

A. U. B.
BULLETIN

Vol. XVI
1972 - 1973

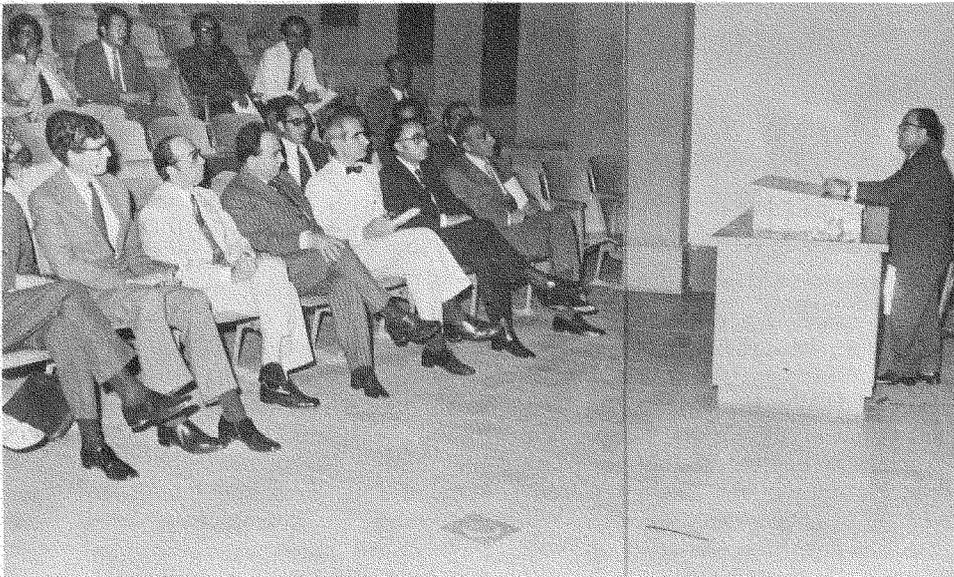
AUB BULLETIN



VOLUME XVI, No. 1

THURSDAY, OCTOBER 5, 1972

Post-Degree Course on Pollution



Minister of Health addressing opening session

A course on air and soil pollution was held at the AUB Faculty of Engineering and Architecture from 11 to 23 September. This 2-week course was officially opened and patronised by the Minister of Public Health, Dr. Nazih Bizri. It was offered in line with the desire of the Faculty of Engineering and Architecture to provide engineers and architects in the Middle East with opportunities for mid-career instruction in subjects of importance to their communities.

This short post-degree course was centered around the effects on ecology of man-made pollution that accompany industrial development, and was divided into two parts. The first part covered the various aspects of solid waste management, with emphasis on proper methods of collection, treatment and disposal of solid waste to avoid pollution of the atmosphere, soil and ground water.

The second part dealt with the classification and methods of measurement of air pollutants, with a specific emphasis on air conservation by means of controlling industrial emissions. The

effects of air pollution on health and urban planning and its interaction with local meteorological conditions were examined.

It was possible for the AUB Faculty of Engineering and Architecture to organize this course, as well as the first one in Water Pollution Control which was offered last year in November, through the help of the British Overseas Development Administration. This second course was again under the leadership of Mr. F.E. Bruce, Reader in Public Health Engineering, Imperial College of Science and Technology, University of London.

Young people are no more charmed by their environment

In his speech at the opening session Dr. Nazih Bizri, Minister of Public Health pointed out that the rising increase in population, the growth of towns, industrialisation and the advance in technology have complicated further the problems of environmental health.

cont'd. on p. 7

AUB Offers Evening Courses

During this semester (October-February) the Division of Extension and Special Programs will be sponsoring a variety of adult education programs, cultural and credit courses, professional studies and conferences. The purpose of these programs which are especially designed to meet the needs of the immediate community is to enable adults to continue their professional development through further study. Many courses are scheduled in the late afternoon and evening hours.

Other special programs are of full-time short duration and serve the needs for advanced and more specialized study for professional people in the Middle East. Some courses have been organized at the request of individuals or groups of potential participants. Prof. Louis P. Cajoleas, Director of the AUB Division of Extension and Special Programs welcomes suggestions for future courses and programs.

The programs being offered are classified as follows:

cont'd. on p. 5

Opening Convocation

The University Convocation, formally opening the academic year 1972 - 1973, will be held at the University Chapel on Monday, October 9, 1972, at 8:00 a.m. No classes will be held at that time.

Members of the Faculty, with the rank of Assistant Professor and above, are invited to join in the Procession, and sit on the platform.

Participants should congregate at the court between College Hall and Jafet Memorial Library, in full academic regalia, not later than 7:45 a.m. on Monday, October 9, 1972.

OUR NOTICE BOARD

Invitations have been received for the following reception and cocktails :

The President and Mrs. Samuel B. Kirkwood are holding a reception for the Faculty at Marquand House on Monday, October 9, 1972, 7 to 9 p.m.

Vice President and Mrs. Dwight C. Monnier are giving cocktails in honor of the visiting physicians of the American College of Cardiology on Wednesday, October 11, 1972, 6:30 — 8:00 p. m.

The Reverend Robert Walker, University Chaplain, announces that Chapel Services for members and friends of the AUB community will resume on Sunday, October 15, and will continue each Sunday during the academic year. President and Mrs. Kirkwood have cordially invited the worshippers to a reception at Marquand House following the opening service.

Chapel worship begins at 9:30 am, concludes at 10:00, and is normally followed by an informal coffee and conversation period at the Faculty Lounge. The service is ecumenical in character and open to all interested in the relation between religion and higher education. Child care for pre-school children is available in the Chaplain's residence just behind the Observatory.

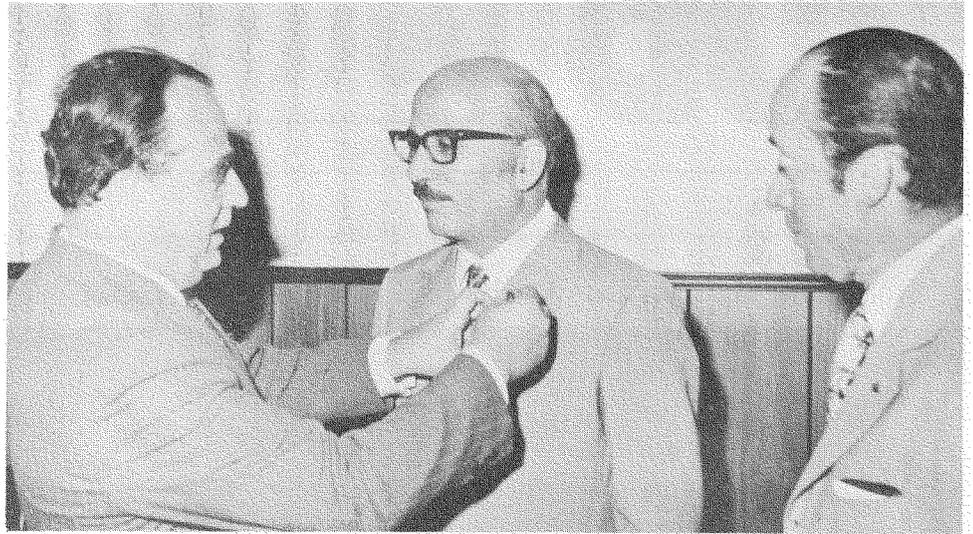
The AUB Alumni Association is presenting a premiere performance of *THE GODFATHER* with Marlon Brando at the Concorde Theater on Monday, October 23, 1972, at 9:30p.m. Tickets are on sale — LL 15 each. Contact Dr. George Iskandar on 342673.

The proceeds of this show will go to the Scholarship Fund of the Medical Alumni Association.

Tuesday, Oct. 10 — 8:30 p. m.
AEOLIAN QUARTET (Britain)
Assembly Hall

A city breakdown of all telephone trunk lines connected to the Hamra exchange occurred on Monday September 11, 1972 for a duration of two minutes (11.43 to 11.45).

Prof. Aftim Acra Decorated



The Minister of Public Health decorating Prof. Acra watched by Dr. Anouti, Director General of Public Health.

Last month, the Minister of Public Health, Dr. Nazih Bizri decorated at his office Prof. Aftim Acra of the AUB School of Public Health with the National Order of the Cedars, Commander rank. In his speech, the Minister of Public Health said the award was conferred by His Excellency the President of the Republic in appreciation of Prof.

Acra's valuable efforts in the field of Public Health in Lebanon. The ceremony held on this occasion was attended by a large number of the Ministry and AUB senior officials.

Prof. Acra has participated in a large number of Arab and international conferences on environmental health and published numerous articles on this subject.

Prof. Dajani Marries Huda Shourbaji



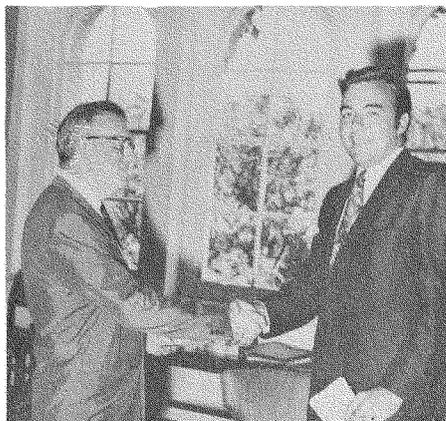
The newly-weds cut the traditional cake.

Prof. Nabil Dajani of Mass Communications and Miss Huda Shourbaji were recently married at a quiet ceremony attended only by close relatives. Prof. and Mrs. Dajani have gone to

South America for their honeymoon.

The BULLETIN which had Prof. Dajani as its editor for several years wishes him and his bride all happiness.

First National City Bank Donates \$ 2,000



Picture shows Mr. Callen presenting FNCB cheque to Dr. Kirkwood.

Mr. M.A. Callen, General Manager of First National City Bank has presented to President Samuel B. Kirkwood a cheque for \$2,000.00 being the Bank's annual contribution to the University. This unrestricted gift is designated for the University's general program.

HIP Regulation Clarified

Several requests from members of the AUB Community have been submitted to the Hospitalization Insurance Plan (HIP) for retroactive coverage of Maternity care. Attention of all HIP members is called to the regulation embodied in the HIP booklet effective November 1971 paragraph 6, page 21 which reads :

"Coverage for any condition arising out of pregnancy shall be available for five days. Such a coverage is applicable only if the husband and wife are members and enrollment for maternity benefits was made within 21 days after marriage. *Enrollment* for maternity not made within 21 days after marriage can be made only in October and to be covered enrollment must be at least 10 months before the normal delivery date."

Applications for maternity coverage which do not conform with the above regulations will not be approved.

AUB Responds to Appeal of Minister of Health

During the 2-day Israeli attack on South Lebanon on Sept. 16-17, AUB quickly responded to the appeal of the Minister of Public Health for blood donations and medical assistance.

In two telegrams to His Excellency the President of the Republic and General I. Ghanem, C. in C. of the Lebanese Army, President Sa-

muel B. Kirkwood said the University community was deeply grieved for the victims and casualties, and offered to place all AUB facilities and particularly the American University Hospital at their disposal.

In his reply, General Ghanem said he was touched by the offer and thanked AUB for its humane feeling and concern .

Improved Pension Benefits

The AUB Office of Benefits Coordinator has informed all Faculty and Staff members who are currently enrolled in the AUB Plan for Pensions and Death Benefits with the American Life Insurance Company or who may be interested in enrolling, re-enrolling or contributing again after having stopped of the following improvements in Pension Benefits with an effective date retroactive to October 1, 1971. These improvements have resulted from negotiations over the past several years with the American Life Insurance Company of Wilmington Delaware.

i. — The amounts of Monthly Income Annuity (to commence at the Normal Retirement Date) purchased each year by employees' contributions have been substantially increased. These increases which apply to every age of purchase are due to a higher interest factor during the deferred period and are therefore much greater at younger purchase ages than at older purchase ages. Some illustrative examples are set out below:

Age of Male Participant at time of purchase	Monthly Income Annuity At Normal Retirement Age per each 100 L Leb. or \$ contributed annually	
	New	Old
30	3.55 L Leb. or \$	1.94 L Leb. or \$
40	2.29	1.44
50	1.48	1.07

ii. — The rate of interest for accumulating Cash Surrender Values of Monthly Income Annuities purchased by participants' contributions (available in lieu of Paid-up Deferred Annuity upon termination of employment prior to retirement) has been improved from 2½% to 4½%. The increased interest rate will apply on and after October 1, 1971 to Cash Values of Monthly Income Annuities purchased prior to October 1, 1971 and to new purchases of Monthly Annuities made on and after October 1, 1971 by participants' contributions.

As can be seen from the following illustrative examples, the higher interest rate produces impressive gains over original Cash Value figures, especially for longer accumulation periods:

Number of Years since Monthly Income Annuity Purchase	Cash Surrender Values of Monthly Income Annuities purchased by each 100 L Leb. or \$ contributed annually	
	New*	Old
10	147.52 L Leb. or \$	122.89 L Leb. or \$
20	229.09	157.31
30	355.77	201.37
40	552.50	257.77

These amounts assume application of the 4½% interest rate throughout the period of accumulation. The Cash Surrender values of Monthly Income Annuities purchased prior to October 1, 1971, on which the original interest rate would apply until such date, will be somewhere in-between the two figures shown.

All figures above are illustrative only. Specific figures for other Annuity Purchase ages and durations of Cash Value accumulations under the higher interest factor can be obtained from the Office of Benefits Coordinator.

Thefts - Burglaries

A screen door was cut open in one of the Faculty apartments last month and a large sum of money and one piece of jewelry were stolen. This was one of a series of thefts and burglaries which took place on campus during the past several weeks. Police are investigating each of the thefts reported on campus. One suspect was picked up by members of the Protection and Safety office and turned over to the police. Breaking and entering of homes of AUB personnel in several areas of the city have also been reported informally to the Protection and Safety office.

Much of the loss which occurs each year can be avoided by heeding the following simple DOs and DON'Ts issued by Vice President Dwight C. Monnier:

Do — lock all screens, doors and windows when leaving your home. Open or unlocked doors and windows are open invitations to thieves.

Do — inform neighbors before going on a vacation.

Do — inform the Protection and Safety office if your home (on campus) will be unoccupied for any length of time.

Do — stop delivery of milk, newspapers, etc., prior to leaving.

Do — report any and all thefts promptly to the Protection and Safety office.

Do — raise a case against a thief when caught. Don't let him go, to prey on someone else.

Don't keep large sums of money or valuable jewelry in your home. Use banks and safe deposit boxes.

Don't leave valuables lying around at home or the office. An untended purse on a desk is an invitation for a sneak thief.

AUBite Inaugurates Festival

Miss Diana Taky Deen, Lecturer in the Department of Fine and Performing Arts, recently returned from Amman where she inaugurated the Festival of Fine Arts by performing a recital at the University of Amman under the patronage and in the presence of H.R.H. Princess Mona-el-Husseini. The Festival was organized by the Royal Fine Arts Society of Jordan.

Miss Taky Deen also appeared for an interview and performed on Jordanian television.

Medical Alumni Association Donates LL 8,000



Left to right Dr. J. Malak, President of the Medical Alumni Association, Dr. Marwan Uwayda, Dr. Suhayl Uthman, Dr. Ceasar Shediak and President Kirkwood.

At the close of the past academic year, President Samuel B. Kirkwood received a delegation from the Medical Alumni Chapter who presented him with a cheque for L.L. 8,000 to be used for scholarship aid to students in the AUB School of Medicine.

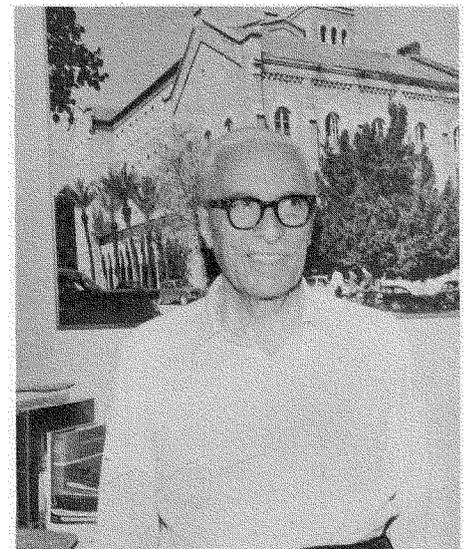
This donation from the AUB Medical Alumni Association was immediately matched by the special grant to the university from the Rockefeller Foundation.

Alumnus Revisits AUB

Oblivious of his 78 years, straight and wiry like a rod, Shakir Hilal walked into the office last June with a springy step and said he wanted to attend the Commencement exercises, 58 years after his own graduation as a Bachelor of Commerce in 1914. Mr. Hilal, whose father was an indigo merchant in Syria, was born in Aleppo, and he and his four brothers all came to study at AUB. He knows five languages apart from Arabic: Italian, German, French, English and some Turkish.

Mr. Hilal noted many changes at AUB but was able to find some familiar faces on campus, notably Professor Emeritus Said Hamadi. Since graduation he has had an active career in Middle East business and finance. He resided for 16 years in Iraq where he began studying Law in his spare time while he held a responsible position at the Ministry of Finance. In 1926 he graduated from the University of Baghdad with an LL.B. (with Honors).

In 1933 he was married to the daughter of Michael Rahmi and went to live for 35 years in Egypt where he had an import/export business.



From 1962 until he retired in 1968 he was manager for Procter and Gamble in Tripoli, Libya. P. & G. has long had a practice of employing AUB graduates, and the parent company in Geneva makes an annual scholarship award to an outstanding AUB student in Business Administration who has special interest in marketing.

Polish University Students Visit Campus



On the steps of College Hall.

Late in August, a group of students representing all university towns in Poland visited the American University of Beirut where a special program was prepared for them by the Office of Information.

The students, led by Leszek Tadeusz Dolata-Jessa, had arrived in Lebanon on a 2-week exchange program visit organized by the Polish Student Association (Z.S.P.).

Winter Hours

Regular Winter Hours began in all University offices on Monday, September 25, 1972.

The following arrangements are now followed in all departments and offices of the University:—

i. Working hours are from 8:00 a.m. to 12:30 p.m. and 2:00 p.m. to 5:30 p.m.

ii. Departments and offices that do not have to open on Saturday will work Monday through Friday and will close on Saturday and Sunday. If necessary, such departments and offices may ask some of their employees and workers to be on duty on Saturday morning with the understanding that those who work on Saturday morning will be entitled to take Monday morning off.

iii. Departments and offices that have to operate on the basis of seven days a week will arrange their schedule in such a way that each person will have two consecutive days off but not all persons will have the same days off.

AUB Offers Evening Courses

cont'd. from p. 1

SPECIAL CERTIFICATE PROGRAMS — ESSENTIALS OF BUSINESS CERTIFICATE PROGRAM, which includes: Accounting, Marketing, Business Economics, Human Resources.

SPECIAL COURSES on The Dynamics of Modern China, The Idea of God in History, Psychology and Modern Living, Mathematics Teaching, University English, Beginning English, Creative Writing, Business English for Correspondence, Colloquial Arabic, The World of Dance, Ten Composers of Our Time, Byzantine Art, Painting, Money and Capital Markets in Lebanon and Developing Countries.

SPECIAL PROGRAMS for Post-Degree Course for Engineers — Air and Soil Pollution, Hospital Administration Certificate Program, Supply and Procurement Management Training Program, Refresher Course in Child Health.

REGULAR UNIVERSITY CREDIT COURSES are open to auditors and part-time students — provided places are available.

A description of the first group appears herebelow. The remaining programs will be described in the coming issues of the BULLETIN this month.

SPECIAL CERTIFICATE

PROGRAMS

Essentials of Business Certificate

An evening program consisting of two courses each semester for four semesters and leading to a certificate.

The program consists of the following courses: Accounting, Marketing, Finance, Quantitative Methods for Decision Making, Human Resources, Business Economics, Business Policy, Business Conditions—a total of eight courses over two years.

The objective of this program is to provide learning opportunities in selected aspects of business with emphasis on modern developments in these related fields.

ACCOUNTING (Prof. Nimr Eid): Objectives of Accounting and its role in a free enterprise and other economic systems, the framework of accounting assumptions and concepts, the consequent basic routines, financial statements, their uses and limitations, introduction to problems of asset valuation and income measurement, the need for quantitative data in business decisions, profit maximization and the business firm, introductory analysis of costs, profit planning, budgeting and cost control.

MARKETING (Prof. Nabil Sha'ath): Survey of the field of marketing including functions, methods,

policies and problems of manufacturers, wholesalers, retailers and other middlemen, with emphasis on changing principles, trends, and policies. Takes a marketing management approach in attacking problems related to product planning, channels of distribution, pricing and promotion. Throughout, emphasis is placed on the Lebanese and Arab environment and on a balance of marketing theory and practical implications. Group and individual projects will be utilized as an integral part of the course.

The following two courses are offered for continuing students, second year:

BUSINESS ECONOMICS (Prof. Yusuf Shibl): Introduction to price formation and market structure including demand analysis, costs and production, pricing policies and practices and profit planning; a brief survey of forecasting techniques. Emphasis will be placed on the use of basic micro economic tools and concepts in business decisions.

HUMAN RESOURCES (Prof. Ziad Taky): Exploration into factors which influence organization structures and effective utilization of human resources within the organization under differing conditions and objectives; survey of selection methods, training, incentives and discipline; performance appraisal and evaluation.

AUB In The Press

THE LOCAL PRESS

The local press and other information media here and abroad continue to cover the various activities of the University.

An-Nahar interviewed Prof. L. Cajoleas on the AUB summer training programs. These programs were also reviewed in the weekly *Monday Morning*.

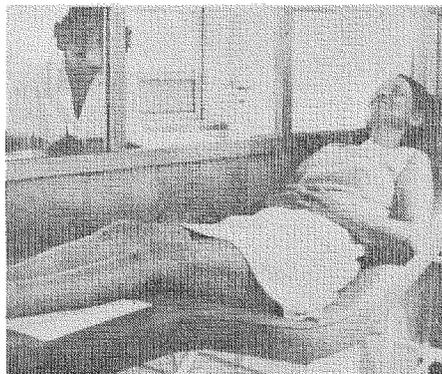
The weekly *M. E. Sketch* published a 2-page article on family health in Lebanon. The article centered mainly on the AUB School of Public Health and on the Mreyjeh Family Health Center.



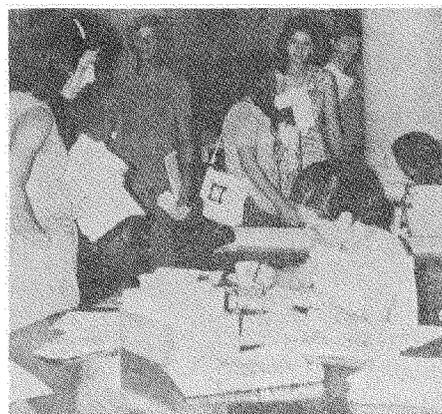
In a TV panel early last month on the subject of the Amin Rihani Centennial, Prof. Suheil Bushrui spoke of Rihani's writings in English with an emphasis on the role of AUB in organizing the centennial and in introducing courses on the works of Lebanese writers in English. Mr. Joseph Bassila, representative of the Cultural Council of Lebanon participated in the panel and was most complimentary of AUB and of its contribution to the cultural life of the country.

In a report on the fluctuating price of the US Dollar, *Ad-Dustoor* said H.E. President Sleiman Franjeh received AUB Professor Emeritus Said Hamadeh to discuss this matter with him.

Both *An-Nahar* and *Al-Anwar*, the leading dailies published long reports, with pictures, on AUB Geology students who were carrying out survey studies in the Qartaba-Tannourin area in the summer.



Reports with pictures appeared in the local press about the American students from AUB who are on the Junior Year Abroad Program and who went last week to the Red Cross to donate blood for the victims of the last Israeli attack on South Lebanon.



The registration of new students at AUB last week was reported with pictures in the major local papers. *An-Nahar* said due to the registration activities two floors of College Hall became a busy workshop where a computer was actively processing the various formalities.

THE U.S. PRESS

The New York Times, which published an obituary of the late Dr. Edgar S. Furniss who retired as provost of Yale University in 1957 after 20 years in the office, mentioned that he had taught economics at the American University of Beirut before joining the Yale Faculty in 1915.

A fragile little lady with bright brown eyes, a warm smile and an enchanting accent came from San Antonio to Austin recently to present her late husband's treasured collection of rare and valuable Arabic books to the University of Texas.

She is Mrs. Marie Basila, widow of the late Norman N. Basila—a long-time San Antonian businessman.

Some of the books date back to Mr. Basila's college days at the University of Beirut in the late 1800's.

Included in the collection are books of poetry, history and fiction. Two additional items of special interest are: — a complete Arabic-English encyclopedia, compiled between the years 1876-1900, and — six volumes of early editions (dating from 1897) of the Arabic periodical *Al Hilal*, which is still in publication.

Active for many years in civic and cultural affairs, Mrs. Basila in 1959 was chosen by the *San Antonio Express* as "Woman of the Year."

(News from AREJAS VITKAUSKAS WORLDWIDE NEWS BUREAU, USA).

... AND THE FOREIGN PRESS

The Sunday Press of Dublin has published a long review of *Sunshine And The Moon's Delight*, the centenary tribute to J.M. Synge, edited by Prof. S.B. Bushrui and published by Colin Smythe, Ltd., and the American University of Beirut.

The publishers say that it originates from the oldest "modern" university in the Arab World, and its editor comes from Jordan and is Chairman of the AUB Department of English.

The British Medical Journal of London, in a report on a recent medical congress in Cyprus, said the President of the Cyprus Branch of the B.M.A., who was in the chair, thanked the American University Hospital of Beirut for providing all three of the speakers at the session—Dr. A. Kurban, Dr. R. Matossian and Dr. F.J.D. Fuleihan (all of AUB).

The Morning Telegraph, of Sheffield, quoted Prof. John Taylor of Sheffield University in a declaration on town planning just before he and his colleagues left to attend the seminar on the Structure of the Planning Process at AUB, "the leading university in that part of the Middle East."

Post-Degree Course On Pollution

cont'd. from p. 1

The main problem, Dr. Bizri said, is to provide adequate supplies of potable water which is not threatened by pollution.

The Minister of Public Health went on to speak of pollution resulting from the disposal of waste and refuse; food pollution through insects and rodents which are the main cause of epidemics, and through insecticides and chemicals which lead to slow poisoning; pollution of sea water from sewers, garbage and oil tankers; air pollution by carbon dioxide from belching chimney stacks; and pollution through radiation.

The Minister of Public Health remarked that pollution has affected the young people who are no more charmed by their environment, and who try to get away from it and appear to be rebelling, complaining and probably sick.

The minister concluded by saying:

I have mentioned to you, gentlemen, some of the problems which are closely related to public health. I have every hope that you will find a solution to all these problems, or some of them, so that all of us can be of service to this homeland and to man, wherever man is. I wish you and the University all success.

Elaboration of conditions injurious to man's health and endurance

The Minister of Public Health was followed by Prof. R.S. Ghosn, Dean of the AUB Faculty of Engineering and Architecture who said that ever since the stable relation between man and his environment started to be endangered as a result of industrial development, there has never been a more compelling need for interdisciplinary studies and activities to combat pollution which is absorbing the attention of governments, chemists, chemical engineers, physicists, biologists, scientists and public health and sanitary engineers.

Dean Ghosn described the patronisation of the course by the Minister of Public Health as an official support and a mark of faith in this interdisciplinary venture as well as a testimony of the consideration the Government of Lebanon has always held for AUB.

Dean Ghosn went on to say:

In the face of an increasing rate of spectacular scientific and

technological achievements which should normally yield a better quality of human life, man is confronted to-day with a staggering rate of the multiplicity of his species, the destruction of other living species, the depletion of his world's natural resources, the deterioration of his physical environment and the elaboration of conditions injurious to his health and endurance.

Accelerating Pollution

Engaged in the frantic momentum of industrialization, the presently developed countries have reached a level of "panic" with regard to the deterioration of their environment and the preservation of the continuity and the quality of human life within their areas. While every underdeveloped nation aspires for development, hence for industrialization, and as the world is tending to



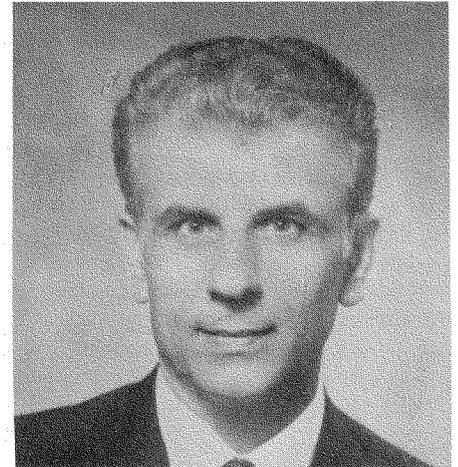
Mr. F.E. Bruce, leader of the course

be more and more unified, the rate of development is accelerating, causing an acceleration in the rate of pollution in those countries which were previously spared the spoliation.

In this part of the world we are experiencing today the phenomena which started to affect the environmental conditions of the western world more than a hundred years ago. It will not be long before we shall find ourselves confronted with the same problems of air and soil pollution which are plaguing the developed world.

As development progresses, we must seek to learn from the experience of those who are far ahead of us in industrial development and are now to pay exorbitantly for the correction of the ills resulting from this material progress.

Prof. Ghattas is Back From Sabbatical



Prof. Emile Ghattas of the Department of Business Administration has returned from his sabbatical leave at Columbia University where his services included teaching a course in Operations Research in the School of Business M.S. program and organizing, planning and doing research for the Paul Garrett Chair, a newly endowed chair in Business Policy and Public Responsibility. The major part of his time was spent in private research and studies in advanced topics in Operations Research, Systems Simulation techniques and languages, computer applications, and related subjects. He attended for this purpose a number of seminars conducted by prominent specialists in the field.

On his way back, Prof. Ghattas made a one-month stop in Brazil where, apart from visiting relatives and friends, he conferred with the AUB Alumni Association in Sao Paulo and delivered to them a special message from President Kirkwood. He explained to the Alumni some of the conditions at AUB and discussed with them the possibility of increasing their contributions to the university. He visited the University of Sao Paulo, the University of Campinas, and the Sao Paulo School of Business Administration of the Getulio Vargas Foundation where modern quantitative approach and utilization of computer technology were examined in detail. The vice president in charge of external programs at the University of Sao Paulo showed interest in cooperating with AUB in the area of exchange of faculty, students and research, and made a formal proposal in this respect to Prof. Ghattas.

New Students Welcomed

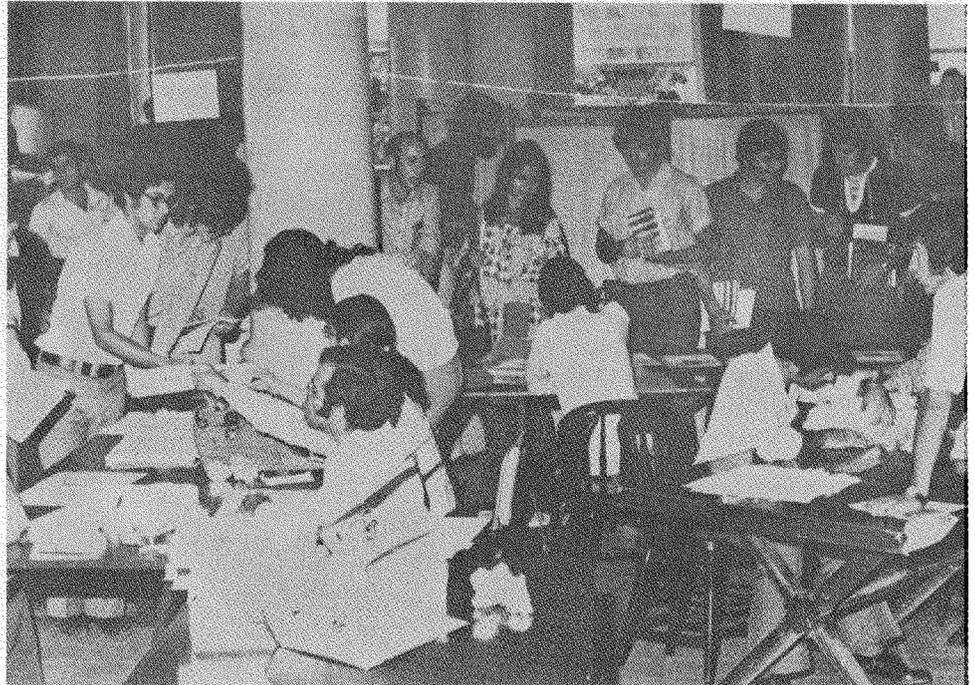
The start of the new academic year at AUB is in full swing and the campus is again astir with activity after the relative lull of the summer.

An information kiosk was this week installed opposite West Hall by the New Students Program (N.S.P.) Cabinet which is in charge of the program for new students. The N.S.P. Cabinet was also distributing a colorful booklet (for LL. 1) containing various information about the University regulations and programs, key telephone numbers, employment opportunities for students who wish to make extra money in their spare time, cinema programs and prices, many advertisements and a calendar of trips and events.

The following address by President Samuel B. Kirkwood appears in the booklet :

You are about to begin a new phase in your life... a very exciting one indeed. The gates of a new world are now open to you.

A university is a place of thought and of freedom to think, a place where conflicting ideas can live side by side where they can be scientifically tested and exchanged with mutual respect and tolerance. This will be your world for the coming few years. Part of your education will be to learn to live with your community. You are entitled to your beliefs and ideologies, we respect them; you should similarly respect those of your colleagues. It is not uncommon these days to get involved in political issues. Such involvement should not, however, interfere with the student's original educational goals and his well-



Registration Process

being. I hope that very soon you will discover that a university can also provide a forum for a variety of cultural, social and artistic activities.

There is in a university an extraordinary concentration of talent, competence and knowledge. I hope you will make every effort to take advantage of the opportunities offered to you. I wish you every success and assure you of our genuine desire to assist you in any way we can.

Mohammad Dajani - Dawudi, the president of the Student Council also addresses the new students. He refers to the last academic year as a crisis year and says the re-instatement of the Student Council has helped re-establish communication with legitimate student representatives on the understanding that student participation in the University's educational and administrative affairs should become part of the student's education.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....
.....

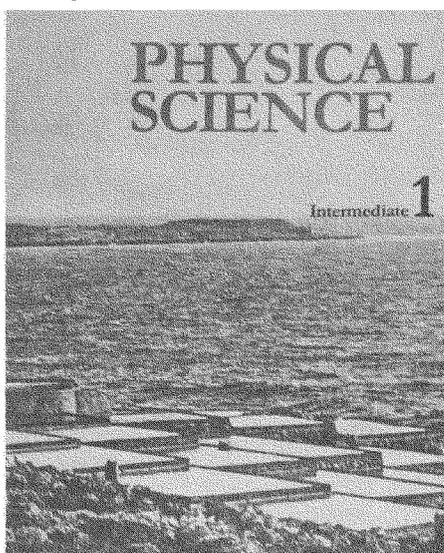
AUB BULLETIN



VOLUME XVI, No. 2

THURSDAY, OCTOBER 12, 1972

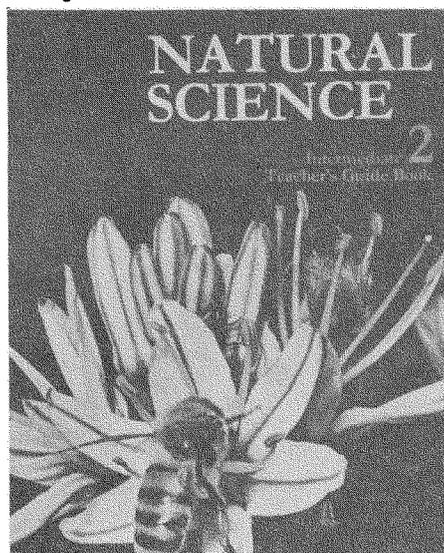
Science Textbooks By AUB and Ministry of Education



A number of science textbooks in both English and French for Intermediate I and II classes were recently published by the Ministry of National Education. These books are the product of the AUB Science Instructional Materials Project (SIMP) which is a joint project between the Ministry of National Education (Directorate-General of National Education and Directorate-General of Vocational and Technical Education) and the AUB Science and Mathematics Education Center (SMEC).

The purpose of this joint project is to prepare, produce and distribute instructional materials for the teaching of science in elementary and intermediate classes.

SMEC of AUB has undertaken the task of preparing manuscripts of science textbooks and teachers' manuals for each of the elementary and intermediate classes, in addition to proof-reading, layout and editing of the books. AUB has promised that it will not seek commercial profit for its participation in this project. All copyright and commercial rights of the manuscripts and designs are reserved for the Ministry of National Education.



The first phase of the project started in December 1971. It included the production of science textbooks for Intermediate I and II and a Teachers' Manual for Intermediate II. All three books are produced in English and French and are currently being used in a Teachers' Training program sponsored by the Ministry of National Education. Government schools in Lebanon will be using these books, and several private schools have already expressed interest in using them.

The writers and editors of the various books are Professors V. Billeh, W. Haddad, Y. Namek and G. Za'rour of SMEC. Prof. W. Hayes of the AUB Biology Department and several teachers from government and private schools have collaborated in the writing of the manuscripts.

The remaining phases of the project include the writing of science textbooks and teachers' manuals for Intermediate III and IV as well as all five elementary classes.

Prof. George I. Za'rour, Director of the Science and Mathematics Education

(cont'd. on page 7)

107th University Convocation

The University Convocation, the traditional ceremony which formally opened the new academic year was held at the University Chapel on Monday, October 9, at 8:00 a.m.

Members of the Faculty congregated at the court between College Hall and Jafet Memorial Library before proceeding in full academic regalia to the Chapel where every available space was occupied.

In his Convocation address at the opening of the 107th academic year of the American University of Beirut, President Samuel B. Kirkwood pointed out that the events of the intervening months have not altered the harsh circumstances in which the Commencement exercises were held last year adding:

«We again grieve for innocent people killed and wounded in their own homes and for the living homeless.»

Speaking of the Future which was the theme of his address, President Kirkwood said:

«It is the tomorrows that concern me this morning -- tomorrow, the day after tomorrow, and all the tomorrows that remain for us.»

The President went on to stress:

«If I speak of your future this morning I am speaking of the future of this University, of your countries and of your people. It is the individual himself who must grow strong before he and others like him can build a community able to reach toward the ideal.»

(For the Convocation Address, see pages 4-5)

OUR NOTICE BOARD

At the invitation of Mrs. Samuel B. Kirkwood, the first general meeting of the AUH Women's Auxiliary will be held in the gardens of Marquand House on Monday, October 16, at 3:15 p.m.

This business meeting will enable old and new members to get acquainted. It will be followed by a Fashion Show of the new season's clothes by:

Faubourg St. Honoré — Evening wear.

Dahlia — Day wear.

Week-End — Sports and Après-ski.

Everyone and in particular new faculty members are welcome.

Mrs. Samuel B. Kirkwood and the Women's Association of the American University of Beirut cordially invite all old members to the opening tea honoring new comers to the University on Thursday, October 19, 1972 at 3:00 p.m. Marquand House, AUB Campus.

The Dean of the Faculty of Arts and Sciences and Mrs. Edwin Terry Prothro are giving cocktails in honor of new and returning Faculty on Saturday, October 14, from 7 p.m. Apartment 42, Zahra Building, Ramlet-el-Beida.

The AUB Alumni Association is presenting a première performance of **THE GODFATHER** with Marlon Brando at the Concorde Theater on Monday, October 23, 1972, at 9:30 p.m. Tickets are on sale — LL 15 each. Contact Dr. George Iskandar on 342673.

The proceeds of this show will go to the Scholarship Fund of the Medical Alumni Association.

The Department of Fine and Performing Arts invites all those interested in joining a chamber music program to contact the secretary of the department, Mrs. Isabelle Wouhaybi. (Ext. 2527)

MONDAY, OCT. 23

— S. W. Germany — Pforzheim Chamber Orchestra, Assembly Hall 8:30 p.m.

Wisconsin Study Group Visits AUB



The Wisconsin study group in front of College Hall.

The Wisconsin study group of eleven American businessmen, engineers and professors were in Lebanon last month and visited AUB where they were received by Vice-President George Hakim who explained to them the role of AUB and its programs and facilities. They also toured the Campus and were briefed on the history of the buildings and grounds.

Aeolian Quartet Plays At AUB



The Aeolian String Quartet, acclaimed as one of the finest string quartets ever formed in Britain, gave a splendid performance at the Assembly Hall on Tuesday, October 10.

The Quartet, consisting of Emanuel Hurwitz (violin), Raymond Keenlyside (violin), Margaret Major (viola) and Derek Simpson (cello), was formed in the 1960's and has given concerts throughout Europe as well as in the US, Canada, Mexico and Australia. They have played at all the major British Festivals, including Edinburgh this summer, and have also made innumerable broadcasts for the BBC. Future plans include the recording of the Mozart String Quintets and the complete Haydn String Quartets.

Critics have praised the Quartet's remarkable qualities: "It is rare to find such perfect matching of style and uniformity of tone"; "The closeness of this partnership allowed a special intimacy"; "The individuality of each player is submerged in the greater identity of the group." Others have referred to spell-binding performances, brilliant style and to the players' unflinching concentration—which makes them seem to play even through the pauses.

The program for the performance at the Assembly Hall consisted of quartets by Haydn, Benjamin Britten and Ravel. The concert was sponsored by the British Council and the Department of Fine and Performing Arts at AUB.

Special Schedule During Ramadan

The University has decided that Moslems who are fasting during the month of Ramadan will be assigned a special schedule to enable them to go to their homes in time for their meals. Moslem employees and workers will be required to continue working the same number of hours but the scheduling of the hours will be changed by the Departments for those who are fasting.

Organ Recital

The Department of Fine and
Performing Arts of
The American University of
Beirut

presents

The First Organ Recital

by

Salvador Arnita

(University Organist)

Sunday, Oct. 15 at 8:30 p.m.

sharp

Assembly Hall

The performance will be broadcast by the Lebanese Broadcasting System. The program includes works by Bach, Buxtehude, Purcell, Handel, Frank, Vierne, Gigout and Arnita.

Invitation tickets are available at West Hall Office on Thursday, Oct. 12 for the community, faculty and staff, and on Friday, Oct. 13 for the student body.

Xmas Musicale

All those who are interested in joining the AUB Choir are cordially invited to be present in West Hall auditorium on Monday, Oct. 16th at 6:30 p.m. to discuss the Xmas Musicale to be given on Sunday, Dec. 17.

Will all those who are interested please make a point of attending this meeting which is of primary importance.

The Holy Month of Ramadan



Washington Snowstorm Brings New Beauty to the Washington Islamic Center. The Minaret rises 160 feet above Massachusetts Avenue.

The start of the holy month of Ramadan fell on Sunday, October 8 this year, and Moslems in Lebanon and all over the world began their fasting. Dr. Syed Husain Jafri, Sheikh Zayid Bin Sultan Al-Nahyyan Professor of Islamic Studies has written the following on this occasion:

The Holy Month of Ramadan

During the 29 or 30 days of the 9th month of the Lunar Islamic Calendar called Ramadan the Muslims are obligatorily required to observe fasting from dawn to sunset. The verse of the Quran which prescribes fasting reads:

"O you who believe! Fasting has been prescribed for you as it was prescribed for those who were before you, so that you may ward off evil."

The harmonious development of the human personality depends upon the harmonious working of the human self, which is always in danger of being corrupted or destroyed by the widespread inclination towards self-indulgence. To steer clear of the temptations and pitfalls of human life, man is constantly in need of the cultivation of self-control. It was

for this basic philosophy that the principle of self-denial by fasting is prescribed in Islam as it was done in other religions which preceded it. In Islam the fast consists of abstaining for one month every year from dawn to sunset from food and drink, sexual pleasure and also from every sort of evil, immodest talk and falsehood. Thus when a person practices self-control even with regard to food, drink and lawful sexual act, he (should) automatically cultivate the power of resisting evil temptations in thought and deed.

Explaining the institution of fasting the Prophet once said: "Fasting is an armour which protects oneself (from all sorts of evil); so let him not who fasts utter immodest speech nor let him act in an ignorant manner . . ."

Besides its spiritual values fasting makes a man realise what pangs of hunger mean to those who have to live without food at times. It creates a feeling of sympathy for those who face starvation due to poverty. It, as a natural corollary, encourages charity as it generates sympathy for those who are poor and without food, and therefore charity in the month of Ramadan is especially emphasized.

President Kirkwood's Convocation Address

I welcome you all to the opening of the one hundred and seventh academic year at the American University of Beirut.

We held our Commencement last year in a time of harsh circumstances. The events of the intervening months unfortunately have not altered these circumstances. We again grieve for innocent people killed and wounded in their own homes and for the living homeless.

We continue to live in troubled times.

It is the tomorrows that concern me this morning — tomorrow, the day after tomorrow, and all the tomorrows that remain for us. Most of you have lived already perhaps a quarter of your lives. Each succeeding tomorrow, therefore, gains in importance. In the inevitable sequence of tomorrow becoming today and then yesterday, the days ahead are the days of opportunity. These are the days in which the ideal can be realized.

THE FUTURE

Let me say immediately that I have

countries and of your people. It is the individual himself who must grow strong before he and others like him can build a community able to reach toward the ideal.

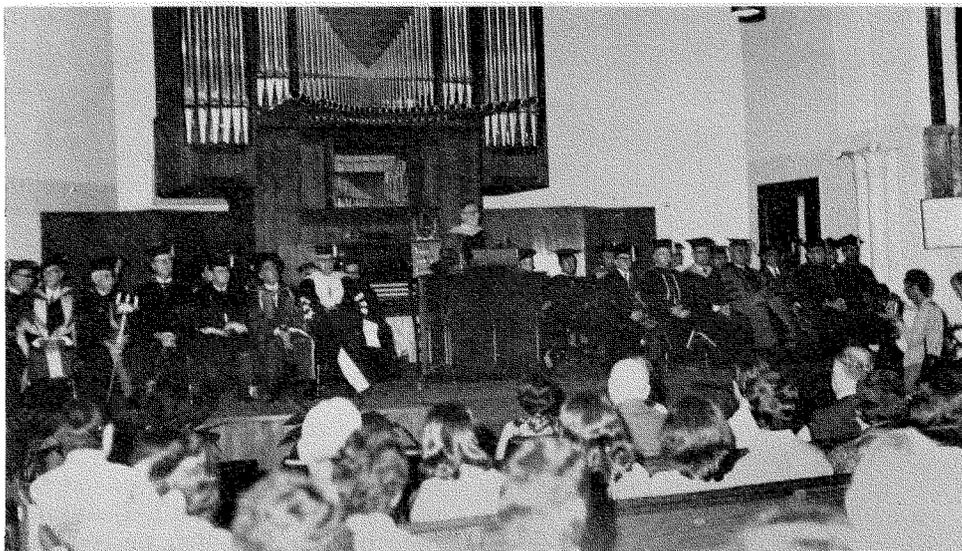
THE WORK AHEAD

Is this future so cloudy that nothing can be seen ahead? By no means. I see at least four clear steps you can take in preparing yourselves for the work ahead.

First. You must understand the past and the present, for through them you enter the future. Everything that has happened, every fact that has been unearthed has some bearing on you and your future. You cannot deprive yourselves of these tools. The forces of the past extend through the present into the future whether you will it or not, but you can learn to judge them and prepare to use what is good and discard what is harmful. You are in a world dominated by a technology which will continue and grow. You are living in a world becoming equally aware of the erosions of human *lives*, of «man's inhumanity to man . . .» and of the urgent need of the future to set this right. You can meet all these problems only if you are willing to train yourselves, objectively, to collect all the data, sift and evaluate them and use them to set your goals. I have used the word «objectively,» and it is the key word. Vision and faith lead to the ideal, but the steps along the way are governed by the hard facts of reality. Your studies in the sciences, sociologies and humanities will give you these facts. Universities will remain among the great human institutions.

COMMUNITY, RESPONSIBILITY AND COMMITMENT

Second. You must clarify your ideals and make them concrete, systematic and feasible. These come, as they should, from the depths of one's culture. Yours is a worthy culture that the future must have, for its ancient and honored concepts are universal. Much will depend upon individual leadership; much will depend upon intelligent support of the leadership. The power for good or for ill will be considerable in the leader. But the basic



President Kirkwood and Faculty Members at Convocation.

You who are here this morning are the heirs to a great civilization. Yet you belong to a generation that finds itself frustrated and dissatisfied with what you see in the world about you. It is far from your ideal, as you have dreamed it. But this is your time, and it is your task now to turn reality into ideal.

We of another generation share your dreams, for we have dreamed our own dreams and still have our hopes.

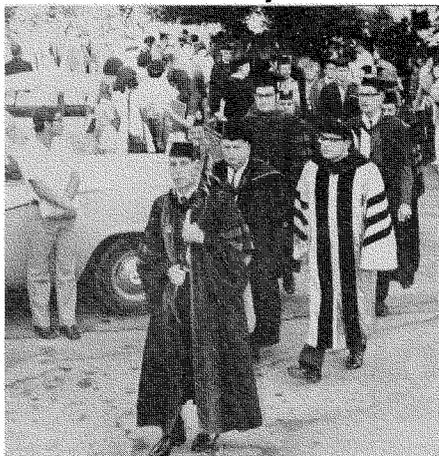
On this ninth of October, 1972, we look ahead, individually and together, with uncertainty. It is possible that all our plans could at any time be destroyed and the attainment of our hopes postponed.

Yet, this is not cause for despair. I remain confident. I am confident that we do have an inherent ability to set purposes that will remain beyond temporary disruption, to make plans that cannot be shattered, and to seek channels from which we cannot be diverted.

no gift of prophecy. I do not know what will happen tomorrow, or thereafter. Nor is it really necessary that I know. The future I am concerned with is the one over which we have control. This is the future each one holds in his own hands for himself in his own life. Or, more exactly the kind of plans he makes, the kind of action he takes to fulfill them, and how he learns from his own experience. It is, in fact, the way each prepares himself for whatever the future may bring. Is this too abstract a concept? I think not. It is an outline for very practical personal achievement. And since an institution — or a country — is essentially what its individual members make it, each one of you is a person of the utmost importance. You have no time — no right — to waste your talents.

Let me repeat that. If I speak of your future this morning I am speaking of the future of this University, of your

At Opening Of 107th. Academic Year



Faculty in Academic Regalia proceed to Assembly Hall.

strength of the ideal lies in its acceptance by the community, in a sense of all-pervading responsibility, not to be attained practically except through the effort of planning, the harness of self-discipline and the drive of hard work. Paradoxically, this feeling of community responsibility will develop best where there is commitment by each of the individuals in the community, extending through all of its social and economic levels. The individual cannot go his own way, yet he finds his own freedom in the self-discipline he exercises as a community member.

REALIZATION, VISION AND PERCEPTION

Third. You must equip yourselves during your university days with a specialty related to the realization of your ideals. The world will be a practical world, and you will be called upon to contribute your share. Your choice is wide, for all fields of study are relevant, and all are urgently needed. The philosopher and the physician tend the minds and bodies of men; farmers and the godly sustain their nourishment and souls; the artist catches the beauty of the world; and the engineers, sociologists, governors and a myriad of others support our daily living. It is the degree of excellence of your achievement that counts, and counts heavily. The age of unprepared performance is over. Nevertheless, despite all this necessary specialization, you must develop breadth of vision and depth of perception, for these are qualities that will keep you balanced in the increasing complexities of the future.

DEDICATION

Finally. You must work. One famous queen said, «Now, here, you see, it takes all the running you can do, to keep in the same place. If you want to get somewhere else, you must run at least twice as fast as that!» Though these years at the University may be the season for your training you must work to become men «...For All Seasons.» There will be no chance to catch up in the future. One great man said, at the end of his life, «So little done, so much to do.» Work is unique in that it becomes pleasure when it is purposefully directed. When work is done with a feeling of responsibility for others, it becomes dedication. The future, I believe, will need a renewed sense of a moral dedication.

So we look to the future.

Great futures demand much of individuals, communities, universities and nations. Our future cries out for:

for ... Men and women of intelligence and understanding, of vision, of purpose, serious in responsibility, educated, trained, with physical and moral stamina, tolerant, persistent, patient, responsive to the fun of being alive, sensitive to the troubles of living, men and women with a deep sense of justice.

for ... Universities of opportunity, of service, havens of thought and scholarship, bound by the concept of intellectual freedom, freed by the exercise of self-restraint.

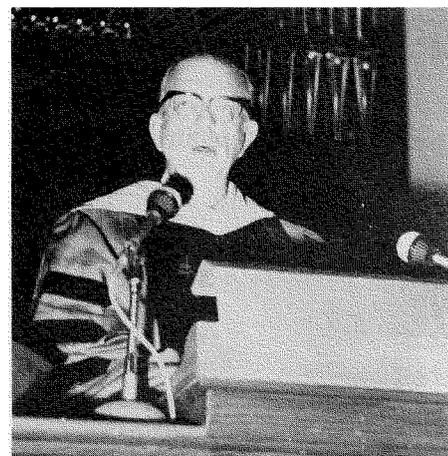
for ... Nations of dignity, of honesty, proud in their own heritage, generous in what they bring of themselves to the rest of the world.

THE WORK IS YOURS

You are given here at the University the opportunity to gain the kind of learning and to develop the kind of character this future requires.

For you as individuals, your preparation rests very much upon your own shoulders. What this University can provide you is an intellectual, a social and a physical environment in which you can work. But the work is yours.

Your learning will consist in part only of facts, much more in learning to think objectively and to live with other people. Your motivations must be



President Kirkwood delivering Convocation address.

your own. Your dedication is to yourself and all those whose lives you touch.

I cannot say too strongly how great a responsibility lies now in your hands. I implore you — no, I charge you — not to waste your time, not to mislead or be misled into destructive diversions.

We, as a University, are given the opportunity to build an institution that will play a responsible and responsive role in the same future.

OUR PURPOSE

Our purpose is clear, I believe:

... With all the power we can summon we must guard this University's right to search for basic truths.

... With all the ability we can command, we must teach these truths.

... With all the vigor we can muster, we must offer our services to those about us whom we can help.

... With all the zeal of which we are capable, we must accept our profession as a hallowed calling to which we are fully dedicated.

This is our task. The image of the University in the future will be our image. God will that it be one of service, of intellectual integrity and personal morality, of tolerance, and of allegiance to the truth.

Circumstances are still harsh.

But there is a fresh new year ahead of us.

It begins today.

AUB In The Press

THE LOCAL PRESS

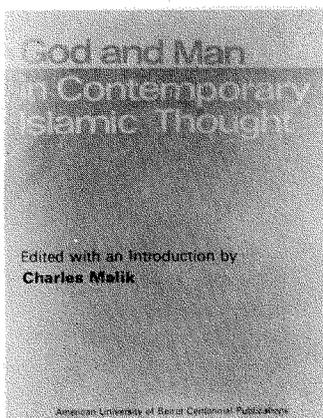
The various activities of the University are regularly covered by the press and other information media here and abroad.

In an article on the efforts exerted to introduce tourists to the past glory of Tyre, *L'Orient-Le Jour* mentioned that Mrs. Samuel B. Kirkwood visited Tyre with Mrs. Chalabi, President of the Tyre International Festival to advise on what type of trees could be planted in the old town to make it colorful.

Following the AUB Farm Exhibition in August, *An-Nahar* interviewed the four women students of the Faculty of Agricultural Sciences who were among the winners and who explained their choice of this field of study.

An-Nahar also interviewed two-third-year nursing students (Nayla Al-Ayid and Ferial Salloom) who worked at the Asfourieh Mental Hospital to complete a program designed by the AUB School of Nursing and the Asfourieh Hospital.

The supplement of *L'Orient-Le Jour* devoted three pages, with pictures, to an interview with Prof. John Carswell of AUB.



Al-Anwar devoted its literary page to review the AUB Centennial publication "God and Man in Contemporary Islamic Thought" — edited by Dr. Charles Malik.

Papers reported that Miss Helen Razouk represented AUB at a UN sponsored conference on the problems of youth and population which was held in Torino, Italy, in July.

In its supplement, *An-Nahar* reproduced part of a thesis written by Mr. Nazih Soubra of Grenoble University in France. Under the heading "Role of Manpower in Agricultural Development," Mr. Soubra refers favourably to the AUB Faculty of Agricultural Sciences. He mentions that this faculty is well equipped with laboratories and a large number of highly qualified professors.



Sana Srouji, elected Miss N.S.P. during the visit to the Farm, seen with her two maids of honor, Suad Abdel Razzak and Zeina Tarsisy.

The daily *Al-Anwar* and the weekly *Monday Morning* devoted full pages with tens of pictures to the activities of the New Students Program last week, and in particular the trips to the AUB Farm in the Bekaa and the Jeita Grotto.

THE US PRESS

In a very long review headed "Iodine-Sensitized Photoformation of Singlet Oxygen," the *Journal of the American Chemical Society* of Washington, D.C. acknowledges that this work, by John Olmsted III and Gopinathar Karal, is a contribution from the AUB Chemistry Department and was supported by a research grant from the Arts and Sciences Research Committee of AUB and constituted a portion of the master's thesis of G. Karal.

A news item in the *Post-Standard* of Syracuse, N.Y. which mentions that Sister Edward Daniel Sheehan, academic dean at Maria Regina College will be included in the 1972 national awards volume of "Outstanding Educators of America," adds that on a Fulbright grant in 1964, she studied political science at the American University of Beirut.

Reception For New Students



New students gave a Latin American dance in the garden of Marquand House.

President Kirkwood gave a big reception last Friday evening in the garden of Marquand House for new students.

The President and Mrs. Kirkwood together with Dean Robert Najemy and Mohammad Dajani, President of the Student Council stood at the entrance of the garden and received the students.

Usama Na'man welcomed the students in the name of the New Students Program (N.S.P.) Cabinet which has been busily assisting new students with numerous formalities and introducing them to the large community of the American University of Beirut. Dean Najemy and the President also addressed the new students, some of whom came to the reception wearing their national costumes.

Asst. Director of Physical Plant

Mr. Roger Chehire has been appointed Assistant Director of the Physical Plant as of August 30, 1972. This newly established post replaces that of Management Engineer which has been eliminated.

In making this announcement Mr. Aziz K. Nahhas, Director of the Physical Plant quotes the following passage from Vice President Monnier's correspondence on the subject:

"This action should in no way detract from the excellent work being done by others of your staff, and in particular your division chiefs who are of the same level as was Mr. Chehire. Their excellent work will continue to be recognized and appreciated. I am sure we can count on each of them to support Mr. Chehire in his new and challenging position."

Cholera Prevention

Dr. Nabil T. Nassar, Director of the University Health Service has issued the following:

In view of recent reports from Syria concerning the occurrence of cases of cholera at their borders with Iraq, I find it necessary to remind you of the precautions to be observed at this time.

To start with, no cases of cholera have appeared in Lebanon. The Lebanese Ministry of Health has not recommended mass immunization, but is taking strict precautionary measures at the portals of entry to the country. We do not recommend immunization at present for persons not travelling to neighbouring countries. The vaccine is available at the University Health Service and the Hospital Laboratory for those who wish it and is strongly recommended for persons planning on travelling.

Cholera vaccine provides only partial protection against infection. Cholera is an intestinal disease and the route of infection is through the mouth. Proper personal hygiene is the most important factor in prevention.

Water to be used for drinking or preparation of ice (with the exception of water at AUB campus) must be boiled or treated with antiseptics prior to its use. Vegetables and fruits that are to be consumed raw must also be treated with antiseptics.

Many commercial products are available on the market—«Chlorox», «Cetavlon» and «Milton» are few examples and can be used as directed on the bottles. Five drops of «Milton» to each gallon of drinking water can be used as a general rule.

James A. Patch Dies

We learn with deep regret that James A. Patch died on August 23 in Massachusetts at the age of 96 years.

The late James Patch was a Chemistry professor at AUB and a great friend of the Dodges.

Saada Shammas Died

It was with sorrow and regret that the School of Nursing announced the decease of Saada Shammas on September 14 in Beirut.

The Director of the School said by her fine spirit and sense of responsibility the late Saada dignified her work in Dale Hall where she was employed for the past eighteen years.

Meeting With Austrian Physicians Held At Medical Center



Director of the Orient Institute of Vienna addressing meeting.

The AUB Medical Alumni Association and the Faculty of Medicine at the St. Joseph University jointly arranged a medical meeting late last month with a group of eminent Austrian physicians and professors. The meeting was held at the AUB Medical Center at the request of the Austrian group.

The morning session consisted of a word of welcome by the Minister of Public Health, Dr. Nazih Bizri, and of addresses by the President of the French Faculty Alumni Association and the President of the AUB Medical Alumni Association, Dr. John A. Malak. The last to speak at the opening ceremony was Prof. Karl Fellingner, head of the visiting Austrian group.

The rest of the morning was devoted to talks on the following medical topics:

i. — Computers and medicine—by Prof. Fellingner.

ii. — Cutaneous Leishmaniasis (the Aleppo button)—by Dr. Amal Kurban of AUB.

iii. — Erythrokinetics in Thalassemia—by Dr. Munib Shahid of AUB.

iv. — Pulmonary function in Schistosomiasis—by Dr. Farid Fuleihan of AUB.

During the afternoon, the group visited the AUB Medical Center and the Government Central Laboratory. The group's trip was planned and organized by the Orient Institute of Vienna.

In his address the president of the AUB Medical Alumni Association, Dr. Malak said it was indeed an honor and a great pleasure to host the eminent Austrian professors and physicians. He remarked that Lebanon has always been and will continue to be a land of scientific meetings and congresses.

Science Textbooks by AUB and Ministry of Education

(cont'd. from page 1)

Center at AUB has explained that it all started with SMEC's participation in the writing of the new Intermediate science curriculum which was adopted about two years ago, and which emphasizes activities and laboratory work. It was felt that textbooks were needed to reflect the spirit of the new curriculum. Dr. Za'rour who returned recently from a visit to UK said the Nuffield Foundation of Britain praised the above books for their contents, layout and editing. He pointed out that these books are equal in standard to books used in European and US schools.

In forewords to Physical Science I

and Natural Science II the authors point out that these textbooks are based on the new Lebanese curriculum for the intermediate classes. The approach emphasizes student activity in line with the spirit of the official program which explicitly states that "at least half of the time should be devoted to observations and practical experiences." The purpose behind these activities is to allow the student to discover and think about his environment for himself instead of presenting him with facts to memorize.

This series of textbooks marks a turning point in science education in the intermediate cycle in Lebanon.

Mrs. Public Relations In US Visits AUB



l. to r. Mr. J. Sawaya, Mrs. Griswold, President Kirkwood, Mr. Mawlawi, Dr. Iskander, Mr. Sullivan and Vice-President Hakim and Provost Thabet with their back to the camera.

At the invitation of the AUB Office of Information, Mrs. Denny Griswold, the famous Mrs. Public Relations of the US, visited the University last week and walked around its spacious and pleasant campus. During her brief visit, Mrs. Griswold, who was accompanied by her husband, Mr. J. Langdon Sullivan whose field is investment management, showed a particularly penetrating interest in the University's activities, and in its growth and development.

The Office of Information gave a luncheon in their honor at the Alumni Club attended by President Samuel B. Kirkwood, Vice President George Hakim, Provost Samir Thabet and several journalists and public relations officials.

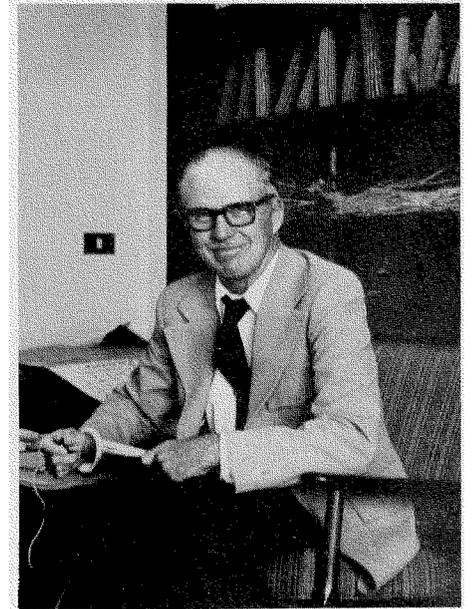
Mrs. Griswold, who publishes the Public Relations News which is read

in 77 different countries outside the US, had come to speak at the Lebanese Public Relations Association's international convention on "The Role of Public Relations in Developing Nations" which was held at Al-Bustan Hotel in Beit Mery, near Beirut.

Mrs. Griswold, who was the first to speak at the convention which was attended by around 100 PR professionals and observers from 14 countries in America, Europe, Asia and Africa, referred to the Lebanon as the birthplace of public relations, adding:

It was here that the alphabet was invented. If there were no alphabet there would be no written word, and if there were no written word, there would be limited communication, and if there were no communication there would be little public relations.

Dr. Norman E. Borlaug, Nobel Prize Winner, Lectures at AUB



The SIGMA XI CLUB OF AUB and the Agriculture Division of Ford Foundation (Beirut) are jointly sponsoring a lecture on

"FOOD and POPULATION"

by

Dr. Norman E. Borlaug, Nobel Peace Prize Winner for 1971 on Tuesday, Oct. 17, at 5:30 p.m. Assembly Hall

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To:

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 3

THURSDAY, OCTOBER 19, 1972

Symposium On Child Health At Medical Center



Dr. Georges Sicault, UNICEF Consultant addressing symposium, with Mr. R. Koleilat, UNICEF Representative and Deputy Regional Director facing camera.

A post-graduate medical symposium, the 24th. in a series, started this week at the AUB Medical Center.

Several pediatricians, officers of Government Health Departments and general practitioners from various Arab and Middle Eastern countries are participating in this 12-day (October 16-27) course in child health which is jointly sponsored by AUB, the World Health Organisation (WHO) and UNICEF. In addition to 33 professors of the AUB School of Medicine, five guest speakers are contributing to this course among them Dr. Georges Sicault, UNICEF Consultant, European Office in Paris who spoke on Monday of the "Health needs of the child in a changing society.

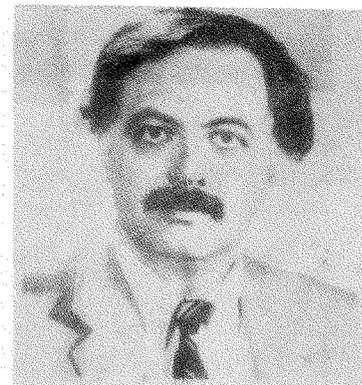
This third annual refresher course is part of a Regional Training Program in Child Health and Midwifery. It is coordinated by the Department of Community Health Practice of the AUB School of Public Health in collaboration with the departments of Pediatrics and Obstetrics-Gynecology of the AUB School of Medicine.

In his welcoming speech, Dr. Craig S. Lichtenwalner, Dean of the AUB Faculty of Medical Sciences referred to the vital importance of child health to the individual, to the family, and to the community and nation, and expressed his satisfaction at the comprehensive manner in which the subject is dealt with by participants in the course.

Mr. Rashid Koleilat, the UNICEF Representative and Deputy Regional Director, spoke of the courses offered since the initiation of UNICEF's assistance to the Regional Training Project in 1969 and paid tribute to the excellent cooperation of AUB in making them possible.

Speaking at great length of the course aims and objectives, Dr. Jamal K. Harfouche, Chairman of the Department of Community Health Practice at AUB explained that 11 Middle Eastern countries are represented in this course—Bahrain, Cyprus, Jordan, Iran, Iraq, Lebanon, Libya, Saudi Arabia, Sudan, Syria and Yemen.

Prof. Grabar of Harvard Lectures on Islamic Art



Prof. Oleg Grabar, professor of Islamic Art at Harvard University gave two lectures last week in West Hall on two important topics of the history of Islamic architecture and art—«Qasr al-Hayr esh-Sharki and its Social Implications» and the «Illustrations of the MAQAMAT.»

The lecture on «Qasr el-Hayr esh-Sharki and its Social Implications» was on an Omayyad construction outside Palmyra and its relevance to the rise of Arab civilization in Syria. Professor Grabar has been director of archaeological excavations at Qasr el-Hayr since 1964 and is presently engaged in the publication of the results.

The second lecture on «Illustrations of the MAQAMAT» dealt with the development of manuscript illumination in medieval Islam. The subject of the *Maqamat*, by Hariri — witty, short tales of street gatherings — is a satirical commentary on contemporary society in highly elaborate style.

Professor Grabar was born and educated in France. He took advanced degrees at Harvard University and Princeton. His publications, of which the best known is probably *The Art and Architecture of Islam and Its Decoration*, have brought him international recognition in his own field and have contributed toward a deeper understanding and appreciation of the values in Islamic Art.

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

Mr. George Miller, former president of Aleppo College, currently Assistant Director of the Office of Tests and Measurements, and Chairman of the University Chapel Committee, will be the guest speaker on Sunday, Oct. 22.

UNIVERSITY CHOIR rehearsals will start on Monday, October 23 at 6:00 p.m. for female voices, and 7:00 p.m. for male voices.

Members of the community, faculty and the student body who are interested are requested to attend this first rehearsal in Nicely Hall, Room 108, for the preparation of the Xmas Musicales which is scheduled for Sunday, December 17.

Program: Excerpts from Hayden's Creation.

The AUB Drama Club has been holding meetings and try-outs for the production of their play — Sophocles' "Oedipus Rex."

The opening night of the play which will be staged at the Gulbenkian Amphitheater (Beirut College for Women) will be November 30. The play will run for two successive week-ends.

All those wishing to participate in the production, whether in acting or technical work backstage are invited to get in touch with the club.

In honor of the First Year Pharmacy Students and the Students Placed on the Dean's Honor List for 1971-72 the Pharmacy Students Society is holding a reception in Mary Dodge Hall, on Saturday, October 21, 1972 at 7:30 p.m.

Mr. Karam G. Karam Retires



l. to r. Dean R. Ghosn, Provost S. Thabet, Vice President and Mrs. D. Monnier wishing Mr. Karam the best of luck.

A party was held in College Hall last week in honor of Mr. Karam G. Karam who has retired from his post as Benefits Coordinator after 47 years of service to the University.

Mr. Farid A. Fuleihan, President Kirkwood and Vice President Monnier spoke in praise of Mr. Karam's fruitful years of service and his tireless devotion

and sense of duty.

The last to speak, Mr. Karam said he was leaving the University with mixed feelings, pleasant and sad, and a feeling of gratitude and thanks to those present at the farewell gathering.

Mr. Suhail Humsi has been appointed to the post of Benefits Coordinator.

Area Lectures Series

Oct. 25 - Dec. 20, 1972

The American University of Beirut offers each year a series of lectures on the Middle East. The program is designed primarily to acquaint newly arrived faculty and staff with problems of the area, but other members of the community who are interested in these lectures are invited to attend.

The lectures, scheduled herebelow for this year, will be given on Wednesdays at 8:00 p.m., with the exception of Wednesday, November 22 (Independence Day), in the Faculty Lounge of Ada Dodge Hall. Coffee and tea will be served at the end of each meeting. All are welcome.

<i>Date</i>	<i>Subject</i>	<i>Lecturer</i>
October 25	The American University of Beirut	President Samuel B. Kirkwood
November 1	The Palestine Question	Prof. Mahmud Zayid
November 8	The Near East—Cradle of Civilization	Prof. Dimitri Baramki
November 15	Health Problems of the Area	Dr. Nabil Nassar
November 29	Islam in English Literature	Prof. Suheil Bushrui
December 6	Education in the Area	Prof. George Zarour
December 13	Manpower Development in the Area	Prof. Nabeel Shaath
December 20	The Political Scene	Prof. Elie Salem

Dr. Jamal Harfouche Attends Conference in Cairo



Dr. Jamal K. Harfouche, Professor of Maternal and Child Health at AUB was invited by UNICEF last month to attend, as an expert, a conference on the role of the Arab Woman in national development.

Mrs. Anwar Sadat, wife of the Egyptian President opened the conference which was held at the Arab League Hall in Cairo.

Two officials from the Lebanese Ministry of Foreign Affairs and Ministry of Planning represented Lebanon at this conference which was sponsored by the United Nations Children's Fund (UNICEF), the Arab League and the Arab States Center for Functional Literacy at Sirs-el-Layan.

Prof. H.G. Nasr on Rice Improvement

Dr. H.G. Nasr, assistant professor in plant breeding and genetics at the AUB Faculty of Agricultural Sciences has been appointed member of a three-man committee of plant breeders by the International Atomic Energy Agency (IAEA) regional office in Cairo. The other two plant breeders on this committee are Dr. M.T. Eid of Egypt and Dr. A. Kauwaity of Iraq.

In view of the use of radiation (gamma rays) which has added another dimension in rice improvement in the Middle East, this committee will study and propose a regional irradiation program for the improvement of rice. It has already met at the Nuclear Research Institute in Baghdad (Iraq), and submitted a set of proposals to the IAEA in Cairo outlining a regional irradiation program for rice improvement for Middle Eastern countries where rice is an important crop.

Ph.D. Degrees Awarded by AUB are Now Equal to Doctorat d'Etat

The Equivalence Committee at the Ministry of Education has taken a decision whereby the Ph.D. conferred by the American University of Beirut shall, henceforth be considered equal to the Doctorat d'Etat in accordance with Lebanese regulations. This decision was approved on Aug. 25 by the Minister of Education.

The decision of the Equivalence Committee provides what follows:

«The Ph.D. conferred by the American University of Beirut shall be considered as fulfilling the conditions for a Doctorat d'Etat in accordance with Lebanese regulations, provided that the holder of this degree fulfills the basic stipulations in Article 46 of Legislative Decree No. 134 of 12-6-1959 and the special conditions included in the regulations of the American University pertaining to the Doctorate, copy of said regulations is kept at the Secretariat of the Equivalence Committee.»

The Registrar of the University, Prof. Fuad Haddad said in a declaration to the BULLETIN that AUB has so far conferred the following eight Ph.D. Degrees and twelve Honorary Degrees:



The statue, in College Hall, of Yakub Sarruf (BA '70) who was granted the first AUB Honoris Causa in 1890.

Ph. D. Degrees awarded since 1966

Abdullah Fayyad (Iraqi)	Arab History	October 1966
Albert Mutlak	Arabic	June 1970
Munir Gabriel	Biochemistry	June 1970
Rashad al-Imam	Arab History	June 1971
Emile Nakhlah	Chemistry	June 1971
Adel Jarrar	Chemistry	October 1971
Miss Nuhad Salibi	Chemistry	October 1971
Nabeel Kassib	Physics	July 1972

Honorary Degrees Conferred since 1890

DOCTOR OF PHILOSOPHY (Ph.D.)	DOCTOR OF DIVINITY (D.D.)
1890 Yakub Sarruf (BA'70)	1920 Harvey Porter
1890 Faris Nimr (BA'74)	

DOCTOR OF LETTERS (Litt.D.)
1966 Bayard Dodge

DOCTOR OF LAWS (LL.D.)
1910 Akhnuk Fanus
1916 Daniel Bliss
1916 D. Stewart Dodge

DOCTOR OF HUMANE LETTERS (LHD)
1969 Philip K. Hitti (BA '08)

DOCTOR OF SCIENCES (D.Sc.)
1920 Najib Mitri Salibi (BA'88, MD)

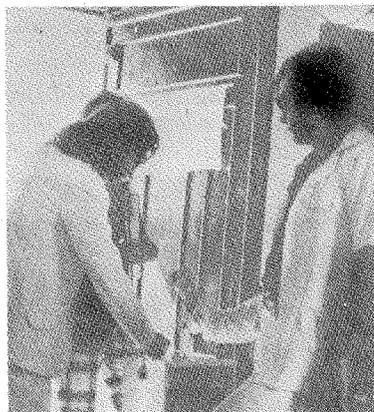
MASTER OF ARTS (M.A.)
1901 Jabr Mikhail Dumit (BA '76)
1910 Shukri Salim Kassab (BA '99)
1914 Murad Barudi (Ph. '79)

Osmania University Professor Gives 16 Seminars At AUB



Dr. Hasan Askari, Associate Professor in Sociology of the Osmania University, Hyderabad, India has joined the department of Religious Studies at AUB where he will spend two months and give 16 seminars on the topic of "The Muslim Community within the Plural Tradition of the Indian Subcontinent — A Sociological Interpretation." The subject should give students of the Middle East a real grasp of the social, cultural and religious aspects of the Muslim minority community (70 mn.) living in the Indian Plural Society.

AUB Students Collect Donations For South Lebanon



Donation Box at Main Gate

The Lebanese League of Students at AUB organized at the start of the new academic year last week a campaign to collect donations in support of the Lebanese Army and for the reconstruction of houses destroyed by Israeli attacks on villages in South Lebanon.

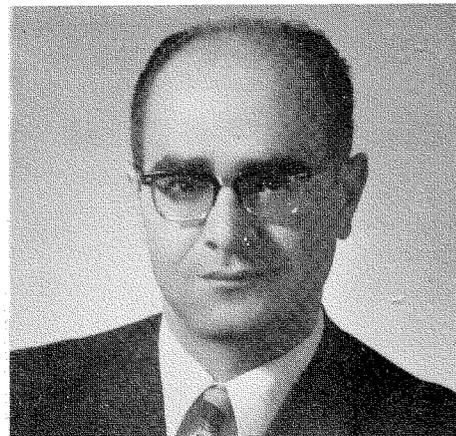
Prof. Mikdashi Returns From Leave of Absence

Professor Zuhayr Mikdashi has just returned from a two-year leave of absence. He was invited in 1970-71 to a visiting Professorship of international business at the Graduate School of Business Administration of Indiana University. In 1971-72 he was offered a Research Fellowship by Harvard University at the Center for International Affairs, and the Center for Middle Eastern Studies.

Prof. Mikdashi (D. Phil., Oxford) has been guest lecturer to several institutions in the US and Japan. He offered talks or papers to the Graduate Schools of Business Administration of Chicago, Harvard, and Georgetown universities; to the Department of Economics at the Massachusetts Institute of Technology; to the Law of the Sea Institute of Rhode Island University; to Guilford College; to the UN Resources and Transport Division; to the Institute of Energy Economics of Japan; to the Japan Petroleum Association; and to Tokyo Gas. He was furthermore selected as the only Middle East representative to participate in a United Nations Panel of Experts on Future Projections of Supply and Demand for Petroleum.

The President of the Republic of Venezuela Raphael Caldera honored him for his efforts to promote cultural and academic relations between Venezuela and the Middle East by awarding him the distinguished "Orden Francisco de Miranda."

Prof. Mikdashi has written and published several works during this leave, notably his book *The Community of Oil Exporting Countries* published jointly in August 1972 by Cornell University Press and George Allen and Unwin Ltd. of London. He co-authored a UN study entitled *Report of the Ad*



Hoc Panel of Experts on Projections of Demand and Supply of Crude Petroleum and Products. He wrote an article to the Canadian Institute of International Affairs "A la recherche d'un accroissement des bénéfices économiques : Les négociations par les termes de l'échange," and another to the Law of the Sea Institute of Rhode Island University "Resources of the Sea: Towards Effective Participation in a Common Heritage." His talks in Japan have been translated and published in Japanese.

Professor Mikdashi is currently finishing up a book on world-wide business-government relations of mineral exporting and importing countries. The Preparation of this book has been made possible thanks to a research and travel grant by the Ford Foundation, involving field research trips in the Eastern and Western Hemispheres. Moreover, the author has had the privilege of being invited to Resources for the Future (RFF) in Washington D.C. as a visiting scholar. RFF itself is a Ford supported research institution dealing with minerals, land, and the environment.

Prof. Harcourt Participates in Theological Consultation

Professor Hugh R. Harcourt, Chairman of the Cultural Studies Program, participated in a theological consultation at Aylesford Priory, in Kent, England, in September. The consultation, sponsored by the Near East Bureau of Information and Interpretation of the World Council of Churches, was called to allow Western and Oriental theologians to exchange views on the

basic theological issues underlying the Palestinian conflict. Some 35 academicians from Europe, the Middle East and North America attended. The Documents presented at the consultation are now being prepared for publication. Prof. Harcourt read a paper entitled, "The Category of History and the Relationship Between the Old and New Testaments."

AUB Libraries – General Information

The following information on the University Libraries may be helpful to new faculty members.

GENERAL

The University Libraries include the Central (Jafet Memorial) Library, the Medical Library, the Engineering and Architecture Library, the Science and Agriculture Library, and the Farm Library at the Agricultural Research and Education Center, with total holdings of about 365,000 volumes, 2,200 manuscripts and 4,900 current periodicals.

to a number of variations in the rules governing the borrowing of periodicals.

2. *Document Reproduction:* The various libraries on campus provide photocopying services at a nominal charge. Portable microform readers are available at the Central Library Reference desk for loan to faculty members.
3. *Acquisitions Lists:* Monthly lists of Eastern (i.e. Arabic alphabet) acquisitions are issued by the

or research grant accounts should be sent to the Acquisitions Department on Library Request forms.

6. *Orientation Services:* Library orientation is automatically provided for all Arts and Sciences sophomores and for B.S. in Nursing students. Orientation for special persons and groups may be arranged for by contacting the Assistant University Librarian, Readers' Services.



All Libraries are open to all faculty members under regulations which vary slightly from one Library to another. Copies of the complete regulations may be seen at the Circulation desks.

ACQUISITIONS

Books, government documents, maps, pamphlets and other library materials must be requested on the Library Request Form, whether such materials are required for one of the Libraries, for a department, or for research. Request Forms are available from the Acquisitions Department.

LIBRARY SERVICES

1. *Reference and Circulation:* Each Library maintains a Reference and a Circulation desk. In principle, the lending regulations are similar throughout the system, but the special needs of readers have given rise

Central Library. The Medical Library issues lists of its own acquisitions three times a year. Faculty members may apply to the Central or Medical Library to have their names added to the mailing lists.

4. *Reserve Book Procedures:* To place a book on reserve, complete a Reserve Book Request Form (available at the Circulation desks) and return it to the Circulation department of the appropriate library. Please supply *all* information requested on the form.
5. *Interlibrary Loan, Photocopy, and Microfilm Services:* Only limited local and international interlibrary loan service is available. Most requests of this nature must be met through photocopy or microfilm orders. Orders to be charged to departmental

LIBRARY DISCIPLINE

Faculty members are asked to cooperate with the University Librarian and his staff in maintaining Library discipline. The University Librarian will warmly appreciate all help on the part of the faculty members in promoting among their students an appreciation of the proper and responsible use of the Libraries.

He especially asks for the cooperation of faculty members in respecting the right of inspection clerks or others posted at Library doors to look at books, briefcases, etc. Students will not respect this very necessary procedure if they see that others are not subjected to it; moreover, the inspection clerks change frequently and may not always be able to distinguish faculty members from others having borrowing privileges.

OTHER LIBRARIES IN BEIRUT

The American Library at the John F. Kennedy Cultural Center and the British Council Library are lending and reference libraries. Both are within a few minutes' walk of the University. Other Libraries include those of the Université Saint Joseph (especially strong in Oriental studies, theology and medicine), Beirut College for Women and Haigazian College. The Lebanese National Library's collections are mostly in Arabic and French. The library of the Near East School of Theology is rich in many aspects of theology and religion. Faculty members are invited to consult the University Librarian and staff on the facilities available at these and other institutions.

AUB In The Press

THE LOCAL PRESS

On the occasion of the post-degree course on air and soil pollution which was held at AUB last month, the French language *As-Safa* devoted part of its front-page and three inside columns to a report on pollution. The headline of the report referred to the course held at the University. *An-Nabar* was covering the 2-week course, and *Monday Morning* gave it half a page. The daily *Al-Anwar*, in a long article on pollution, reported that the creation of a Cabinet portfolio for environment was recommended at the above course.

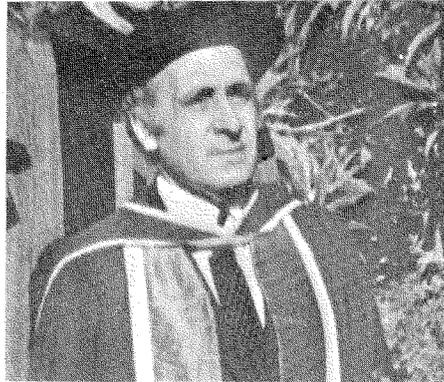


At the Farm - Drinking water deftly !

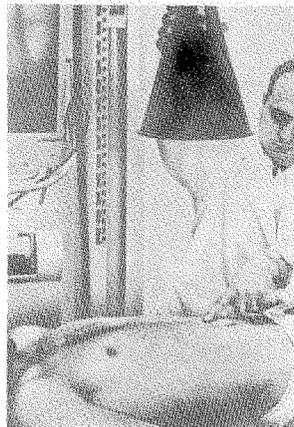
The start of the academic year was extensively covered by the local press which published several stories, with pictures, on the New Students Program activities—registration, the reception given to new students in the garden of Marquand House and the trips to the AUB farm in the Bekaa and Jeita Grotto.

Three pages of the weekly *Al-Hawadess* were, last month, devoted to an analytical article on Bureaucracy in Lebanon by Prof. Iskandar Beshir of AUB. Two articles on the same subject by Prof. Elie Salem of AUB had appeared the week before in the daily *An-Nabar*. They were drawn from a book by Prof. Salem to be published later this year.

The education page of the French language *L'Orient-Le Jour* was, last month, devoted to a review of the colloquium on the expansion of higher education which was held at the University.



Under the heading, "Ministry of Education recognizes all AUB degrees," the daily *An-Nabar* published an interview with Provost Samir Thabet who welcomed the Ministry's decision. Speaking of the Ph.D. awarded by AUB, Provost Thabet described research as the spinal chord of university education.



A long story (front-page and two insides) on cancer, based on an interview with the Director of the Cancer Program at AUH appeared recently in *Monday Morning* which mentioned that one out of six patients admitted to AUH are cancer cases.

The English language weekly *Monday Morning* published late last month a front-page article on the new organ installed in the AUB Assembly Hall. This weekly mentioned that a number of internationally famous organists are scheduled to give recitals at the Assembly Hall in the coming few months. A story on the new organ was also published in *An-Nabar* which reported that the organists of the Vatican and of the chapel of Queen Elizabeth II will be giving recitals at the Assembly Hall.

Evening Courses

The BULLETIN of October 5 contained a description of part of the special programs and courses which the AUB Division of Extension and Special Programs will be sponsoring during the semester (October-February).

Herebelow is a further description of a number of special courses for the benefit of people outside AUB.

SPECIAL COURSES

There are no grades or examinations in the special courses; certificates of attendance or completion are not issued.

THE DYNAMICS OF MODERN CHINA

A course of exploration into the many faces of Modern Chinese culture—political institutions, historical traditions, philosophical inheritance, language and writing system, and political leaders who give expression to Chinese national ideology and international policy.

THE IDEA OF GOD IN HISTORY

In this series of 12 lectures the idea of God in History will be examined by distinguished scholars of Ancient History, Anthropology, Hinduism, Buddhism, Graeco-Roman Religions, Judaism, Christianity, Islam, Philosophy and Sociology.

PSYCHOLOGY AND MODERN LIVING

A series of twelve lecture-discussions designed to relate the findings of psychologists in the laboratory and the clinical setting to practical issues of modern living for the layman.

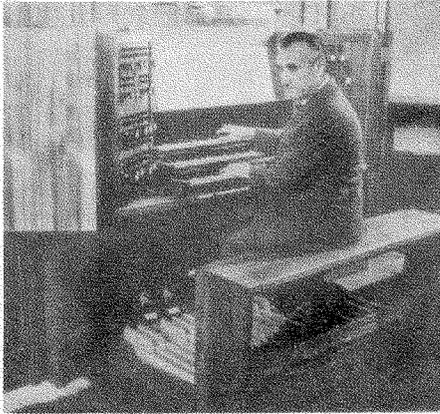
MATHEMATICS TEACHING

This course is designed for teachers of Intermediate I and II. Methods of Teaching the specific topics such as sets, prime numbers, L.C.M. and H.C.F., directed numbers of the curriculum will be discussed with an opportunity of observing model classes through film or video—tape.

UNIVERSITY ENGLISH

A series of two-semester courses in English language for adults with an emphasis on grammar, vocabulary and reading for pleasure. Writing skills will be taken up and time will be given to organized discussion and language laboratory practice to improve oral fluency.

First Recital On New Organ



Prof. Salvador Arnita (University Organist) presented on Sunday the first recital on the new organ recently installed at the Assembly Hall. The recital included works by Bach, Buxtehude, Purcell, Handel, Frank, Vierne, Gigout and Arnita.

The new organ is a restricted gift to AUB. It was donated by Mr. B.D. Eddie (former Adib 'Eed from Marjoun, Lebanon) who is member of the AUB Board of Trustees in New York and a prominent entrepreneur in the US, and who has devoted an extensive amount of time and energy to educational, welfare and civic endeavors.

Built by Marcussen and Son, of Aabenraa, Denmark, the new organ is huge and grand. It weighs four tons, twice the weight of the old one which was more than 80 years old when it was dismantled a few months ago.

The new organ will undoubtedly draw music lovers to attend the already arranged series of musical organ performances by world famous organists from Europe and the US.

Chem - EX'72

The Syndicate of Chemists in Lebanon, headed by Prof. Adib Sarkis of the AUB Department of Chemistry, has invited industrialists, suppliers and dealers of equipment and apparatus to participate in the industrial exhibition CHEM-EX '72 to be held at the Institute of Industry, Corniche Manara (near the Riviera Hotel) October 14-22, 1972.

The exhibition aims at introducing modern industrial developments to consumers in the Middle East.

Violoncello Recital



l. to r. Miss Arpi Yacoubian and Miss Nadine Barbir

Sponsored by the Division of Extension and Special Programs and Young Performers Recital Series, AUB alumna, Miss Nadine Barbir (B.A. 1972) was presented in a violoncello recital this summer. The program, played outdoors on the terrace of West Hall, included works by Vivaldi, Beethoven, Glazounov, Granados, and D. van Goens. She was accompanied by Miss Arpi Yacoubian, a senior, majoring in music, also

on the faculty of the National Conservatory of music.

Before departing for further studies in the US, Nadine was presented in a vocal recital by the Division of Humanities at BCW. She sang with her teacher, Dr. Alvarez Bulos, and also together with Professor John Clark (oboe), Mr. V. Drapal (flute), and Mrs. Zona Fennelly (Piano).

The AUB Community

An Arts and Sciences student wrote a letter last month to "Nashra", the bulletin of the Union of AUB Workers and Employees, expressing his deep appreciation of AUB workers who dignify the work they do and make life easier for thousands of us on campus.

Herebelow are excerpts from this letter which appeared in "Nashra".

With every dawning day, and before students and professors arrive on campus, we find that every thing has been prepared by our friends the workers: the classrooms are cleaned, the library put in order, and the milk bar fresh and serving coffee and sandwiches along with the best of words and the smiles of our friends the workers which drive away student disputes.

These workers are a basic and indispensable element in the life of the University. They are equal in importance to students and teachers because university life needs students to learn, teachers to lecture and workers to create a restfull atmosphere for everybody.

Lecture on Mozart and Modern Theology

The Department of Fine and Performing Arts and Cultural Studies Program of the American University of Beirut cordially invite you to attend a lecture entitled *Mozart and Modern Theology* to be given by Professor Hugh R. Harcourt, West Hall Auditorium B, Tuesday, November 14, at 6:30 p.m.

Course In Stenography

The results of in-service training programs in stenography at AUB over a period of several years have been encouraging and ensured better application of the policy of Promotion From Within whenever feasible.

This year the University is again renewing this program of free advancement to all personnel interested in learning the skill of stenography. The course will be given three times a week (Monday, Wednesday, Friday) from 4:30 to 5:30, starting October 23, 1972 through June 1973 in the "Employee Training Room," Dodge Hall.

10th X-Ray Graduating Class



Minister of Public Health presenting diplomas.

The graduation ceremony for the 10th AUB X-Ray Training Program took place late last month in the Audiovisual Room of the Medical Center. The exercise, which was attended by President Kirkwood, Vice President Hakim, Dean Lichtenwalner, Dr. Raif Nassif and other university officials, was under the patronage of the Minister of Public Health, Dr. Nazih Bizri who handed the diplomas to the ten graduates.

In his welcoming address, Dr. Rafic Melhem, Chairman of the Radiology Department reviewed the program which began modestly ten years ago as a one-year program with six students and one instructor. Dr. Melhem paid tribute to Dr. S.A. Morton under whose guidance the program thrived and became a balanced mixture of theoretical and practical training, instilling a sense of pride in its graduates.

In the past ten years, 64 graduates, among them 19 girls, have been awarded the program's diplomas. Half of them are Lebanese and the rest belong to various countries of the Middle East.

Dr. Melhem went on to speak of

the Department's immediate plan to have the training program accredited by the British Society of Radiographers to enable trainees to sit for their M.S.R. examinations, without further training and in Beirut. Moreover, the Department plans to evolve a limited post-graduate training.

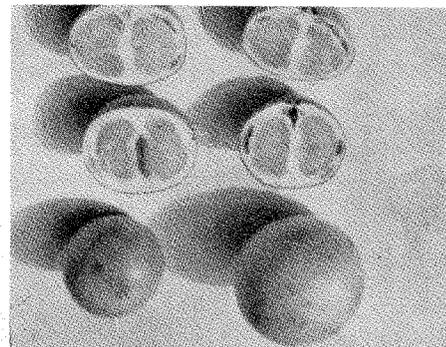
The charge to the 10th. graduating class in X-Ray technology was given by Dr. S.A. Morton who was chairman of the Department from 1963-1967.

Dr. Morton spoke at length of five attributes which set apart a really able technician from just an average person.

He stressed that a person who wants to become a truly excellent technician must be able to get along with people; he must want to be a continual learner; he must have initiative; he must be able to identify himself with the department in which he works, and finally he must realize that he must work to get ahead.

Mr. Edmond Ma'alouf spoke in the name of the graduating class and Mr. Samir Franji, who is in charge of the training program and who acted as Master of Ceremonies awarded the school pins.

AUB Professors Report on Fruit Drop



Symptoms of Boron deficiency on citrus fruits.

Upon the written request last month of Dr. Anis Jalloul, Head of Plant Protection at the Ministry of Agriculture, both Professor Ramzi Khalidy (Subtropical Horticulture) and Associate Professor A.T. Saad (Plant Pathology) visited South Lebanon to investigate the problem of fruit drop in citrus orchards.

On visiting a number of orchards where fruit drop occurred, it was apparent that the variety *Shamouti* was the most affected. The fruit drop was found to be a physiogenic trouble with no evidence of the involvement of pathogens or insects.

The fruit drop occurred as a result of the hot dry wave that prevailed between September 15 and 18 in orchards whose trees were under water-stress.

The observed drop was further aggravated by nutritional deficiencies known to contribute to tree weakening and eventually to fruit drop. These observed deficiencies were in the following decreasing order: Boron, Magnesium, Manganese and in few cases Zinc.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.

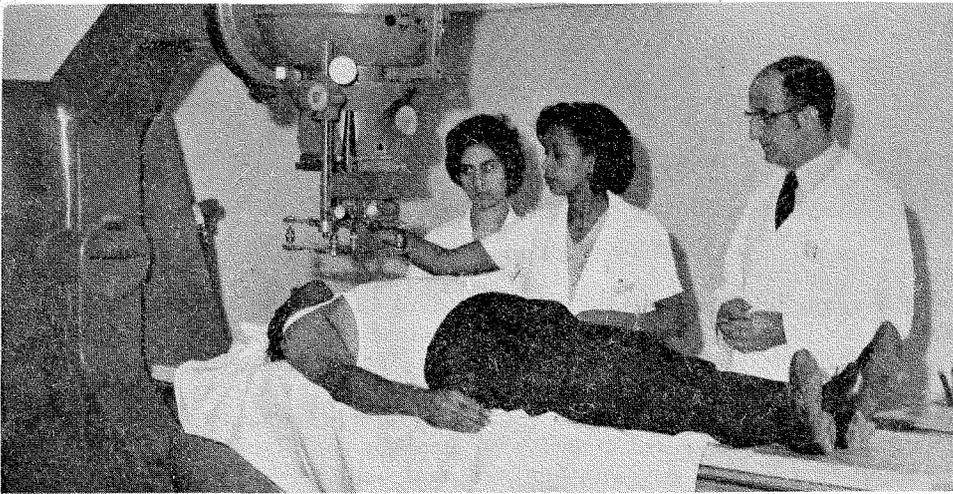


Address To :

Stamp

.....
.....
.....
.....
.....
.....

Cancer Program



Timely Check-up.

Cancer, throughout the world, is recognized as public enemy number one and is a major subject of research. Lebanon is no exception. The statistics of the American University Hospital show that cancer cases in Lebanon are increasing, and that the number of deaths by cancer is only surpassed by that of deaths resulting from heart diseases. In Beirut, one death out of nine is caused by cancer, i.e. cancer deaths average 11%.

AUH, as a leading medical institution in the Middle East, has devoted much attention to this disease and established an institution-wide cancer program whose purpose includes the following:

1. Improve the care of the cancer patient by better diagnosis, improved treatment and informed follow up. This is done by a team of specialists who offer their talents for this purpose.
2. Activate teaching and training programs in the field of cancer.
3. Supervise cancer research activities with special emphasis on diseases peculiar to the Middle East.

Dr. Philip A. Salem, Director of the Cancer Program at the AUB Medical Center has explained that a hospital-wide cancer registry will soon be in operation at the American University Hospital. This registry is a system of record keeping, follow-up analysis and reporting of the total cancer experience of the hospital. It provides the hospital staff with statistical reports on site, stage, method of diagnosis, treatment and results. The periodic reports based upon registry data will serve as a guide for the care of cancer patients within the hospital and will be useful in developing the over-all hospital cancer program. These reports are often a stimulus for clinical investigations and research by pointing out the areas in which studies are especially indicated.

Dr. Salem has stressed the importance of public understanding and knowledge of cancer symptoms and its treatment in time. He hopes the Lebanese Cancer Society will cooperate with this program and start a campaign towards this end.

The cancer program which is the first of its kind in the Middle East, is guided by a committee formed of medical specialists concerned with the diagnosis and treatment of cancer.

Makarem Calligraphy Exhibition



Be merciful upon us, O most merciful among the merciful.

The calligraphy exhibition currently in the gallery of the Central (Jafet Memorial) Library is a selected collection of later works by the late Sheikh Nasib Makarem (1889-1971), the famous Lebanese calligrapher who devoted his life to the art of calligraphy.

In a declaration to the BULLETIN about the life and work of his father, Prof. Sami Makarem said his father who started his life as a carpenter, became interested in the art of calligraphy under the influence of the Turkish masters of this art. At the age of 18, and without any formal instruction, Sheikh Nasib began his work as a calligrapher.

"Calligraphy has very complicated rules, yet my father could express much more in his drawings than the words themselves did," Prof. Makarem said, adding that apart from this symbolism Sheikh Nasib also used the "Trompe l'œil" method to make the work look like a metallic relief sculpture, and mastered all written forms of Arabic, a feat not achieved even by Turkish masters.

Cont'd. on P. 5

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

The Department of Fine and Performing Arts and Cultural Studies Program of the American University of Beirut cordially invite you to attend a lecture entitled *Mozart and Modern Theology* to be given by Professor Hugh R. Harcourt, West Hall Auditorium B, Tuesday, November 14, at 6:30 p.m.

MONDAY, NOV. 6

— *Opening of the International Organ Concert Series with Flemming Dreisig* (Denmark) (On AUB's New 3 Manuals 33 Stops Baroque Organ), Assembly Hall, 8:30 p.m.

FRIDAY, OCT 27

— Poetry Recital (Armenian) — (By Hagop Guloyan), West Hall — Auditorium, 8:30 p.m. Tickets: LL. 5.

SATURDAY, OCT. 28

— Choir Concert — (Armenian Folk Music), Assembly Hall — AUB, 8:00 p.m. Tickets: LL. 10.

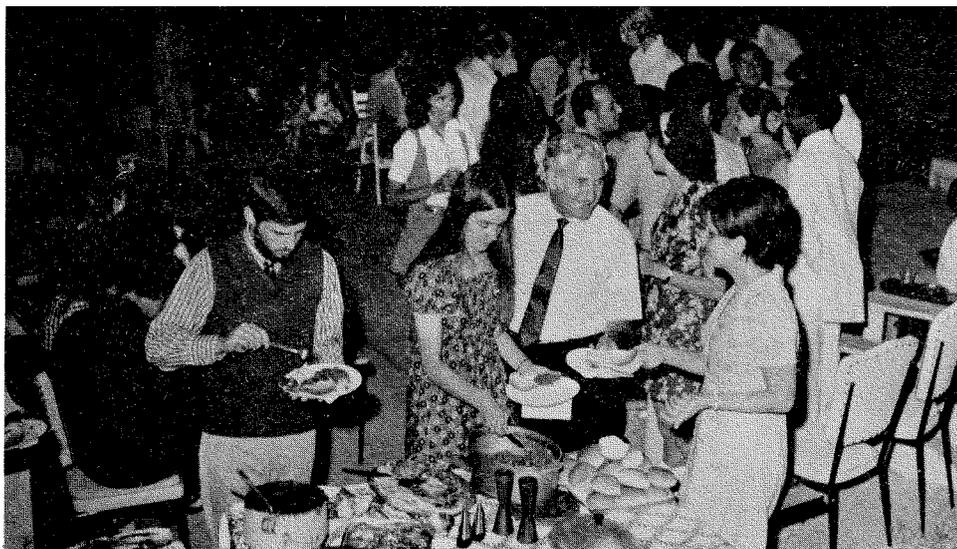
SUNDAY, OCT. 29

— Piano Recital by Raffi Bedrossian (for High School Students mainly), Assembly Hall — AUB, 4:00 p.m. Tickets: LL. 2.

WEDNESDAY, NOV. 1

— Lecture (Science for the Public Series) "Being the Right Size", Prof. John McClain, West Hall — Auditorium, 8:00 p.m.

Junior Year Abroad Program



Dean Najemy, and Acting Dean of Women Hind Musa, entertaining.

Every year between 35 and 40 students mostly from the Great Lake College Association (GLCA) arrive at AUB from the US as part of the Junior Year Abroad (JYA) program.

This year's group arrived in Beirut last month and went to stay with families in Shemlan for a short orientation program which included Arabic lessons and lectures on the culture and traditions of this part of the world. After they settled on campus, a reception was held for them at the house of the Dean of Students, Mr. Robert Najemy who declared that it is the job of the Office of Student Affairs to prepare these students for their one-year stay here.

The Junior Year Abroad program was started 7 years ago, in 1965, to allow American students to study during their junior year abroad. It is one of two programs involving Lebanon, the Great Lake College Association and the College of California.

The program's contribution to AUB is regularly a professor who, in addition to teaching, acts as guide and advisor to the JYAs. This year the professor is Dr. Saad Ibrahim, an Egyptian who is a professor at De Pauw University, and who has joined the

AUB Cultural Studies Program.

In a declaration to the BULLETIN Dr. Ibrahim explained that to be accepted in the program a student must have a good academic standing, an interest in the Middle East whether political, religious or social, and good recommendations. When accepted, however, students will be under the obligation to live on campus with Middle Easterns and upon their return to the US they have to write a full report on their year at AUB.

Prof. Ibrahim went on to stress the importance of the JYA program to American students describing it as a rich experience which enables them to study and live a new and different culture. A number of the students said that they are impressed by the development of Lebanon and have changed the wrong idea they had about the Arab World. They believe the Arab student is political minded and has a great store of general knowledge. They say that when they return to the United States, they will be able to tell their community about their experience this year which they believe will lead to better understanding with their fellow Lebanese and Arab students.

Mathematics Colloquium

The first 1971-72 meeting of the MATHEMATICS COLLOQUIUM offered by the AUB Department of Mathematics is to be held on Friday, Oct. 27 (3:30 p.m. Tea — 4:00 p.m. Paper) in Room 329 Agriculture (Math.

Dept.).

Prof. E.S. Kennedy of the AUB Department of Mathematics will be speaking of "Descriptive Geometry Before Monge: Habash al-Hasib's Graphical Determination of the Qibla."

New Faculty Members

48 new faculty members, listed herebelow, have been engaged by AUB for this academic year. They belong to eleven nationalities, as follows: 25 Lebanese, 12 Americans, 2 British, 2 Syrians, 1 South African, 1 Egyptian, 1 Canadian, 1 Jordanian, 1 Iraqi, 1 Pakistani and 1 Philippino.

NEW FACULTY MEMBERS 1972-73

Name	Title	Department	Marital Status
ABU ABSI, Samir	Assistant Professor	Linguistics and Education	M
AKIL, Randa R.	Research Assistant	Pharmacy	S
BARAKAT, Amin J.	Associate	Pediatrics	M
BELLRICHARD, Suzanne	Instructor	English	S
BRIHI, Emile	Assistant Professor	Radiology	M
BROWN, Ralph	Assistant Professor	C.E.L.R.T.	M
BURROWES, Robert	Visiting Assoc. Prof.	P.S.P.A.	M
CHMIELEWSKI, Jerome	Visiting Assoc. Prof.	Engineering and Architecture	S
CHRISTIDIS, Theodore	Instructor	Physics	S
COLT, John	Visiting Professor	Fine and Performing Arts	M
CORTAS, Nadim E.	Assistant Professor	Pharmacology	M
DAOUK, Muhiba	Assistant Professor	Anesthesiology	M
DOLLIE, Frida H.	Research Assistant	Internal Medicine	S
GILLIE, Francis B.	Senior Lecturer	Engineering and Architecture	M
GLUBB, Sharon M.	Coordinator	Public Health	M
HARDY, John T.	Assistant Professor	Biology	M
IBRAHIM, Saad	Visiting Assistant Prof.	Cultural Studies Program	M
JURDAK, Murad	Instructor	Education	S
KADI, Zeina	Research Assistant	Education	S
KALOUSTIAN, Moses	Assistant Professor	Chemistry	M
KANAAN, Adil Jubran	Assistant Professor	Economics	M
KARAM, Karam S.	Assistant Professor	Obstetrics and Gynecology	S
KISIRWANI, Marun	Assistant Professor	P.S.P.A.	S
MAKDASI, Samir	Visiting Assoc. Prof.	Economics	M
MALEH, Ghassan	Visiting Assoc. Prof.	English	S
MANASSAH, Jamal	Assistant Professor	Physics	S
MASON, Morton	Visiting Professor	Clinical Pathology	M
MUZAYYIN, Muhd. K.	Lecturer	Public Health Administration	M
NASR, Munir F.	Assist. Clinical Prof.	Obstetrics and Gynecology	S
NASRALLAH, Salah M.	Lecturer and Physician	Internal Med. and U.H.S.	M
NASSER, Michel G.	Lecturer	Internal Medicine	S
NASSIF, Nabil	Assistant Professor	Mathematics	M
NELSON, Leland W.	Visiting Professor	Education	M
NOBLE, Paul	Associate	P.S.P.A.	M
NUWAYHID, Nizar	Clinical Instructor	School of Medicine	M
RADI, Nuha	Instructor	Fine and Performing Arts	S
RAZA, Muhammad R.	Visiting Senior Lecturer	Agriculture	M
RIFKA, Ghada	Research Assistant	Crop Production and Protection	S
SIMAN, Lilian P.	Research Assistant	Public Health	S
SMITH, Barrie D.	Visiting Assoc. Prof.	Human Morphology	M
SPIKER, Steven L.	Assistant Professor	Biology	M
STARR, Paul Douglas	Assistant Professor	Sociology	M
SUIDAN, Mubadda T.	Lecturer	Engineering and Architecture	S
STUMP, Harold	Visiting Professor	Engineering and Architecture	S
SY, Magdalena	Assistant Professor	School of Nursing	S
WAKIM, Hanneh M.	Assistant Instructor	School of Nursing	S
WATFA, Nabil	Instructor	Public Health	S
ZAATAR, Muhammad K.	Assistant Professor	Mathematics	S

Women's Auxiliary Meet At Marquand House



Modelling an evening gown.

Mrs. Jackie Druker, President of the AUH Women's Auxiliary, and Mrs. Samuel B. Kirkwood received last week in the garden of Marquand House a large number of guests who came to attend the Auxiliary's first general meeting.

The first meeting of the AUH Women's Auxiliary which is traditionally held in Marquand House, included a fashion show this year to attract more members. The calendar published annually by the Auxiliary was sold at the garden entrance to raise money for needy patients, while at different tables ladies signed up their names for the work they would like to do during the current year.

Mrs. Caroline Jones described in a running commentary the show presentations from Faubourg St. Honoré, Dahlia, and Week-End which were modelled by eleven ladies, some of whom were members of the Auxiliary's committee.

Dahlia was the first to present day wear for ladies in all sizes and Week-End presented ski and après-ski wear for ladies and children, while a lovely evening dress collection was presented by Faubourg St. Honoré.

Tea and cakes were offered after the fashion show which was voluntary, like all other activities of the Women's Auxiliary.

Evening Courses

The BYZANTINE ART SEMINAR offered in the evening programs by the Division of Extension and Special Programs *WILL BE GIVEN*.

The course consists of nine lecture discussions with slides in the history and development of Byzantine art and architecture from the founding of Constantinople in the fourth century to its fall in 1453. Special emphasis will be placed on monuments in Lebanon, Syria, Egypt, and Turkey.

Instructor : Dr. E. Dodd
Duration : Nine weeks
Time : Mondays 7-8:30pm
Commencing : November 6, 1972
Place : Nicely 202
Fee : LL. 70

Book By Prof. N. Khalaf

The book review section of the summer issue of the Middle East Journal contains reviews of two books by Professors D. Gordon and N. Khalaf of AUB.

ECONOMIC IMPLICATIONS OF THE SIZE OF NATIONS: WITH SPECIAL REFERENCE TO LEBANON, by *Nadim G. Khalaf*, Leiden : E. J. Brill, 1971, is described by the reviewer as a twofold task "carried out very competently and with great thoroughness."

Prof. Khalaf examines, by means of two-variable and multi-variant analysis applied to eighty countries, the effects of size (i.e. of population and income) on certain important economic variables. His conclusions, the reviewer says, are both interesting and heartening.

On the second part of the book which applies the analysis to Lebanon, the reviewer says:

"In view of the paucity of data on Lebanon, economists have been chary of writing on that country. Professor Khalaf would therefore have rendered a service if he had merely put together and published the various available series of data on national income, capital formation, balance of payments, structure of industry, occupational distribution and so on, even granting that some are not very reliable. But of course he has done much more. He describes and analyzes the economy in the light of his general findings, and once again comes up with rather cheering conclusions."

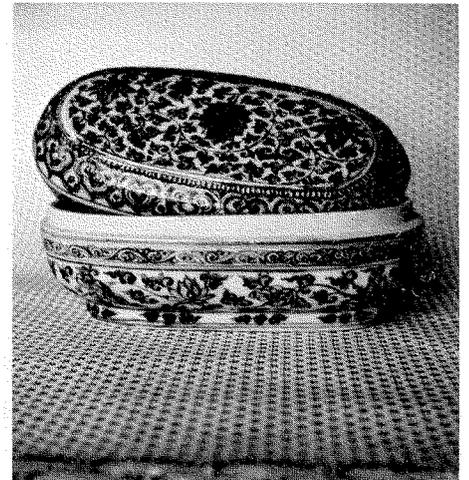
Profs. Carswell and Kouymjian At Congress in Oxford

Professors John Carswell, of the Department of Fine Arts, and Dickran Kouymjian, of the Department of History and Religious Studies, attended last month the Sixth International Congress of Iranian Art and Archaeology held in Oxford, England.

The Congress was formally opened by Princess Alexandra at the Sheldonian Theatre, constructed by Sir Christopher Wren in the 17th Century. The rest of the week was occupied by five sections of panels devoted to the art and archaeology of pre-historic Iran, Achaemenid Iran, Parthian and Sasanian Iran, and Islamic Iran. Since the congress was concerned mainly with art and archaeology, nearly all of the 200 papers scheduled were accompanied by slides.

Professor Carswell, in addition to being invited to be Chairman of a panel devoted to pottery and ceramics, read a paper entitled "China, Iran and the Near East: 15th. Century Pottery and Porcelain." He showed a number of pieces of Islamic pottery and Chinese porcelain, and discussed the complex relation between Near and Far Eastern styles. Amongst the specimens was a unique Chinese porcelain box, found in Damascus, the shape of which had been copied by the Chinese potters from a Mamluk metal prototype. He also illustrated several pieces from the collection of the University Museum.

Professor Kouymjian's contribution was entitled "A Unique Coin of the Shirvanshah Minuchihr II Dated 555 A.H./1160 A.D." This unique coin, now in the collection of the American Numismatic Society in New York, helps solve a number of critical problems related to the important reign of Minuchihr, the famous patron of such Persian poets as Falaki and Khaqani. The paper affirmed the importance of numismatic evidence—in the absence of adequate written sources—for clarifying basic historical, economic, and socio-feudal problems of northwestern Iran and Caucasia in the late Seljuk and early Mongol periods.



A 15th century Chinese porcelain box found in Damascus, copied from a Mamluk metal shape.



Side I of unique coin of Minuchihr II, date 555 A.H./1160 A.D.

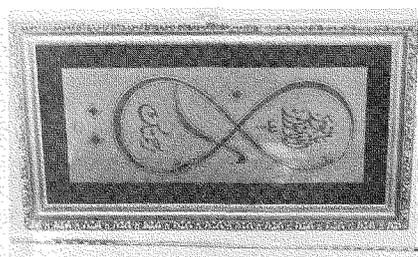


Side II of above coin.

Makarem Calligraphy Exhibition

(cont'd. from page 1)

Prof. Makarem went on to explain that Sheikh Nasib could write 26 words of the Koran on a grain of rice. At the New York World Fair in 1939 Sheikh Nasib received the first prize for a map carved on a piece of silver the size of a grain of rice showing, in gold relief, all the major cities and rivers of the US. Sheikh Nasib also carved a similar map of Lebanon and received for it the Lebanese Order of the Cedars.



In some of his works now on exhibition, his use of symbolism is much in evidence. For example, the painting having the shape of an 8 when placed horizontally denotes infinity, the power of the Almighty.

The collection will be on show till the end of October. It is organized by Prof. P.H. Smith of the Department of Fine and Performing Arts.

HIP Rates

A meeting of the Hospitalization Insurance Plan (HIP) Committee was held last week to further discuss the HIP rates. It was agreed that a thorough study be initiated concerning all aspects of HIP including the level of medical professional rates to be applied, the volume of risk involved in each group, and the development of appropriate HIP rates which will lead to a self-supporting plan with a reasonable amount of fund reserve.

The target date for the medical aspects of the study is to be December 31, 1972 and the whole study should be completed by March 31, 1973.

It is hoped that the rates for next year (1973-74) will be communicated in advance to HIP members before October 1973.

Dr. Norman E. Borlaug, Nobel Laureate, Lectures on Food and Population



Large audience of students and faculty

Dr. Norman E. Borlaug, Nobel Peace Prize winner 1970, gave a lecture at AUB last week on *Food and Population*. The lecture was sponsored jointly by the SIGMA XI CLUB of AUB and the Agriculture Division of Ford Foundation (Beirut).

Dr. Borlaug was born in Iowa, USA, and received his education at the University of Minnesota. Since 1944 he has been working on agricultural projects mostly in Mexico as a member of a Rockefeller Foundation research team. His experiments, conducted over a period of 25 years, resulted in the development of high yielding strains of wheat and rice that are adaptable to a wide variety of soil conditions. He is presently director of the International Maize and Wheat Improvement Center of Mexico.

As the prime mover in the "Green Revolution," Dr. Borlaug was awarded the Nobel Peace Prize in 1970 for his "great contribution in creating a technological break-through which makes it possible to abolish hunger in the course of a few years."

"We have only delayed the food crisis for another 30 years, and if the world population continues to increase at the same rate, we will destroy the species." This was the gloomy fate Dr. Norman Borlaug presented the day he was awarded the 1970 Nobel Peace Prize. In last week's lecture to a large attendance he was optimistic that during this borrowed time man will establish the right priorities and use his technological advances to maintain a balance between food production and population growth.

Dr. Borlaug emphasized team work in both basic and applied research and

the harmonious interplay of several factors in the development and use of high yielding wheat varieties: genetic constitution, proper use of fertilizers, weed and insect control, and a sound economic policy. Dr. Borlaug recommended next the *proper* use of pesticides until harmless substitutes are discovered.



Dr. Borlaug lecturing

One of the promising lines of research being conducted under the direction of Dr. Borlaug and several other scientists in the world involves the development of cereal crops that are of high nutritional value to man.

Such good protein sources would be desirable since animal protein is very expensive and out of reach of a great number of people who need it most.

The undomesticated animals of today could become an important source of animal protein in the future. Dr. Borlaug suggested research programs aimed at learning more about the genetics and physiology of these animals.

Finally, Dr. Borlaug mentioned that without a simultaneous effort to limit the rate of increase in population, all the technological advances in food production would be useless.

AUB In The Press

THE LOCAL PRESS

The local press devoted much space to the AUB Convocation ceremony early this month, and headlines referred to passages from President Kirkwood's Convocation address.

The headline of *Al-Mubarrir* which read "Opening of 107th academic year at AUB," stressed the President's reference to the "Future" and to the "frustrated generation."

The heading in *Al-Anwar* emphasized that the President grieved for the victims of attacks on Lebanon.

An-Nabbar's report carried the heading: Life is back on Campus. AUB President — You belong to a dissatisfied generation but despair not, because tomorrow carries hope.

The Convocation news was also broadcast on radio and TV.



The daily *Al-Anwar* reported with pictures the establishment on campus of a "cooperative for students" by the SANA group of AUB. The cooperative deals mainly in selling and buying second hand books.

Al-Anwar, in a report headed "The Making of Men," highly praised the "League" of AUB Students which has announced that it will be opening a school to teach vendors of Chicklets and other vagrant children.

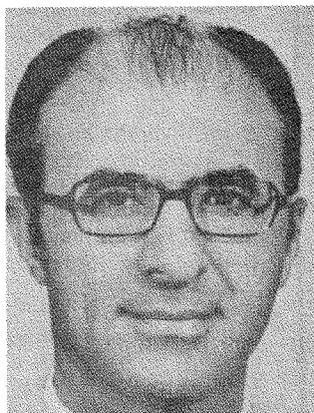
A special story on the AUB X-ray graduates appeared this month in *An-Nabbar* which also interviewed Dr. Rafic Melhem who urged young people to specialize in this field.

Under the heading, *The AUB Faculty of Agriculture is the only school in Lebanon which teaches agriculture—*

1000 graduates in Agriculture in 10 years—1000 dunums for research and experimentation farming, the Sunday Supplement of *An-Nabbar* devoted its center spread last month to an article with pictures on the AUB Faculty of Agricultural Sciences.

The article pointed out that the above Faculty is of the type of the American Land Grant College for the training of planners of agricultural development.

THE U.S. PRESS



The *Columbia Tribune and Missourian* reported the arrival in Columbia, MO, of Dr. Camille S. Matta, eye specialist from AUB, to join the staff of the University Medical Center.

Dr. Matta, who has taken a year's sabbatical from his post as chairman of ophthalmology at AUB will be involved with care of patients and will teach and take part in research program in the ophthalmology department of the University Medical Center in Columbia, MO.

The Rocky Mountain News of Denver, Colorado, reviews in a long article the most important archeology digs, in recent years, which add to man's history.

The following passage appears in this review:

In Lebanon, Prof. Dimitri Baramki of the American University said the most important dig in the Lebanon-Syria-Jordan area is uncovering a good picture of the Bronze Age at Ras Shamra near Latakia in Syria. The most important discovery of recent years was the Sacrophagus of King Ahiiram, now in the National

Museum in Beirut, inscribed in the 11th Century B.C. with some of the earliest alphabetical inscriptions. The development of the Alphabet is regarded as Lebanon's finest contribution to civilization.

The Jacksonville Journal, which reported that Dr. Delton S. Scudder was retiring as chairman of the University of Florida's religion department, mentioned that he had served as a faculty member of AUB.

A report in the *Phoenix Gazette* on Dr. Shafica Karagulla, director of research at the Higher Sense Perception Research Foundation in Beverly Hills, Calif., mentions that she received a Doctor of Medicine and Surgery degree from the American University of Beirut in 1940.



The *Afro-American* of Baltimore MD and Philadelphia, PA and the *Durham, N.C. Carolina Times*, reported the appointment of Dr. Thomas E. Malone as Associate Director for Extramural Research and Training at the National Institute of Health, and mentioned that he spent two years in the late sixties as professor and chairman of the Department of Biology at AUB.

... AND THE FOREIGN PRESS

A research on the "classification of nutritional status in early childhood" appeared in *The Lancet*, London. The research was carried out by Doctors Donald S. McLaren and Walter W.C. Read of the Nutrition Research Laboratory, AUB school of Medicine.

National Board For Scientific Research Grants 21 Scholarships

The National Board for Scientific Research has lately granted scholarships to 21 graduates (4 women and 17 men) to work for their doctorates in foreign universities. Eleven of these graduates will be going to France, two to England and eight to the US. The chairman of the above government board said these graduates were chosen out of 134 contestants. Each of them will have to come back and work here in the Lebanon.

104 scholarships have been awarded by the above board in the past ten years.

Prof. N. Dajani Elected Member of IAMCR

Prof. Nabil A. Dajani, assistant professor of mass communication at AUB, was elected member of the executive committee of the International Association of Mass Communication Research (IAMCR). He was also elected co-chairman of IAMCR's section in charge of developing countries.

The election of Prof. Dajani took place in Buenos-Aires, Argentina, at the general assembly meeting of IAMCR which concluded a 10-day congress on "Communication and Development." He participated in the congress as a UNESCO representative and read a paper on "Communication and Development: A non-Western outlook."

While in Argentina, he also attended a meeting of the permanent UNESCO panel of experts on communication research. The panel worked out an outline draft to the United Nations Development Program (UNDP) for a 2-million dollar research program to be carried out in the next five years with the aim of developing mass communication researchers in the developing countries.

Prof. Dajani was appointed member of UNESCO's panel of experts on communication research last year. The panel includes ten experts representing the different regions of the world. He was also elected by UNESCO to serve on another "panel of experts on communication policies and planning." In this capacity he attended a two-week meeting in Paris late last July.

Women's Association Honors Newcomers at Marquand House



Mrs. S. El-Khuri addressing members of association.

At the invitation of Mrs. Samuel B. Kirkwood, the Women's Association of AUB met last week at Marquand House for a tea in honor of newcomers to the University.

Mrs. Samir Thabet welcomed the ladies on behalf of Mrs. Kirkwood, and Mrs. Samir El-Khuri, President of the Association introduced the new executive board.

A brief outline of the activities planned for the coming year with the purpose of creating a closer relationship among faculty, staff, and students, was given by Mrs. Roger Chehiré, the program chairman.

(Membership is still open. Ladies interested in joining can contact Mrs. Samir El-Khuri, tel 345669).

Faculty Housing Advisory Committee 1972-1973

FACULTY BUILDING I.

Mrs. Gerald Obermeyer	1 year (home 3411)
Mr. Amin Hajj	2 years (home 3412) (office 38714)

FACULTY BUILDING II.

Mrs. Donald Meyer	2 years (home 2224)
Prof. Frank Schwulst	1 year (home 2211) (office 2771)

FACULTY BUILDING III. EAST WING

Mrs. John Seeger	1 year (home 2804)
Prof. Ray Nightingale	2 years (home 2808) (office 2764)

FACULTY BUILDING III. WEST WING

Mrs. Asok Bhattacharya	1 year (home 2819)
Prof. Lawrence Edwards	2 years (home 2728) (office 2465)

CAMPUS RESIDENCES

Mrs. Craig Lichtenwalner	1 year (home 2517)
Mrs. Robert Walker	2 years (home 2510)

AUB Librarians Attend Meeting in Budapest

Mr. Robert Copeland, Assistant University Librarian, Readers Services, represented AUB at the 38th General Council meeting of the International Federation of Library Associations

which was held in Budapest during the summer. He was accompanied by his wife Mrs. Nora Copeland, Chief Catalog Librarian.

Post Graduate Course in Cardiology



Minister of Public Health, Dr. Nazih Bizri opening course, with Dr. George Rubeiz, Dr. Riad Tabbara and Dean Craig Lichtenwalner facing camera.

A post graduate course on recent advances in Cardiology was opened this month at the AUB Medical Center under the auspices of Dr. Nazih Bizri, Minister of Public Health.

The following four well-known American specialists participated in this course:

Dr. Dwight E. Harken, Harvard Medical School; Dr. Anthony N. Damato, US Public Health Service Hospital, New York; Dr. Mary Allen Engle, Cornell University Medical College, New York; Dr. Rolf M. Gunnar, Loyola University Stritch School of Medicine, Chicago.

The topics which were discussed covered recent advances in congenital

heart disease, cardiac arrhythmias and their treatment, new concepts on shock and in particular cardiogenic shock, evaluation and treatment of accelerated angina, and recent advances in valvular and coronary artery surgery.

Dr. Riad Tabbara, Chairman of the Department of Internal Medicine at AUH declared that the AUB Medical Center has been offering such courses to acquaint specialists with recent scientific developments in the various fields of medicine.

Dr. George Rubeiz, head of the Division of Cardiology at AUH and member of the American College of Cardiology said the contribution of the four American participants was of much value.

Mr. Alfred H. Howell on one week visit

Mr. Alfred H. Howell, Treasurer of the Board of Trustees is arriving on November 1st in Beirut on a visit of one week.

Mr. Howell, Vice President First National City Bank was elected Treasurer of the AUB Board of Trustees in March this year.

Mr. Farid Al-Sa'd Appointed Trustee of Jordan University

Mr. Farid Al-Sa'd (BS '28), Minister of Finance in the Jordanian Cabinet and member of the AUB Board of Trustees was last month appointed Trustee of the Jordan University.

Mr. Al-Sa'd, a distinguished Jordanian businessman had established the Farid Al-Sa'd Endowment for Science Scholarships to assist Arab graduates who distinguish themselves in science and technology to continue their higher studies and research at AUB.

On his appointment as Minister of Finance, Mr. Al-Sa'd had informed the Jordanian Prime Minister that he wished to contribute his salary as Cabinet Minister to the Jordan University fund for needy students.

Dr. B.B. Thurston Appointed Provost at Bethany College

Word has been received in Beirut that Dr. Burton B. Thurston, former member of the AUB faculty, 1958-71 is appointed Provost for External Affairs and Professor of Middle Eastern Studies at Bethany College, Bethany, W.Va., USA.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To:

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 5

THURSDAY, NOVEMBER 2, 1977

Weed Science Program



Herbicide application in soybeans (chloramben) controlled weeds without injury to crop.

Agricultural sciences are attracting an increasing number of students in Lebanon and the Arab World. Since its foundation, the Faculty of Agricultural Sciences at the American University of Beirut has actively participated in meeting the needs of Lebanon and the Arab World for specialists in the various fields of agriculture. During the past decade, this Faculty has graduated a good number of specialists in various agricultural areas, particularly areas which interest the Middle East.

To meet the growing need of the region for weed specialists, the AUB Faculty of Agricultural Sciences is offering a program of graduate study leading to the degree of Master of Science (Agronomy) in the area of weed science as the economic losses due to weeds are now recognized as obstacles in agricultural development, particularly in tropical regions.

Weeds reduce the yield and quality

of crops, harbor insects and disease organisms, impair human health and destroy irrigation systems.

Dr. Abdur-Rahman Saghir, associate professor of weed science at the AUB Faculty of Agricultural Sciences who supervises the new program has declared that the opening up of new areas to agriculture in the Arab World and the Middle East, particularly in Iraq, Syria, Libya, Saudi Arabia, Lebanon, Iran and Pakistan brings in a horde of weed problems and, consequently, adds further to the need for more weed specialists.

Prof. Saghir added that career opportunities for weed specialists abound in research, industry, extension, teaching and in government and international service.

Prof. Shawkat Chaudhary, senior lecturer in Taxonomy, is also involved in this program.

President Kirkwood Lectures on History of AUB



President Kirkwood displaying old picture of the American College and the Sheik's House in 'Abey where the Missionaries lived last century.

The Area Lectures Series program was opened last week by President Samuel B. Kirkwood who spoke of the history of the American University of Beirut. Each year, the University offers a series of such lectures which are open to all members of the community but which are designed primarily to acquaint newly arrived faculty and staff with problems of the area.

President Kirkwood spoke first of the courage of the missionaries who were in this area last century and who, on finding that it was difficult to proselytize their own Christian faith were anxious enough to help this region of the world by setting up a school of higher education based on the American educational system which they were familiar with and from which they had benefited.

The prime movers for establishing this institution were the Rev. Dr. Daniel Bliss and the Rev. Dr. William M. Thomson. Unanimously chosen to be the first president of the Syrian Protestant College (SPC), as AUB was then called, Dr. Daniel Bliss devoted much of

cont'd. on p. 5

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

The Reverend Dr. Vernon Fletcher, Professor of Theology at the Near East School of Theology, will be guest speaker on Sunday, November 5.

THE AUB ALUMNI ASSOCIATION
of North America, Inc.
has sent invitations for an
AUB ALUMNI SEMINAR
On Wednesday, November 15, 1972
at The Princeton Club of New York
to hear President Samuel
B. Kirkwood speak of
"Education in Turmoil"

The Department of Fine and Performing Arts and Cultural Studies Program of the American University of Beirut cordially invite you to attend a lecture entitled *Mozart and Modern Theology* to be given by Professor Hugh R. Harcourt, West Hall Auditorium B, Tuesday, November 14, at 6:30 p.m.

This is to remind Faculty and Non-Academic Personnel that any change in family status such as marriage, birth of a child, adoption of a child, etc. must be reported to the Personnel Office and to the Benefits Coordinator immediately after the change takes place.

In the case of Faculty members it is important that this change should also be reported to the Dean of the Faculty.

FRIDAY, NOVEMBER 10
(Not 6th as already reported)

— Opening of the International Organ Concert Series with Flemming Dreisig (Denmark) (On AUB's New 3 Manuals 33 Stops Baroque Organ), Assembly Hall, 8:30 p.m.

WEDNESDAY-FRIDAY, NOV. 1-3

— Exhibition on Palestine Research and Studies (Student Council), West Hall — Common Room.

SATURDAY, NOVEMBER 4

— Folk Dance Club — Party, Mary Dodge Hall, 7:30-12:00 p.m.

Science for the Public — Lectures Series

The American University of Beirut is arranging a series of eleven scientific lectures for this academic year.

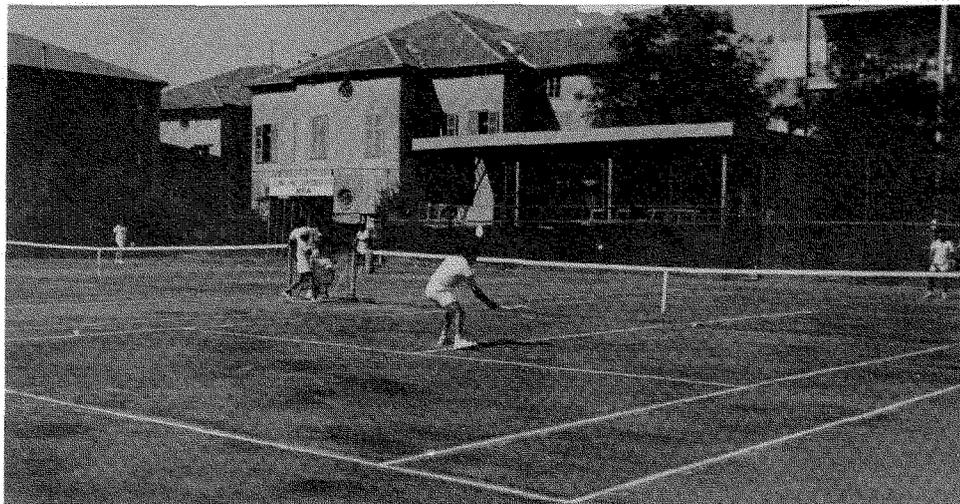
The lectures in this series entitled Science For The Public, as scheduled below, will be given at West Hall on Wednesdays, at 8:00 p.m.

These lectures by AUB professors are designed mainly to enlighten the public on various scientific topics, and all those interested are welcome to attend.

The first lecture in this series, *Being The Right Size*, was given on Wednesday evening, Nov. 1st by Prof. John W. McLain.

Date	Topic	Lecturer
November 15, 1972	HEART DISEASE AND MAN	Fuad Jubran
December 6, 1972	THE WORLD OF EXTREMES	Jamal T. Manassah
December 20, 1972	ORDER AND SYMMETRY	Khalil Bitar
January 10, 1973	THE GIANT DWARFS (The Micro-Electronic Revolution)	Kanaan Kano
February 21, 1973	CHEMICAL FEEDBACK CONTROL MECHANISM	Usama al-Khalidi
March 7, 1973	POPULATION GROWTH AND CONTRACEPTION	Adnan Mroueh
March 28, 1973	POTASSIUM CELLULAR PHYSIOLOGY	Raja N. Khuri
April 11, 1973	THE CREATION	Frans Bruin
May 9, 1973	THE FOOD YOU EAT	Abdul Hamid Hallab
May 23, 1973	THE YEAR 2000	Antoine B. Zahlan

Alumni Tennis Tournament

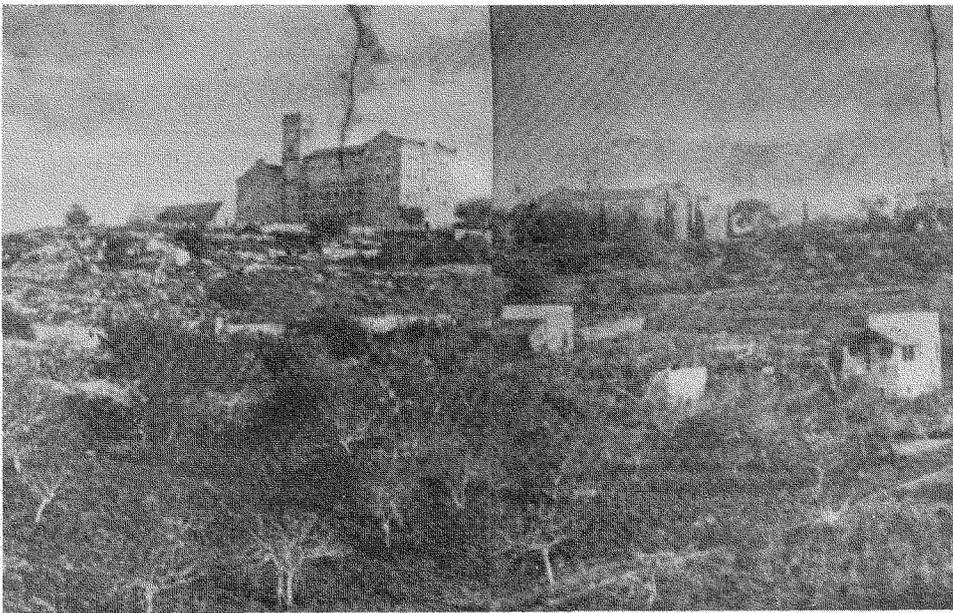


The Alumni Tennis Tournament, an annual event since 1945, was this year sponsored by Middle East Airlines-Air Liban and organised over a period of 11 days, from September 27 to October 7.

70 players took part in the Men's Singles, 32 in the Men's Doubles, 11 in the Ladies Singles and 8 (over 45 years old) in the Veterans Men's Doubles, with the following results:

Event	Winner	Runner Up	Score
Men's Singles	N. Abouhassoun	A. Jamal	5-7, 6-3, 6-4
Ladies Singles	Mrs. Lita Akraoui	Miss Rose Menassa	6-0, 6-0
Veterans Men's Doubles	Hajjar - Tabet	Aboukhalid - Anid	6-4, 6-0
Men's Doubles	Samuel - Ramadan	Khoury - Hajjar	9-7, 2-5 abandon

Bonfils - First Photographer in the Middle East



The Campus as it looked last century — photographed by Felix Bonfils.

President Kirkwood held a party last week at Marquand House in honor of Mr. Roger Bonfils who arrived in Beirut recently. The name Bonfils has special importance in the field of photography. Felix Bonfils, grandfather of Mr. Roger Bonfils was among the first photographers in the world, and the first in the Middle East.

A large collection of works by Felix Bonfils and his son Adrian are at the Central (Jafet Memorial) Library, among them photographs of the AUB campus in its early days, and one of Dr. Daniel Bliss, the first president of the University.

In a declaration on these valuable photographs, Mr. Ritchie Thomas, AUB Associate Librarian said:

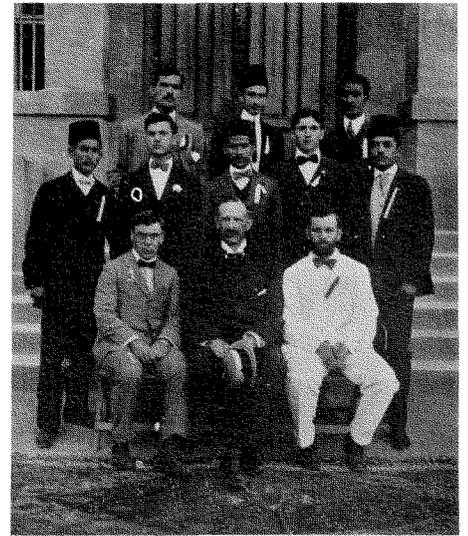
"I am reasonably certain that Felix Bonfils and his son, Adrian Bonfils, were the first to comprehensively

photograph this portion of the Middle East.

"I feel that the period character of the scenes should interest social historians and historians of costume, customs, archaeology, etc. Many of the antiquities included can no longer be seen in the state they were in then, e.g. Abu Simbal, Philae and Palestine, because their view has been altered by restoration, excavation, modern buildings, or simply destroyed.

"The photographs provide a very graphic view of what a portion of the Middle East looked like nearly one hundred years ago."

Mr. Roger Bonfils was warmly received at the Office of Development. He recalled that he was a student on campus for two years (1914-1916) when his father Mr. Adrian Bonfils had a photography studio in Beirut.



President Howard S. Bliss and Fifth Form (1908-1909) — photographed by Felix Bonfils.



Mr. and Mrs. Roger Bonfils and Mr. Ritchie Thomas in front of the Central (Jafet Memorial) Library.

Senusert "University"

The discovery of an ancient temple in Al-Matariya, south of Cairo was reported last month. The temple is said to be that of Senusert and to represent the greater part of the oldest university in history, that of ancient Ain Shams which was built three thousand years ago.

Dr. Soubhy Bakry of Egypt, an au-

thority of Pharaonic archaeological excavations said the ancient university was open to all classes of people and taught mathematics, astronomy, philosophy and medicine. He also mentioned that the ancient Greek scientists like Plato, Aristotle and Pythagoras had received their education at the ancient Ain Shams university.

Dr. Nystrom Elected President of Bennett College

Dr. J.W. Nystrom, who until recently had served as Professor of Education at AUB and later as academic vice-president at International College, has been elected as the fourth President of Bennett College which is a two-year program college for women in the State of New York.

Dean Lichtenwalner on 3-week Trip to USA

Dr. Raif Nassif will serve as Acting Dean during the absence of Dr. Craig S. Lichtenwalner, Dean of the Faculties of Medical Sciences, in the US for a three-week trip. He left on October 29.

Byzantine Art Seminar

Nine lecture discussions with slides on the history and development of Byzantine art and architecture from the founding of Constantinople in the fourth century to its fall in 1453. Special emphasis will be placed on monuments in Lebanon, Syria, Egypt, and Turkey.

Instructor: Dr. E. Dodd

Duration : Nine weeks

Time: Mondays 7-8:30 p.m.

Commencing: November 6, 1972

Place: Nicely 202

Fee: LL. 70

Works by Prof. Cook During Sabbatical

A study of Chaucer's revisions of the text of *Troilus and Criseyde* and an identification of the final form of the poem was completed and submitted for publication by Prof. D. Cook while on sabbatical during the academic year 71-72.

He also completed one study and has partially written another out of a series of individual studies on particular Tales from Chaucer's *Canterbury Tales*. These will be submitted individually for journal publication.

A translation, by Prof. Cook, of the Anglo-Saxon poem *Beowulf*, differing from existing translations in that it is closer in style and rhetorical structure to the original, is partially completed.

The above works are now the subject of discussions with a number of publishing firms. Scribner's, in particular, appear to be interested in the series of individual studies on particular tales from Chaucer's *Canterbury Tales*. On the other hand, Doubleday would like a revision and expansion of Prof. Cook's existing edition of selections from the *Canterbury Tales*, a book which has already sold over 100,000 copies.

During his sabbatical, Prof. Cook attended the annual Modern Language Association meeting in Chicago.

The Lebanese University

The academic year at the Lebanese University started this week. On this occasion *Al-Muharrir* published the following information on this institution:

The Lebanese University is the only public institution for higher education in Lebanon, and is the second with regard to the number of students enrolled at it.

The Rector of the Lebanese University is Dr. Edmond N'eem, former Dean of its Faculty of Law. Dr. Abbas Alamuddin is its Senate Secretary.

Below is a list of the University's eight faculties and their deans:

Faculty of Law and Political and Administrative Sciences — Dr. Raymond Farhat.

Faculty of Literature and Humanities — Dr. Zahia Kaddoura

Faculty of Education — Dr. Naim Attiyeh

Faculty of Sciences — Dr. Hasan Musharrafiéh

Faculty of Business Administration — Dr. Kamal Bohsali

Institute of Social Sciences — Dr. Cesar Nasr

Institute of Mass Communication — Sheikh Khalil Jumayyel

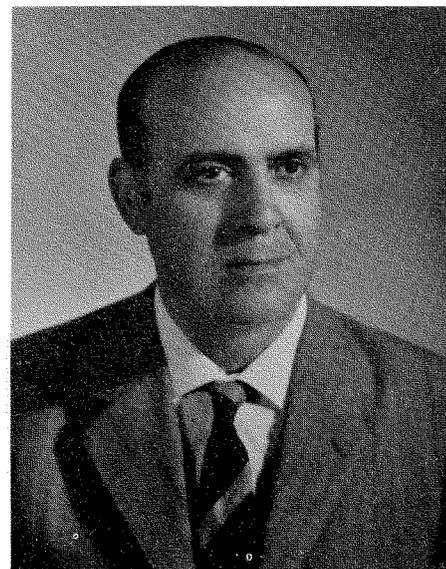
Institute of Fine Arts — Mr. Nicola Nammar

When the University was established in 1951, it had the Institute of Statistics and the Teachers Training College, with 129 students. Within the past few years, however, it developed greatly, with a student enrollment of 12,832 last year. Students this year exceed 14,000.

Its graduates numbered 101 in 1961 and in 1970 their number rose to 2,823. Graduates from the various faculties and institutes of the university now number 3,296.

The University budget has increased from LL.2,075,200 when it was founded to LL.29,800,000 this year. The number of Faculty members at the end of 1971 was 641. Due to the introduction this year of new programs this number is expected to rise.

Prof. Salah El-Monajjed Gives Seminar at AUB



Prof. Salah el-Monajjed is giving a seminar this semester at AUB on "The Sources for the Study of Islam."

A distinguished scholar, historian, and recognized authority on 'manuscript sources,' Prof. Monajjed has written and edited more than a hundred books. His latest book, *Studies in Arabic Palaeography* is a landmark in the history and development of the Arabic script. His concern for the sources of the Arabic and Islamic culture has led him to travel all over the world looking for Arabic manuscripts.

Between 1954 and 1961, as Director of the Institute of Manuscripts at the Arab League, Cairo, Prof. Monajjed established a library containing 35 thousand manuscripts in microfilm, and thus opened a vast opportunity to scholars for exploration and study.

Prof. Monajjed holds the Doctorate in International Law from the Sorbonne. His thesis was on "Law of Diplomacy in Islam."

Born in Damascus in 1920, he has written and edited more than 20 books pertaining to that city. Among them, the *History of Damascus* by Ibn Asakir.

Prof. Monajjed is member of the Academy of the Arabic Language in Cairo and member of the Arab Academy of Baghdad. He has been a visiting professor at the universities of Princeton, Frankfurt, Tehran, and also at Abdul Aziz University of Jidda.

President Kirkwood Lectures on History of AUB

(cont'd from page 1)

his time and efforts to collect the necessary funds for the college from USA, and later from England because of the depreciated condition of the US currency at the time.

President Kirkwood told how an arrangement was reached with Mr. Butrus Bustani to use his National School (*Al-Madrassah Al-Wataniyah*) for college preparation work and also to rent his house, which was next door, as the first home of SPC.

President Kirkwood went on to relate that when the College was opened on Dec. 3, 1866, it had sixteen students and eight faculty members, and that one year later pre-medical and medical subjects were added to the curriculum because of the urgent need for well-trained physicians in the region.

Referring to the laying of the cornerstone of College Hall on Dec 7, 1871 by the Honorable William Earl Dodge, Senior, President Kirkwood quoted the following passage from *The Reminiscences of Daniel Bliss*:

"The College is for all conditions and classes of men, without reference to color, nationality, race, or religion. A man, white, black, or yellow, Christian, Jew, Mohammedan, or Heathen, may enter and enjoy all the advantages of the institution for three, four, or eight years, and go out believing in one God or many gods or no God; but it will be impossible for anyone to continue with us long without knowing what we believe to be the truth and our reasons for that belief."

President Kirkwood went on to speak of each of the presidents of AUB who succeeded Dr. Daniel Bliss, of their particular problems and difficulties, their contributions, their direction and foresight; and their ability to anticipate changes in the world and in education so as to keep AUB up with and even ahead of the times.

Next Wednesday, Nov. 1st, the lecturer will be Prof. Mahmud Zayid. His lecture—at 8:00 p.m. in the Faculty Lounge of Ada Dodge Hall—will be on The Palestine Question.

Panel on Dangers of Smoking



Doctors Abu-Feisal, Fuleihan and Nabhas conducting the panel.

"Smoking and its Dangers" was the subject of a panel discussion held last month at the Alumni Club. Forty people attended including Dr. Khalil Abu-Feisal (AUB) and Dr. Marcel Nahas of the University of St. Joseph. The discussion was led by Dr. Farid Fuleihan.

Some amazing facts were pointed out and discussed by the participants on the dangers of smoking, on why do people smoke and what can be done against this popular killer.

Smoking is probably the most complex method known for administering chemicals to man. There must be at least 1,000 products of this combustion. Of these about 250 have been identified. 15 can cause cancer by some route.

The general term "tobacco disease" has been coined to include the diseases of the lungs, heart, blood vessels and other systems. Together, they constitute the largest group of potentially preventable diseases in medicine today.

The examination of records of patients dying of lung cancer shows that the vast majority are smokers. Incidents of lung cancer are 25 times higher in cigarette smokers, 8-9 times higher in pipe smokers and 3-4 times higher in cigar smokers than in non smokers, not to mention the definite increase in the incidence of other lung diseases like bronchitis and emphysema which cause tragic deaths since they kill very slowly, after years of disability, great discomfort and financial loss.

It was also pointed out that lung damage has been detected in adolescents who smoked less than 10 cigarettes daily for one or two years only; filters are no solution.

Pregnant woman who smoke have a greater incidence of small and premature babies, and may have an increased incidence of spontaneous abortion, infants born dead and neonatal death.

WHY DO PEOPLE SMOKE

This was a main question in the discussion. Most adolescents who start to smoke do so for *psychosocial rewards* motivated by symbolic values of manliness or maturity which cigarette advertisers exploit. The second stage is smoking for *sensory rewards* which is purely for pleasure. The last and most dangerous stage is the *pharmacologic reward* which is derived from inhalation to maintain a constant and high nicotine level in the brain.

WHAT CAN BE DONE

The decision to stop smoking is personal and should stem from a high degree of motivation and strong will-power.

The sad truth is that if governments and private health agencies spend on their anti-smoking campaigns a small fraction of the money that tobacco companies spend on advertising, a great deal could be achieved.

AUB In The Press

THE LOCAL PRESS

The news of the cancer program now in operation at the American University Hospital was last month given much importance in the major local papers. It also received worldwide distribution through AFP (Agence France Presse).

The local French language daily *L'Orient-Le Jour* announced it in a front-page box under the heading: "In Beirut, one death out of nine is caused by cancer." The details of the program appeared in a prominent space on page two of this daily with the following headline:

Cancer, killer No. 2 in Lebanon. The American University Hospital launches a campaign against this disease.

The AUB Weed Science Program was widely reported in the local papers, and the *Voice of America* conducted an interview on this program last month with Prof. Abdur Rahman Saghir of the Faculty of Agricultural Sciences.

The panel on the danger of smoking which was recently held at the Alumni Club was given a special coverage in *An-Nahar* and *Lisan-ul-Hal*.

During the recent Traffic Week in Lebanon, Prof. Nicolas Manasseh of the AUB Faculty of Engineering and Architecture gave two talks and an interview which were broadcast and distributed by the official *National News Agency*. He also participated in a TV panel on the problems of traffic.

THE U.S. PRESS

The Manhattan, Kansas, *Mercury* mentioned that Mr. and Mrs. Steve Spiker left Kansas State University for Beirut where Mr. Spiker has a three-year position with AUB as biology instructor.

Ara Manougian, who received his bachelor of science degree from the American University of Beirut in 1968, has graduated with a doctor of medicine degree from the University of Oklahoma. (*Newburgh, N.Y. News, Beacon, N.Y. News.*)



The *Boston Globe* reported early in September the death of Dr. Edward Delos Churchill, 76. A pioneer in surgery, Dr. Churchill was described as a man of great talent whose contributions to thoracic surgery, to the education of young surgeons and to military medicine have earned him the gratitude of a nation.

During the 1960s he served as instructor and surgeon at the American University of Beirut.



The *Fresno Bee* reported that Dr. Fallah Aljibury, a water research scientist has settled in Fresno, California. Born in Baghdad, Iraq where he received his bachelor of science, he got a scholarship for graduate work to Oregon State University where he obtained his master's in 1958 and his doctorate in 1960. During 1967-68, Dr. Aljibury was a visiting professor to AUB and was sought for consultation by Belgium, Switzerland, Italy, Spain, and Saudi Arabia.

A long report in *America*, New York, N.Y. on the Beirut Seminar on East-West Communications, which was held in Beit Mery, near Beirut, last May, referred to the paper submitted by Prof. Nabil Dajani of the American University of Beirut and John J. Donohue, S.J., of St. Joseph University, Peirut.

U.S. papers reported that during the wave of booby trapped mail in Beirut last July suspicious letters and parcels were X-rayed at the American University Hospital. (*The Christian Science Monitor; Boston, Mass.; The Indianapolis News*. Same news also appeared in the *Evening Herald*, Dublin).



The Tarentum, PA. *Valley News Dispatch* reported that Dr. Nizar N. Oweida has been named chairman of the professional division for the 1972 United Fund (of Western Westmoreland County) Campaign.

Dr. Oweida received his B.A. and M.D. degrees at the American University of Beirut and served his surgery residency in Georgetown University Medical Center, Wash. D.C. He is also a Diplomate-American Board of Surgery, Fellow of the American College of Surgeons and past president of Citizens General Hospital medical staff.

The *San Francisco Chronicle* and *Chicago Tribune* reported a growing interest in world religions at the AUB Department of Religious Studies which has been attracting growing numbers of students; it started out with 80 students in 1967 and now has an enrollment sheet of 458.

... AND THE FOREIGN PRESS

The above item on the AUB Department of Religious Studies also appeared in the *Express and Echo*, Exeter, Devon; *Evening Telegraph and Post*, Dundee, Angus; *Evening Times*, Glasgow; *Express and Star*, Wolverhampton, Staffordshire.

Book by Prof. D. C. Gordon

Two books by AUB Professors N. Khalaf and D. Gordon were recently reviewed in the book review section of the summer issue of the Middle East Journal.

SELF-DETERMINATION AND HISTORY IN THE THIRD WORLD, by David C. Gordon, Princeton University Press, 1971, studies the "conception of history—its use and abuse, its embodiment in myths, its propagation as propaganda and through education of peoples—in a period of what today is fashionably called decolonisation."

The book is divided into four parts. Part One, entitled "Quest for History," describes three different approaches to history: that of (1) the "futurist," who seeks to escape the burden of the past; (2) the "apologist," who looks backward to a golden age, and (3) the "resurrectionist" who believes that a sound future can be created only on the basis of a re-interpreted past.

Part Two, entitled "Uses and Misuses of History," considers the use of myths and symbols to recreate national self-consciousness. Part Three, entitled "The Copernican Revolution," describes the need of colonized people to revise colonialist interpretations of their history.

In Part Four, entitled "History and Self-Determination and Maturity," the author's attitudes are summarized. To the reviewer, this section is clearly the most interesting in the book.

Prof. Kuran is Back From VPI

Prof. Albert A. Kuran, associate professor of mechanical engineering, has returned to AUB after spending a sabbatical year at Virginia Polytechnic Institute, Blacksburg, teaching courses in machine design sequence and doing research. His work in research led to the writing of a paper on "Determination of Torsional Stress in Helical Springs Subjected to Dynamic Loading," which will appear in the November 16, 1972 issue of "Machine Design Journal."

Prof. Kuran did equally well in his teaching assignments as indicated by his exceptionally high score in the survey of students' opinion of teaching conducted at VPI.

School of Pharmacy



The president of the Pharmacy Students Society and fellow students seen with President Kirkwood and Director Haddad.

The Pharmacy Students Society (PSS) held this month its traditional opening reception in honor of the first year pharmacy students and the students placed on the Dean's Honor List for 1971-1972. About 150 persons were present, among them President and Mrs. S.B. Kirkwood, Dean C. Lichtenwalner, Dean R. Najemy, Associate Dean R. Nassif, Director of Personnel Mr. Farid Fuleihan, Director and Mrs. Amin F. Haddad, members of the pharmacy faculty, and others. Following brief ad-

resses of welcome by President Kirkwood, Director Haddad and Mr. Djerjian, President of the PSS, the Director's prize was awarded to Miss Styliani Hadjioannu for attaining the highest grade average (93.59) during 1971-1972. Thirty five first year pharmacy students were made members of the Pharmacy Students Society by awarding them the Society's pin.

Dancing lasted until midnight to the gay tunes played by the "Rain and Tears" Students Orchestra.

In Recognition

of Highest Attainment of Scholarship During 1971-1972

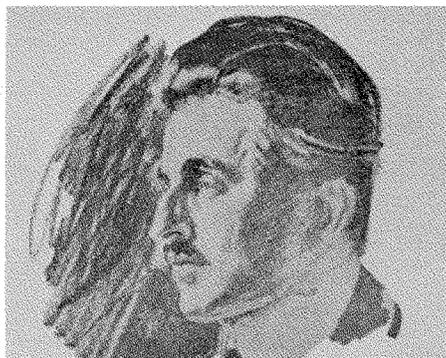
The Dean's Honor List of the SCHOOL OF PHARMACY appears herebelow. To be eligible for the list a student (a) must have earned a minimum grade average of 80, (b) stands in the upper 15% of his/her class, (c) has no failure, (d) has no special condition for promotion, (e) is not repeating, (f) is taking courses equal to at least 5/6 of the credit hours of his/her class, (g) has no disciplinary action against him/her and (h) is deemed worthy by the Director to be on the honor list.

<u>Class of 1972</u>	<u>Grade Average</u>	<u>Class of 1973</u>	<u>Grade Average</u>
Mr. Bilal Munaymnah	84.03	Mr. Pierre Pamboukian	88.17
Mr. George Ktenas	84.00	Mr. Sarkis Aghazarian	87.69
Miss Layla Tayyan	83.31	Miss Wadiah Ramadan	87.29
Miss Setta Kaloustian	83.00	Mr. Nabil Nadir	84.71
<u>Class of 1974</u>		<u>Class of 1975</u>	
Miss Styliani Hadjioannou	93.59	Mr. Suleiman Bahuth	85.88
Miss Hind Sa'di	91.56	Mr. Garo-Karilian-Konyalian	85.88
Miss Margaret Poochikian	91.43	Miss Aida Farhah	83.09
Mr. Abdallah Dimashkiyyah	84.97	Miss Dalida Kebabjian	81.91
Miss Nahla Nassar	83.76	Mr. Vayel Palanciyan	80.42
Miss Randa Dada	81.91	Mr. Bassam Azzam	80.27

Gibran and His Contemporaries A New Course at AUB



Gibran (1883-1931)



Rihani (1876-1940)

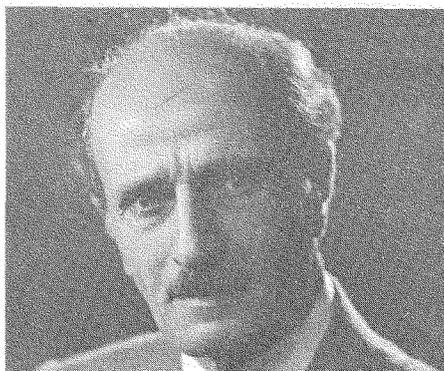
The works by three Lebanese men-of-letters known to the English speaking world are the subject of a course which the English Department of the American University of Beirut is offering this year.

The course, entitled "Kahlil Gibran and his contemporaries," includes Gibran's *The Madman*, *The Prophet*, *Jesus the Son of Man* and *Spirits Rebellious*, Mikhail Naimy's *The Book of Mirdad*, *Kahlil Gibran, Memoirs of A Vagrant Soul*, and *Till We Meet*, and Ameen Rihani's *The Book of Khalid*, *The Chant of the Mystics*, *The Luzumiyat of Abul 'Ald*, and *The Path of Vision*.

This course, introduced for the first time in Lebanon and the Middle East, will be taught by the Chairman of the English Department, Prof. Suheil Bushrui who is an authority on these works, and who has told the BULLETIN that the texts assigned will be studied as "works in their own right and also as documents reflecting the authors' responses to the immediate artistic and cultural problems they faced in

both America and the Arab World."

Prof. Bushrui, who stressed the nature and value of the contact between creative writing and the social, political and intellectual movements in the Arab world and in both America and Europe, explained that this course will illustrate and define the distinctive characteristics of Arab-American literature in the late 19th and early 20th century and will center on the English works of Gibran (1883-1931), Naimy (1889-) and Rihani (1876-1940).



Naimy (1889-)

Id ul Fitr

On the auspicious occasion of Id ul Fitr the BULLETIN wishes its readers all happiness and prosperity.

Id ul Fitr will probably begin on Monday, November 6 or Tuesday, November 7, 1972. The first day of the Feast will be a holiday for Non-Academic Personnel.

Any Employee or Worker who is required to be on duty by reason of regular shift work or for performing essential services on that day will be so advised by his/her supervisor and will be granted a compensatory day off within a period of 45 days from the holiday. In case it is not possible to grant a compensatory day off within a period of 45 days from the holiday, the employee or worker will be paid at the regular pay rate for working on this day.

Over 25 students and five auditors are already registered for this course which will emphasize the three writers' Lebanese heritage and to what extent it has contributed to their artistic personality. The course will also consider the contribution each has made to American literature and their influence on other writers at home and abroad, and will also show how each has absorbed his European experience into his Arab inheritance and how each has used this to enrich his writing.

The Gibran course will be conducted in a variety of lectures (by guest speakers and specialists) seminars, and discussion groups.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 6

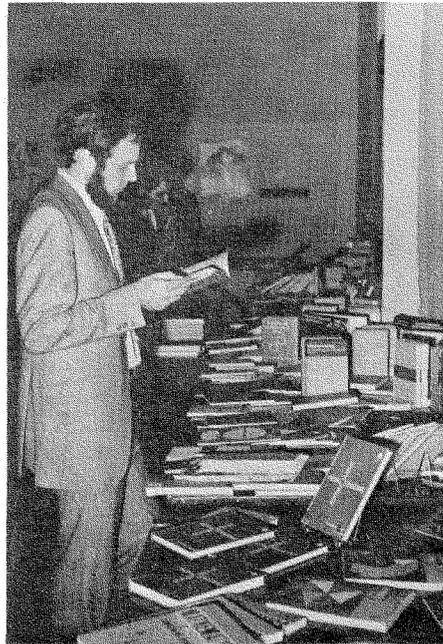
THURSDAY, NOVEMBER 16, 1972

Science and Mathematics Exhibition and Program

Dr. Wadi' Haddad, Director of the Educational Research and Development Center at the Lebanese Ministry of Education opened on Monday the exhibition of books and the program of discussions and films on recent developments in the teaching of Science and Mathematics which is being jointly presented at West Hall by the AUB Science and Mathematics Education Center and the British Council. Admission is free of charge and teachers and students of Education are showing a keen interest in this program which will last until November 23rd.

The exhibition is open daily (except Sunday) from 10:30 a.m. to 7:00 p.m. The remainder of the program is as follows:

1. *Nuffield Biology and Combined Science*
Presentation, Discussion, Films and Comparison with the Lebanese Curriculum. Prof. Y. Namek, Thursday, November 16, 1972, 4:00-6:00 p.m.
2. *Nuffield Elementary and SMP Secondary Mathematics Projects*
Presentation, Films and Discussion. Mr. M. Jurdak, Saturday, November 18, 1972 3:00-5:00 p.m. West Hall Auditorium B.
3. *Nuffield Chemistry and Physics*
Presentation, Films and Discussion. Prof. G. Za'rour, Wednesday, November 22, 1972 3:00-5:00 p.m. West Hall Auditorium B.



Sampling

For further information contact Mr. J. Davies, British Council (Tel. 340157-8) or Prof. G. Za'rour, Director, Science and Mathematics Education Center, AUB (Tel. 340740, ext. 2259).

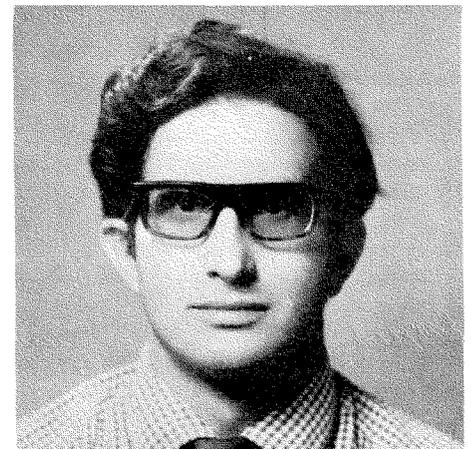
This program is especially designed to acquaint teachers and students of science and mathematics with the modern scientific methods followed in this field. Both Prof. George Za'rour and Mr. J. Davies have announced that they are prepared to supply teachers and students with the necessary information and details.

Lecture Today on "Water and Population"

The SIGMA XI Society and the Faculty of Engineering and Architecture at AUB are sponsoring a lecture on "Water and Population," to be given today, Thursday, at the Science Lecture Hall by Mr. J.W. O'Meara, Director of the Office of Saline Water at the US Department of the Interior.

Mr. O'Meara is widely known in the field of desalination and is member of the US Water Purification Trade Mission.

AUB Advises on Teaching of English in Afghanistan



Prof. Bratton

The Afghan Ministry of Education has been seeking the advice of the American University of Beirut in the preparation of a master plan for the teaching of English in Afghanistan.

Prof. Neil Bratton of the AUB Center for English Language Research and Teaching (CELRT) has declared that CELRT is acting as chief consultant in surveying English teaching in Afghanistan and that he spent six months last year in Kabul to design the nationwide study.

Following three 2-week trips to Kabul this year—in April, June and September—Prof. Bratton submitted his proposals to the Afghan Ministry of Education which involve teacher training colleges, universities and schools (intermediate and primary), and seek to coordinate the activities of the foreign agencies concerned with the study (AID, the British Council, USIS, Peace Corps, Asia Foundation, the Afghan-American Association and UNESCO).

Prof. Bratton believes that having headed the study team, AUB expects its role in the implementation of the program to involve:

— the preparation of Afghan teachers of the English language who either

(cont'd. on page 3)

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

The Reverend Lewis Scudder will be guest preacher on Sunday, November 19.

Wednesday, November 22, **Lebanese Independence Day**, will be a holiday for non-academic personnel.

Any employee or worker who is required to be on duty on that day by reason of regular shift work or for performing essential services, will be so advised by his supervisor.

An unknown person is illegally selling tickets for the Resident Staff Organization Annual Charity Ball of the American University Hospital.

The public is cautioned that Mr. Ziad Bitar is the only person authorized to sell these tickets.

Please do not buy any tickets before you are sure of the identity of Mr. Bitar.

The AUB Department of Religious Studies has sent invitations for two lectures by Dr. Hasan Askari of Osmania University, India, on "Islam in the Indian Context," November 13 and 20, 1972 at 7:30 p.m. Auditorium B, West Hall.

An exhibition of PLASTIC ART, Nov. 20-Dec. 8, will comprise new discoveries in plastic from all over Lebanon, and should provide an index of all that has happened in the plastic world throughout the past few years.

For further information, contact Prof. Carswell.

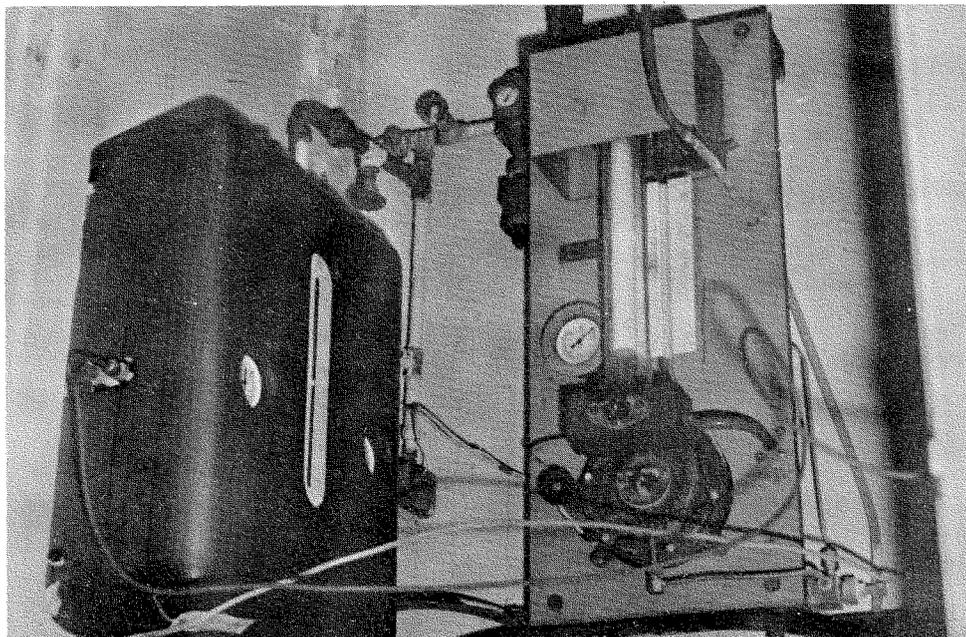
All members of the Women's Association of AUB were invited to spend a morning with Danish Food this week at the Danish Office in Amatory Bldg., Hamra.

An expert Danish lady demonstrated the step by step preparation of a complete buffet dinner, hot and cold dishes, followed by Danish dessert.

FRIDAY, Nov. 17

— CHEMICAL STUDENT SOCIETY — RECEPTION AND PARTY; Ada Dodge Hall, 7:00-11:00 p.m.

AUB Water Supplies



Chlorinator.

Following the news early last month of cholera cases in Syria, and because cholera is basically water-borne, the AUB Department of Environmental Health alerted its staff and requested the Physical Plant personnel to raise the chlorine residual in all drinking water at the University from 0.2 mg/liter (under normal conditions) to 0.4 mg/liter. This practice was also applied at the AUB Farm, and the International College was advised to control their water supply at Mushref.

To assess the bacteriological quality of the University water supplies the water sampling and bacteriological examination program was intensified, and testing for chlorine residual at various locations was conducted to maintain the desired level. So far, the bacteriological examinations have been negative.

In a declaration to the BULLETIN, Prof. Aftim Acra, chairman of the AUB Department of Environmental Health explained that the University Water Distribution System has a dual water supply. One supplies ground water which is used for irrigation only as it contains a high level of salinity.

A recent study of ground water in Beirut, including AUB, indicates that it is polluted, and that sea water intrusion is rapidly increasing as more wells are drilled. AUB community members living outside the campus are probably aware that the majority of the modern tall buildings in town depend largely on ground water. It has been found that in many of these places about two-thirds of

the water supplying a building comes from the ground, the rest being municipal water. Where the drinking water consists of a mixture of water from these two sources it is likely to be polluted and unfit for drinking.

The other supply system receives water directly from the municipal water mains. This water flows into the reservoirs beneath the tennis courts and is rechlorinated as it is pumped out into the roof tanks of New Men's Dormitory for distribution to other buildings having smaller roof tanks. The following AUB buildings, however, are directly connected to the municipal water line and are not rechlorinated:

Annex, Faculty Apartment I, N.M. Dormitory, Gymnasium, Faculty Apartment II — Garden, Dale Hall, Alumni Tennis Courts, Public Health Annex (OPC), Building 56.

The chlorinator at Faculty Apartment I was not in operation and the Physical Plant laid new pipes to supply this building with rechlorinated water from the Medical Center. Plans are also under study to supply Building 56 with rechlorinated water from the Medical Center.

Prof. Acra concluded by pointing out that it would be extremely difficult to have a uniform chlorine residual throughout the Campus because chlorinated water stored in roof tanks would show a gradual decrease in chlorine residual with time. Also, the cold water flowing through the drinking water fountains exhibits a decrease in chlorine residual.

Bomb at West Hall Defused

A bomb was discovered by one of the University janitors early this month at West Hall and was immediately defused.

The janitor was doing his morning work in West Hall when he saw in front of a side door a bomb with a wire attached to it, and beside it a few burnt match sticks. He informed the AUB Safety and Protection Office at once and an employee of this office rushed to West Hall and defused the bomb. The police were immediately informed and an expert arrived and made the necessary investigation.

The University has lodged a case against an unknown and the Safety and Protection Office are taking the necessary precautions and tightening their campus control measures.

AUB Advises on Teaching of English in Afghanistan

(cont'd from page 1)

hold teaching diplomas or masters degrees in English. So far Afghani students have gone to the US and England to study English;

— summer seminars for English language inspectors, and a refresher program for University English professors;

— assistance in the revision of the English textbook series for Afghanistan;

— the secondment of AUB faculty members.

Prof. Bratton says the attitude of Afghan teachers and students towards English is favorable, but there is a need for adequate training through teacher training colleges.

Prof. Bratton concluded by emphasizing the significance of CELRT which is now regarded as the chief source of English language teaching in the Middle East, and which makes its services available to the whole area through its country assistance program. He pointed out that this CELRT activity is undertaken on a contract basis, and is a source of income to AUB.

Prof. Bratton has been in charge of two similar CELRT programs in Kuwait and Morocco and he hopes the Center can also assist the Gulf area in this field.

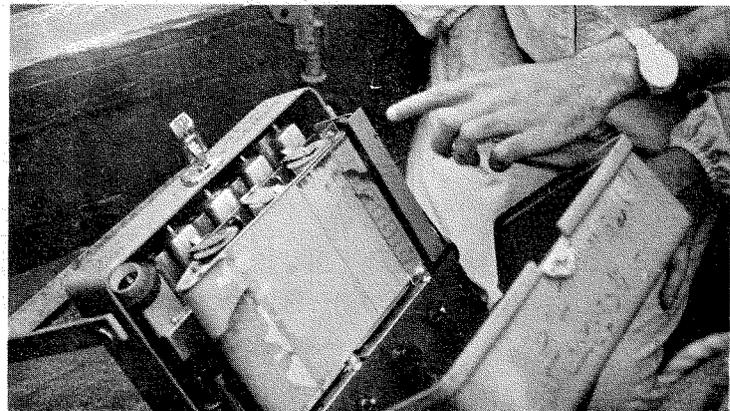
Marine Science Program

One of the newer programs on the AUB campus is the interdepartmental major in Marine Sciences—jointly sponsored by the Departments of Biology and Geology and leading to the BS and MS degrees in Marine Science.

Marine Science is a rapidly developing field of research and university instruction with the major purpose of utilizing the enormous mineral resources and food potentials of the oceans. The proximity of the American University of Beirut to an interesting part of the eastern Mediterranean makes it possible for the departments of Biology and Geology to offer a Marine Science curriculum at the undergraduate and graduate levels.

The Marine Science Program permits AUB to make a valuable contribution to the international program of scientific investigation of the Mediterranean Sea.

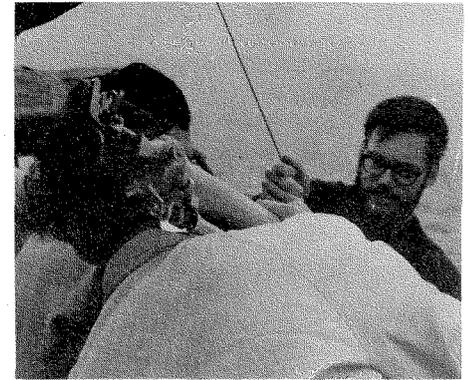
The undergraduate curriculum requires a sequence of courses of basic sciences, primarily geology and biology, preparatory to specialization in Marine Science.



Dr. Tom Goedicke's fathometer and recorder showing part of a trace of the sea bottom.

The graduate program, to be administered by a joint committee from Biology and Geology, permits the student to select any branch of Marine Science. The core courses, which must be in the program of all marine science graduate students, consist of biological, chemical, geological and physical oceanography.

The present effort of the Marine Science program is to provide much needed basic information regarding the marine environment of Lebanon. Temperature, salinity and turbidity readings are taken routinely of the sea water. Chemical analyses are being made of



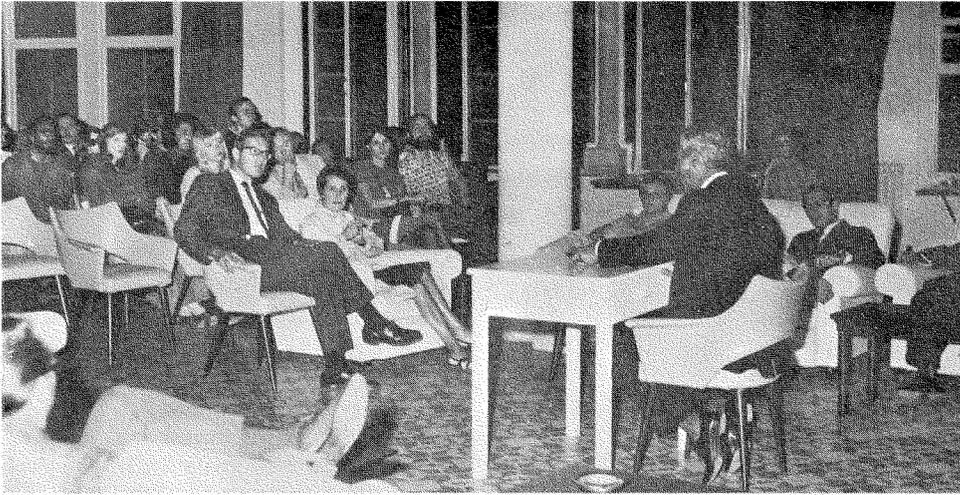
Drs. Makemson and Hayes preparing a Nansen bottle for a cast.

the sea water to determine its mineral content and its capacity to support the microscopic organisms which form the basis of all life in the sea. Studies are being conducted to determine and classify the various algae (non-vascular plants) growing along the coast of Lebanon. Even more specific studies are being made to determine the microscopic animals living among the sand grains in the sandy beaches and how they are related to polluted and nonpolluted marine waters. Dr. Goedicke, with

the use of his ship, the R/V Atoll, is making sound tracings of the sea bottom to determine its topography—his research has already located several previously unknown submarine canyons of the coast of Lebanon. Another facet of research being conducted is the determination of the bacterial organisms existing in the marine waters and their classification.

Two recent marine sciences master's graduates are going on to do their Ph.D. studies in Marine Sciences at the University of California, Santa Cruz and Scripps Oceanographic Institute, La Jolla, California.

Prof. Zayid Lectures on Palestine Question



Prof. Zayid lecturing.

The second lecture in the Area lectures Series was given by Prof. Mahmud Zayid on the first Wednesday of this month at the Faculty Lounge of Ada Dodge Hall. His subject, "The Palestine Question," drew a large audience of members of the community.

Prof. Zayid began by quoting an American historian as saying that while the standards of right and wrong do apply to individual behaviour in the West, they do not apply to the State and still less to relations between states.

Pointing out that the Palestinians have

been the most unfortunate victims of Western international dealing, the lecturer explained that the uprooting of Palestinians has been a terrible blow to all Arabs. He went on to say that the Palestinians, after living uninterruptedly for 14 centuries in their country find themselves reduced to the status of refugees, or second class citizens in Israel or inhabitants of occupied territory. So far, he said, the principle of self-determination, Arab historic rights, Western promises and the homelessness of the refugees have not been enough to stir the conscience of the West.

Leslie Wright Gives Piano Recital



Mr. Leslie Wright, a talented pianist of world repute is giving a piano recital on Monday, November 20, at 8:30 p.m. sharp at the AUB Assembly Hall. His recital will include works by Bach, Beethoven, Mendelssohn, Brahms and Debussy.

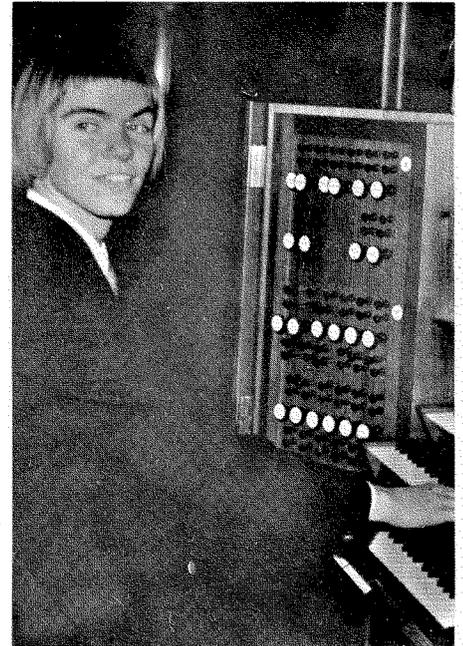
The recital is arranged by the AUB Department of Fine and Performing Arts to introduce this artist to music

lovers in the Lebanon.

Of English origin, Mr. Wright was born in Quito, Ecuador. He has been appointed cultural attaché to the Ecuador Embassy in Paris where he resides.

Mr. Wright has completed three world tours with great success in recent years. His fourth and current world tour includes concerts in Argentina, Mexico, Japan, the Middle East and Europe.

Organ Recital By Flemming Dreisig



Mr. Flemming Dreisig, a young Dane of 21, opened last week the International Organ Concert Series on the newly installed organ at the Assembly Hall. The new 3 manuals 33 stops Baroque organ is a splendid musical instrument built by one of the most distinguished firms in the world, Marcussen and Son of Aabenraa, Denmark, and donated by Mr. B.D. Eddie, member of the AUB Board of Trustees in New York of Lebanese origin—formerly Adib 'Eed from Marjoun, Lebanon.

Mr. Dreisig already enjoys a solid reputation as the youngest organist in the world. He studied first at the Royal Conservatoire of Denmark, and later at the famous Jean Langlais of Paris. Back in Copenhagen, he was organist of Maribo Cathedral.

His recital at the Assembly Hall included works by Bach (several Toccata, fugues and preludes), C. Frank (Cantabile) and M. Dupré (prelude and fugue). Mr. Dreisig has left for Paris en route to New York where he will study at Robert Noehren.

Gwendolyn Prothro

Dean and Mrs. Edwin Terry Prothro have announced the birth of their baby daughter Gwendolyn on November 12th.

His Eminence Imam Musa As-Sadr Honors Iftar Dinner



His Eminence Imam Musa As-Sadr addressing students and their guests.

Last month, the AUB Interdorm Students Committee gave a large *Iftar* dinner which was attended by His Eminence Imam Musa As-Sadr, head of the Shi'a sect in Lebanon, and a number of Moslem religious leaders.

President Samuel B. Kirkwood, who is currently abroad, was represented at the *Iftar* by Prof. E.T. Prothro, Dean of the Faculty of Arts and Sciences. Vice Presidents Dwight C. Monnier and George Hakim, and a good number of AUB professors were also present at the *Iftar* which was attended by around 400 students of various nationalities.

Speaking in the name of the *Iftar* committee, Omar Al-Khatib talked of the noble message symbolized in the month of Ramadan.

His Eminence Imam Musa As-Sadr spoke next. He emphasized the leading role of university students, the country's men of the future, and the great hopes attached to them. He pointed out that the interest shown by students in the

auspicious month of Ramadan calls for optimism and hope.

His Eminence went on to explain that the *Koran* was revealed in Ramadan and that this month witnessed the greatest events in the history of Islam, adding:

"We are looking forward to the day when fasting becomes an established practice in the community which has lost the true meaning of Ramadan. Fasting teaches us meditation and self-control, and makes us feel with the suffering of others."

In concluding, His Eminence thanked the AUB students in his name and in name of His Eminence the Mufti of the Republic of Lebanon, Sheikh Hassan Khalid, and wished them and the administration of the University continued success.

Dean Prothro, who spoke last, congratulated the students for their *Iftar* dinner and stressed the great meaning of this great month.

Award For AUB Alumnus

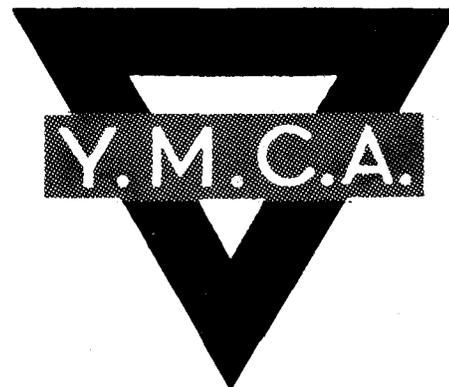
Recently, the American Society for Horticultural Science presented Dr. Aref A. Abdul Baki—a U.S. Department of Agriculture scientist—the Annual National Canners Association Award for his research on causes affecting the quality of fruits or vegetables before they are processed for canning or freezing.

He was able to show that sunlight not only destroys 90 percent of the chlorophyll in ripened lima beans, producing bleached seeds, but also has other serious effects on seed quality that are

not visible. He found that sun-bleached seeds had lost most of their ability to produce proteins and carbohydrates during germination, which most likely accounts for their reduced vigor.

Lebanese born, Dr. Abdul-Baki is an AUB alumnus (1956) who holds a B.S. in Horticulture. He also holds a Ph.D. in physiology of vegetables from the University of Illinois (1964), and is the co-author of a textbook on seed biology, as well as the author of more than 15 scientific publications on seeds.

YMCA Membership Drive



A membership drive by YMCA is underway to help the worthy programs of this organization. Dr. Alfred Diab of AUH and Chairman of the YMCA Development Committee has sent a circular reminding the adult community of the mounting needs of young people which can only be met through more memberships. YMCA projects to help those in need are now in full swing in Borj Hammoud, Tyre, Sidon, Tripoli, and in numerous schools.

Membership rates are to be increased on New Year. Any adult joining during the current membership drive will pay the present reduced rates.

The YMCA facilities for its members include indoor swimming, steam baths, weight control and reduction, slimnastics, ski excursions, karate, badminton, life saving instruction, weight lifting, bridge, skin and scuba diving, water ballet, family nights, camping, a boys' summer camp, seminars, and many more.

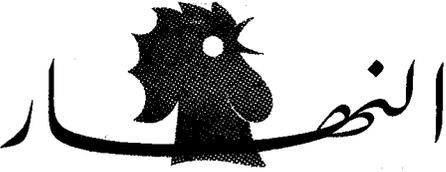
For further information contact YMCA—Phone 312570 or 312560.

Mr. Samir Toubassy Attends Assembly in Denver

Mr. Samir Toubassy, Budget Officer, attended recently the National Center for Higher Education Management Systems' National Assembly in Denver, Colorado. The topics and issues which were presented and discussed centered on institutional concern about planning and management systems in higher education. During his trip to the States, Mr. Toubassy visited several teaching hospitals and received valuable information on current trends in cost allocation procedures at academic health centers.

AUB In The Press

THE LOCAL PRESS



The daily *An-Nabhar* interviewed last month the presidents of the four universities in Lebanon—Dr. Edmond Neem, Rector of the Lebanese University; Dr. Mohammad Hilmi Al-Khauili, President of the Arab University; Father Edouard Mourracadié, new Rector of the University of St. Joseph; and President Samuel B. Kirkwood of AUB.

The interviewer, Maudie Bitar, asked the four presidents to give their views on new trends at modern universities, and on whether a university should prepare a student for a certain profession or instead prepare the student to choose between several professions.

President Kirkwood's replies appear below:

We have to prepare the student for a certain profession, and for several other professions.

At the start of this century, culture was classic and aimed at equipping the individual with an extensive knowledge.

The post World War II technological explosion, however, made peoples go for a type of education which had more variety than in the past. The doctor, for example, could teach medicine and could also practice medicine in a branch he chose from several branches.

AUB prepares a student to be a doctor, as he chooses, but equips him with ramified knowledge. Consequently, it gives the student pre-medical studies which include subjects like history, geography, chemistry, physics, philosophy, literature and biology.

In view of the existing link between the various scientific branches, a specialist cannot really succeed unless he has a general culture. If a person, any person, wants to be effective in his society, he must obtain a wide cultural background which enables him to participate with others in building the society they live in.

The requirements of the Arab world are nearly similar to those of the remaining countries. This world, then, needs precise specialization and

general culture. The advantages of Arab specialization require it to take into consideration the need of the Arab world for it.

If a region lacks good roads, then specialization should be more in civil engineering than in other fields, and so on with regard to other specializations.

The Arab world is like other societies. Moreover, we should remember that the Arabs have greatly contributed towards the enriching of human culture.

As to modern culture, I think it should be general and specialized at the same time. The university should equip the student with a wide background of culture to enable him to occupy a place in his community. It is clear that the present trend is toward specialization but there is nothing worse than a doctor who does not understand poetry.



The *Daily News* of New York interviewed last month Mr. Fathalla Jameel, the Maldives delegate to UNO. The Maldives, smallest of the 132 UNO member states, is a string of 1,087 islands 400 miles southwest of Ceylon. Mr. Jameel revealed that "many Maldivian students are studying in Australia, New Zealand, Japan, the UK, Russia, France and at the American University of Beirut."

The Heritage of New York, N. Y. covered the 22nd. Middle East Medical Assembly held in May at the American University of Beirut.

In a story about the Antiochian Orthodox Church in USA the *Post Star and Times* of Glens Falls, N.Y. quotes Archbishop Michael Shaheen and mentions that he was educated at the American University of Beirut.

Under the heading "A Somatic Quotient" the New York *Pharmacist* reported that Doctors D.S. McLaren and A.A. Kanawati of the Nutrition Research Program of AUB have proposed to modify their original proposal for an "Index of Thriving." They proposed a "Somatic Quotient" or S.Q. which would be similar to I.Q. and D.Q., the Intelligence and the Development quotients.

The proposed S.Q. would express the body development of a child as a percentage standard for age and make it readily comparable to the mental development.

2-Day Strike on Campus

The AUB Student Council called for a strike on Monday and Tuesday, Nov. 13-14, in solidarity with student organizations in other universities and with the Lebanese General Federation of Labour following an armed confrontation involving workers at a big local factory.

The AUB Union of Employees and Workers also issued a statement on Monday afternoon calling on its members — with the exception of those employed at AUH and the AUB Departments of Electricity, Telephone, Water and Safety and Protection — to go on strike on Tuesday.

THE U.S. PRESS

A study of the myopathic variety of arthrogyrosis multiplex congenita (AMC) was recently published in the *Journal of Pediatrics* of St. Louis, MO. The Journal mentioned that the study was made by Vazken M. Der Kaloustian, M.D., Adel K. Afifi, M.D., and Joanne Mire, M.S. of AUB and supported by the Lebanese National Council for Scientific Research, the Commonwealth Fund, and the Medical Research Committee, American University of Beirut.

4386 Students Registered This Year

4386 students have joined the University for this academic year, 1972-73. This figure shows an increase of 252 students, or 6.1% over last year, and 27.54% more than the number of students five years ago.

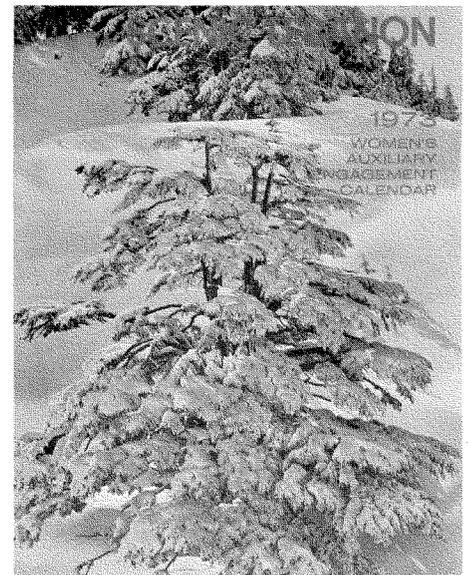
Students registered for the current academic year are distributed as follows:

Faculty of Arts and Sciences		
Graduate	556	
Undergraduate	1974	
Special	96	
	2626	
Faculty of Medical Sciences		
Medicine Graduate	27	
Medicine	244	
Special	18	
	289	
Pharmacy Graduate	5	
Undergraduate	119	
	124	
Nursing		180
Public Health Graduate	32	
Undergraduate	24	
Diploma and Certificate Program	34	90
	683	
Faculty of Engineering and Architecture		
Graduate	76	
Undergraduate	550	
Special	9	
	635	
Faculty of Agricultural Sciences		
Graduate	157	
Undergraduate	140	
Special	17	
	314	
Total Regular Programs		4258
Special Programs		
Orientation Program	105	
X-Ray Program	23	
	128	
Grand Total		4386
Special Evening Programs		
(Registered at Division of Extension and Special Programs)	199	

AUB students this year belong to 69 nationalities. Arab students make up 82% of the total number of students and the proportion of Lebanese students is 53%. Last year, 51% of the students were Lebanese and 80% Arabs.

The Registrar, Dr. Fuad Haddad, has pointed out that AUB is keen to continue its educational function, and to graduate successive generations of Arab young men and women in the various fields of science and research to serve Lebanon and the Arab world. This is evident in the increasing number of Lebanese and Arabs who are graduating from AUB each year.

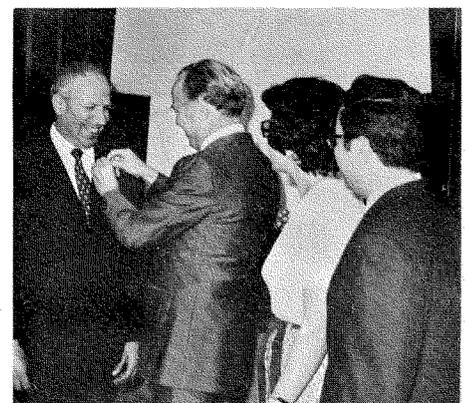
Women's Auxiliary Calendar For 1973



The Women's Auxiliary of the AUB Hospital have produced an attractive Engagement Calendar for 1973 titled *Scenic Lebanon*. The booklet makes an ideal gift during the coming Christmas and New Year season. The proceeds of sales are each year used to help needy patients at the hospital.

Calendars may be ordered and purchased from the Office of Development, Telephone 2477 at the cost of L.L.8.00 each.

Ten-Year Service Pin For Mr. E. Shahla



Dean E. T. Prothro awarding pin to Mr. Shahla.

Mr. Edmund Shahla, Executive Officer of the Faculty of Arts and Sciences was last month awarded the University's ten-year service pin by Dean E.T. Prothro.

The ceremony, held at Dean Prothro's office, was attended by Mrs. Shahla and members of the Dean's Office.

Prof. McClain Opens "Science for the Public" Lectures Series

14

Prof. John W. McClain, Chairman of the AUB Physics Department inaugurated this month the "Science for the Public" lectures series. His lecture, entitled "Being the Right Size," revealed a lot of interesting scientific information about man.

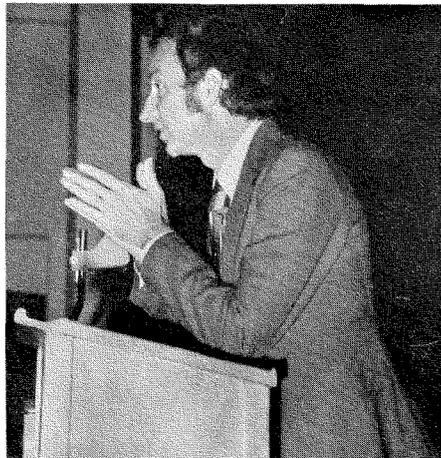
Prof. McClain received his graduate education at Princeton, and has been with AUB since 1957 except for a year of absence (February 1967-February 1968) working on the Harvard Physics Project.

An abstract of Prof. McClain's talk follows:—

If the linear dimensions of a body are increased ten-fold, its surface area becomes 100 times as big and its volume and weight becomes 1,000 times as big. These very simple facts allow us to understand a number of features of the size and shape, and even the internal structure, of different animals.

For example a man 20 meters tall, instead of the normal 2 meters, would break his legs with every step, because although he would weigh 1,000 times as much as a normal man, his legs would be only 100 times as big in cross-sectional area and therefore only 100 times as strong. Such a giant would need disproportionately thick legs—like an elephant. Similarly a man 20 centimeters tall would manage with disproportionately thin legs—like a mouse.

Since larger bodies have a smaller surface-to-volume ratio, one can understand why a very small creature,



Prof. McClain lecturing.

like an amoeba, can obtain enough oxygen by direct absorption through its skin, but larger animals need disproportionately large surfaces to expose to oxygen, in the form of gills or lungs. A similar argument shows that although an amoeba can obtain enough food by direct absorption through its skin, larger animals need large food-absorbing surfaces in the form of long coiled intestines.

The same geometrical principles also explain why a mouse can survive a fall that would kill a man, why getting wet is a dangerous experience for small animals, and why there are no warm-blooded animals in Spitzbergen smaller than a fox.

The talk was supplemented with excellent illustrations and a question period followed.

Books Donation by Family of the Late Dr. Hashem Jawad



Following the tragic death last month of Dr. Hashem Jawad, representative of the UN Development Program and former Iraqi Foreign Affairs minister, his widow and family donated to AUB 1150 books and numerous issues of periodicals from his personal library.

In a letter to Mrs. Jawad, Vice President George Hakim said the University was most grateful for this valuable donation. He described the late Dr. Jawad as one of AUB's distinguished graduates and expressed to his widow and family the University's deepest sympathy in their bereavement.

Mr. Francis L. Kent, AUB Librarian has told the BULLETIN that a first look at the collection shows that it contains a very large proportion of items of general interest which AUB does not possess and which, in view of the present financial stringency would probably never have been able to buy. Each book will carry a memorial bookplate.

The collection also contains much material of specific local importance which will interest Middle East scholars.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To:

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 7

THURSDAY, NOVEMBER 23, 1972

Lebanese Independence Day on Campus

The AUB Lebanese Student League observed this week Lebanon's Independence Day with several ceremonies and invited all AUB students to the celebrations.

At the League's invitation, H.E. the Minister of Information, Mr. Khatchig Babikian arrived on Tuesday noon on campus to plant a cedar tree in front of College Hall.

The campus was decorated with bunting, Lebanese flags and pictures of His Excellency the President of the Republic.

Before proceeding to the site where the ceremony was held, His Excellency was received at Marquand House by Mrs. Samuel B. Kirkwood, the acting President Dean E.T. Prothro, George Bajk President of the Lebanese Student League, Vice President Hakim, Deans of faculties, senior officials of the University and the President and members of the AUB Student Council.

H.E. the Minister of Information delivered the following address which was warmly applauded:

Brethren students,

In the name of the Ministry of Information,

In the name of Lebanon which is visible in your aspirations and eternal in your hearts,

I am pleased to respond to your wish which deeply moved me when you came and asked me to plant a cedar tree in the garden of your university, this lovely spot of knowledge in the land of Lebanon.

In the book of civilization, the Cedars of Lebanon are two marvels: one for knowledge, and one for heroism.

From the Columns of Hercules, to the Valley of the Kings, while nations were in a state of ignorance, the resounding echoes of Phoenician ships and sails were heard carrying cedar wood planks to spread the Alphabet in the world.

Knowledge and heroism are twins in human civilization. Creation would not have been so marvellous had it not been



H.E. the Minister of Information preparing to plant young cedar tree surrounded by l. to r. George Bajk of the Lebanese Student League, Vice President Hakim, Mrs. Samuel B. Kirkwood, Dean E.T. Prothro and Mr. Ramez el Kazen Director General of the Ministry of Information.

for a combination of intellect and spirit, driven by man's courage to spread and establish knowledge and right.

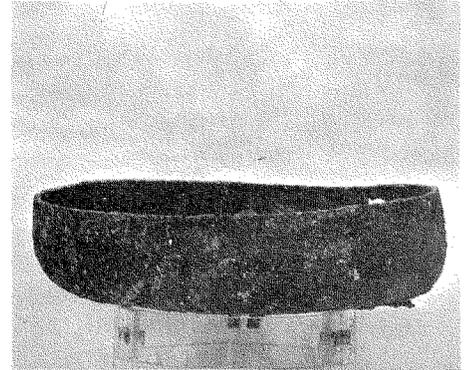
It is a great occasion, on Independence Day, to plant a cedar tree in the temple of knowledge, here on campus, where Lebanese generations have studied for more than a century. A new generation replacing an old one, then being replaced by another, and so on.

The Lord's tree cannot be gladder and more secure than it is here, in this house of knowledge, this University which has opted for Lebanon's inspiration and for the sources of science from faraway lands to light the torch of knowledge.

This place has provided Lebanon with solid bonds and friendships under every sky.

(cont'd. on page 3)

Tell-el-Ghassil Excavations



Bronze bowl dating back to 1600 B.C.

Artefacts dating back to the XVII century B.C. have been discovered by a group of archaeology students from the American University of Beirut. Working at the "Tell-el-Ghassil" site, the students, under the direction of AUB Prof. Dimitri Baramki, have made many important discoveries in recent years. This site is located on the south-west corner of the land which comprises AUB's Agricultural Research and Education Center (AREC) in the Bekaa, 80 kms. from Beirut.

The most significant find this year has been the discovery of a bronze bowl which dates back to 1600 B.C., when the Amorite civilization was flourishing.

Previous discoveries at the site included such items as pottery, painted bowls, bronze arrowheads, needles and

(cont'd. on page 2)

Founders' Day

Founders' Day Convocation will be held on Monday, December 4, 10:00 a.m. at the University Chapel. The speaker will be Prof. Zein Zein.

All members of the faculty, with the rank of Assistant Professor and above, are invited to participate in the procession.

No classes will be held between 10:00 and 11:00 a.m. on that day.

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

PHYSICS SEMINAR

Monday, November 27
4 p.m.

Room 333 Physics Building
Prof. H. Mavromatis

Some Remarks on Energy Bounds and
On the Convergence of Perturbation
Series.

TUESDAY, Nov. 28

— CELLO AND PIANO RECITAL
(Soloists from Erevan), Assembly
Hall, 8:30 p.m. Tickets LL. 10,
7 and 5.

AREA LECTURES SERIES

Prof. Suheil Bushrui
on

ISLAM IN ENGLISH LITERATURE

Wednesday, November 29
8:00 p.m.

Faculty Lounge—Ada Dodge Hall

WEDNESDAY, Nov 29

— SIGMA Xi — LECTURE BY Dr.
H. NOLTENIUS, West Hall —
Auditorium, 8:00 p.m. *By Invitation.*

THURSDAY, Nov. 30

— PIANO RECITAL BY TOMAS
KRAMREITER (Austria), Assem-
bly Hall, 8:30 p.m. Tickets LL.
15, 10 and 7.

SCIENCE FOR THE PUBLIC— LECTURES SERIES

Prof. Jamal T. Manassah
on

THE WORLD OF EXTREMES

Wednesday, December 6
8:00 p.m.
West Hall

Tell - el - Ghassil Excavations

(cont'd. from page 1)

rods. The most interesting artefact uncovered prior to this year was a cylindrical seal that has been dated at 1,000 B.C.

The current excavation has reached a depth of 6.5 meters, which means that the artefacts now being unearthed belong to the Late Bronze Age.

Prof. Baramki expects the excavation to continue over the coming years until a depth of ten meters is reached.

"Tell-el-Ghassil" has been under study since 1956. All artefacts discovered at this site are on display at the University's Archaeology Museum on campus.

allocations from University funds, as well as through gifts and donations from the University's alumni and friends. The Museum now finds itself in the somewhat enviable position of being able to dispense with purchases of any but the most essential artefacts which have an educational value and merit, or which form valuable groups of finds from known localities.

A museum of archaeology cannot remain static, and the Museum at AUB does not intend to do so. As growth by purchase is to be deprecated, growth at the AUB Museum will be by acquisi-



Digging up the civilization of the ancient Near East.

This museum, which was begun in 1868, contains a selection of archaeological discoveries which date from the Early Stone Age down to relatively recent times. Over 9,000 artefacts of various types are on display, together with a very valuable collection of more than 10,000 ancient coins. Inasmuch as these artefacts come from Iraq, Iran, Syria, Phoenicia, Cyprus, Egypt, and Palestine, the AUB Museum is perhaps unequalled and indispensable for a comparative study of the ancient cultures of the Near East.

The acquisition of items for the Museum has been made possible through

tions from archaeological excavations conducted by the University itself.

Through such acquisitions which will greatly enhance the scientific value of its collection, AUB will be serving the interests of archaeology and making valuable contributions to the study of the ancient Near East. It has already made a good start by bringing to light a hitherto unknown culture at "Tell-al-Ghassil."

The Archaeological Museum at AUB is open to the public throughout the school year, except during examination periods. Admission is free.

Independence Day on Campus

(cont'd. from page 1)

What ecstasy for this cedar tree to be growing with young people who have a historic responsibility at this cross-road, between the achievements of past ages and the dawning of the 21st century.

The young people who look at the homeland with new dynamism, and who believe in bold giant steps to penetrate the universe and man's knowledge.

The Cedars, the University, and the young people. This is the Lebanese trinity since 5,000 years which embodies the true meaning of our independence.

Cedar trees which are noble, solid and glorious, and which are symbolized by

mocratic atmosphere to express their views and beliefs.

The Lebanese Student League, he said, is pleased to see its members and all the student body of AUB work hand in hand with their fellow students in Lebanon's universities in the service of science and education, of right and truth, to provide Lebanon and all the Arabs with generations of men and women armed with scientific knowledge and with belief in right and justice.

In concluding, George Bajk thanked H.E. the Minister of Information for honoring the ceremony. He prayed the



L. to r. George Bajk, Vice President Hakim, Mrs. Samuel B. Kirkwood, H.E. the Minister of Information Mr. Khatchig Babikian, Mr. Ramez el Khazen Director General of the Ministry of Information, Dean E.T. Prothro.

our beloved President, Mr. Sleiman Franjeh. A University which is human knowledge, research and creativity. Young people with a heroic role ahead of them in building the future to which our generations aspire.

In his speech of welcome at the ceremony, student George Bajk, President of the AUB Lebanese Student League stressed the great meaning of Independence Day and of the freedom which the people of Lebanon are enjoying.

He pointed out that on this national occasion the Lebanese Student League is proud to praise the University which provides its students with the right de-

Almighty to protect Lebanon and enable it to proceed with its message of freedom under the leadership of His Excellency President Sleiman Franjeh.

The day before, Monday, a reception at West Hall was preceded by an hour of documentary films.

On the evening of the same day, "The Future of Lebanon" was the subject of a panel discussion which was held at the Beirut College for Women. Participants were Messrs. Edmond Rizk, Michael Dahir and Zeki Mazboudi, with Mr. Bashir Aridi as moderator.

On Wednesday, November 22nd, — INDEPENDENCE DAY — the League gave a big reception at the Carlton Hotel.

Prof. Khoury on Factory Maintenance

Prof. Shahwan Khoury, associate professor of electrical engineering gave a conference last month at the Institute of Industry in Beirut during the CHEM-EX '72 which was sponsored by the Lebanese Syndicate of Chemists. His subject, "Factory Maintenance: Electric Power and Lighting," dealt with a program for the detection and prevention of electric system breakdowns.

Prof. Hamdan at Conference in Montreal

A paper entitled, "The Bivariate Binomial Distribution with Unequal Marginal Indices: Canonical Expansion and Parameter Estimation," was presented last summer by Prof. Mohammad A. Hamdan of the AUB Department of Mathematics when he attended in Montreal, Canada, the 132nd Annual Meeting of the American Statistical Association.

Oedipus Rex

Sophocles' *Oedipus Rex* will be the first production in a varied program which is planned for the current year by the Drama Section of the AUB Department of Fine and Performing Arts.

This play, which is one of the best-loved Greek tragedies, is to be staged in cooperation with the Drama Department of the Beirut College for Women under the supervision of Dr. Irene Faffler and Maurice Malouf.

It will be presented in the new Gulbenkian Amphitheater at BCW from Nov. 30 to December 9. This theater provides an appropriate setting for this play which has fascinated audiences of all ages. Full use is being made of music, lighting effects, costumes and movement to bring this great play to life and make it contemporary.

Peter Shebaya is directing the evening, with David Kurani designing and Krikor Satamian in charge of the technical side of the production. Mr. Joseph Matola is creating the costumes and Prof. James Laster is providing the music.

After this joint production with BCW, Krikor Satamian of the AUB open-air theater, which last year successfully presented Shakespeare's *As You Like It*, will start preparations for the production of George Shehadeh's *Vasco* at the end of next May.

University English Programs for the 70s

Dr. W.R. Lee, Editor of *English Teaching*, was the guest panelist at a meeting held last month in West Hall under the auspices of the Association of University Teachers of English in the Arab World and the AUB English Department.

The panel included Prof. Suheil Bushrui, Chairman of the AUB English Department, Dr. Raja Nasr, Chairman of the BCW English Department, and Prof. Ralph H. Brown of the AUB Center for English Language Research and Teaching (CELRT).

The theme of the panel discussion was "University English Programs for the Seventies."

One of Dr. Lee's most perceptive remarks was his contention that foreign-language syllabus, for whatever level of instruction, is not a teaching instrument and should not be so considered. It should relate a foreign language to the student's life and interests, thus motivating him to learn it.

Dr. Lee's visit was sponsored by the British Council.

Ras - Beirut Social Health Center

The Social Health Center in Ras-Beirut provided in August and September a variety of regular services such as home visits, clinics, classes, sanitation inspections, immunizations and laboratory examinations.

Below is a breakdown of these activities:

- 289 home visits including health supervision, maternity care and therapy.
- 34 baby clinics which examined 303 babies.
- 16 adult clinics which were attended by 84 men and women.

The Social Health Center also arranged a number of classes for mothers, along with antenatal classes, including slide shows, demonstrations and discussions.

357 premises—houses, restaurants, groceries, laundries, bakeries, hotels, food processing plants, beaches and schools—were inspected. The center also provided 1024 immunizations to typhoid, polio, diphtheria, cholera, tetanus, small pox, gamma globulin, measles and triple vaccine.

212 laboratory examinations were made at the Center and the AUH.

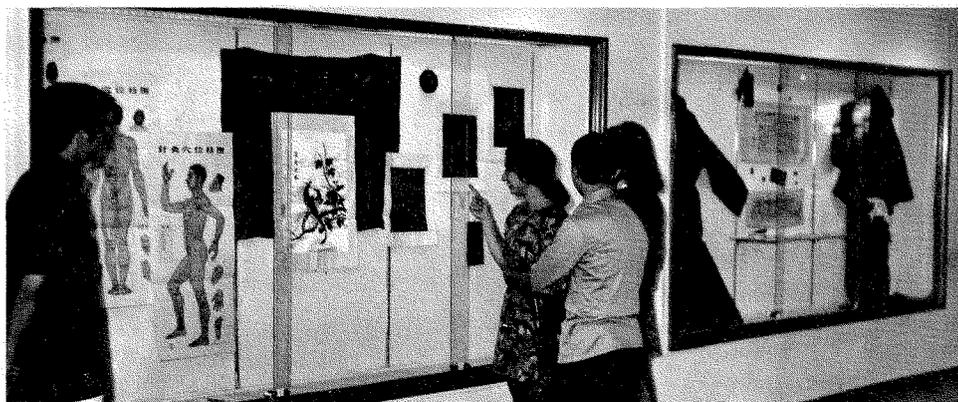
Service Pins Awards at Comptroller's Office



L. to r. Mr. K. Haikal, Mr. Cecil Kirkis, Mrs. Nawal Asswad, Mr. Farid A. Fuleihan and Mr. Albert Madany.

Mr. Albert M. Madany of the Comptroller's Office, and Mrs. Nawal Asswad of the Computer Center were respectively awarded the 25 and 10 year service pins by Mr. Farid A. Fuleihan, Director of Personnel, and Mr. Cecil Kirkis, Director of the Computer Center at a ceremony last week at the Comptroller's Office. The acting President, Dean Edwin Terry Prothro, Vice President George Hakim and Provost Samir Thabet were present.

Chinese Crafts Exhibition



Traditional crafts which continue to be produced in the expanding industrial programs of "New China" were this month displayed at the gallery of the AUB Central (Jafet Memorial) Library.

The items on show represented some of the mass produced folk crafts which the Chinese government has been encouraging for export purposes. Among the reproductions of old paintings one was of a place in the old tradition, and another of the same place in the new one. Illustrated poems were also exhibited together with the writing instruments used to produce them, and these interesting works were stamped with especially made China seals which add to their value and indicate their ownership.

Other exhibits showed the ancient and the new, the traditional silk robe of the

scholar and beside it the worker's outfit, and included an acupuncture chart.

Acupuncture is a Chinese medical practice which resorts to sticking thin needles of different lengths in the body to relieve a patient's pain, cure him, or stimulate his reflexes. The parts of the body where these needles are stuck need not be the precise spots where the pain is felt. The chart points out how and where needles are stuck—say in the foot to cure a shoulder ailment. This Chinese medical practise is now being studied scientifically.

The display was sponsored by the AUB Special Evening Programs. Mr. Charles Oliver, who gives a course on Modern China was personally in charge of this display.

Prof. N. Dajani Attends UNESCO Meeting

Prof. Nabil H. Dajani, returned this month from Davao City, Philippines where he attended a week-long meeting of a UNESCO panel of experts on research in family planning communication.

The Philippines panel meeting is the second of a series of four scheduled by UNESCO to examine problems of family planning communication. Prof. Dajani was appointed member of this UNESCO panel of experts on research in family planning communication last summer.

The Davao City meeting was concerned mainly with examining the need for a research basis in family planning communication and program strategies. It identified nine priority research areas and suggested a viable plan for the formulation and implementation of family planning projects. It also made recommendations as to the role UNESCO could play in this area. The report of this panel is now being edited and will soon be distributed to all UNESCO member states.

Based on the recommendations of the panel, the UNESCO secretariat has initially endorsed a research program in family planning communication for Lebanon and indicated its willingness to support an AUB based program under the supervision of Prof. Dajani. The details of this research program will be worked out within the next few months.

Volunteers to Read For Blind Students

There is a need for volunteers to read for blind students at AUB. For further information please contact Mrs. William Ward — T'phone: 346249.

Inaugural Lecture of The Byron Porter Smith Series

The AUB Department of English and the Division of Extension and Special Programs cordially invite you to attend the Byron Porter Smith Lecture Series, 1972-1973. Inaugural lecture: *The Voices in Chaucer's "Nun's Priest's Tale"* by D. Cook. Wednesday, November 29, 1972 — 7:30 p.m., Lecture Room, West Hall, AUB Campus.

Dr. N. T. Nassar On "Health Problems of the Area"

"Health Problems of the Area" was the subject of the fourth talk in the Area Lectures Series program given last week by Dr. Nabil T. Nassar, Lecturer in Internal Medicine and Director of the University Health Service.

Dr. Nassar began by explaining that the nations of the area East of the Mediterranean fall in the economically underdeveloped group category which includes two thirds of the world population and have a low per capita income of \$100-150.

He went on to speak of the denominator common to these nations which by itself breeds disease, and which includes such problems as poverty, low educational level, over-crowding, hunger, poor sanitation and a rapid population growth.

He added that the poor health situation is further augmented by the unbalanced state of medical and other health manpower. According to WHO figures, he said, the doctor to population ratio stands between 1:1000 and 1:5000 in 25% of the Eastern Mediterranean countries, and 1 to 10,000 and more in the remaining 75%. Pointing out that the 35 medical schools in this region of 370 million people graduate some 3,500 physicians every year, Dr. Nassar said this is terribly insufficient.

Dr. Nassar presented a preferential listing of the current health problems of the developing countries which are common to all Eastern Mediterranean countries, and compared them with their counterpart in the developed countries.

Speaking of the acute communicable diseases such as tuberculosis, meningitis and poliomyelitis, he said that more often than not these illnesses lead to chronic conditions in all age groups. In the developed nations, however, these diseases have become secondary and are replaced by chronic diseases and disabilities such as cancer, heart and cerebro-vascular disease, mental disorders, alcoholism and diseases of the aged.

The conditions resulting mainly from poor sanitation were also discussed by Dr. Nassar who mentioned typhoid and cholera as being the product of contamination of food and water.



Dr. Nabil T. Nassar lecturing.

On the subject of child and maternal health, Dr. Nassar stated that the developing nations are trying to decrease the mortality of mothers at delivery and the infant mortality rate, while the developed nations, having done very well in this aspect are now directing all their attention and effort to the physically and mentally handicapped child and to the development of better preschool and school health programs.

Dr. Nassar went on to discuss malnutrition, stressing that hunger in many of the developing nations is not always hunger for food but rather hunger for the right kind of food, and that this calls for the education of mothers.

Four percent of Lebanese children, he said, suffer from malnutrition—i.e. 4,000 new cases of malnutrition in the country every year. According to WHO projections, 330 mn. children will suffer from malnutrition in the developing countries by 1975 should present conditions persist.

In concluding, he quoted recent figures on water pollution with bacteria which showed that most of the Lebanese coast is contaminated by human excreta. Fortunately, he added, the degree of contamination drops to safe levels during the swimming months in most beaches, including the AUB beach.

AUB In The Press

THE LOCAL PRESS



During the *Id ul Fitr* holidays early this month, 60 AUB men and women students left Beirut for Hasbaya in South Lebanon where they spent two days in a work camp organized by the Civic Welfare League of the University. They built a shelter which can accommodate 50 persons and repaired three houses damaged in recent Israeli attacks.

This news was given wide space with pictures in the local press. Headlines read: AUB Men and Women Students Build Shelter and Repair Three Houses In Hasbaya.

An-Nabar mentioned that Prof. Walid Khalidy of AUB spoke of the "international content of political and human developments in the Middle East" at a conference of American graduates of Arab origin in the US which was held this month in Berkeley, California.

The recital given by the young Danish organist Flemming Dreisig on the newly installed organ at the Assembly Hall was reported in *L'Orient-Le Jour* which pointed out that the young Dane inaugurated the Danish made organ.

Last week, the campus publication *Outlook* stressed, in its Arabic version, the importance of the Speakers Corner for enabling students to express their views. *Outlook* said students must be objective in their speeches, and pointed out that the Students Corner is for all groups.

The Ford Foundation grant of \$150,000 for the environmental research program of the Lebanese National Council for Scientific Research, was last week reported in the local press.

The Council's research programs are planned by committees composed of scientists from the Lebanese University, AUB, the Beirut Arab University, the University of St. Joseph, and of representatives of various Government departments.

During the past year, these committees prepared programs and studies related to pollution, urbanism, insecticides, and others.



The anniversary of Jawaharlal Nehru was celebrated last week at the Beirut College for Women. *An-Nabar*, which covered the event, published a picture of AUB Vice President George Hakim handing a prize to a secondary school girl student who spoke of Nehru at the ceremony.

The news of the bomb which was discovered at West Hall and defused early this month was reported in the local press. It was also distributed by the official National News Agency, and was broadcast and telecast. In reporting the news, *L'Orient-Le Jour* said a "horrible tragedy was fortunately avoided."



The influential weekly *Al-Hawadeess* devoted its center-spread and three additional pages last week, with several coloured pictures, to an article in praise of the services rendered by the AUH X-Ray Department.

THE U.S. PRESS

The following passage has appeared in a report in *Foundation News* of New York on the American Association of Fund-Raising Council:

The Tax Reform Act severely limits deductions for a gift of tangible personal property unless the property is used by the charity directly for IRS exempt functions. With that observation in mind, the American University of Beirut *Newsletter* told its readers: "If you are preparing your will, and if you own a camel, cow or water buffalo but don't know what to do with it, consider the AUB. Its needs are manifold. Its experimental work praiseworthy. It may well have use for a camel, a cow or a water buffalo, perhaps even an entire herd."

Mr. Joseph C. McCloskey, recently appointed Vice-Principal of the Clearview High School is reported by Pitman, N.J. *Review* to have attended AUB in 1964 on a Fulbright Scholarship.

The Jackson Daily News devotes a full page to a review of an exhibition by eight members of the Art Department staff of Jackson State College, among them Zareh Maranian, "educated at the American University of Beirut, and currently Assistant Professor of Art at Jackson State."

AUB Participates in International Book Year

On the occasion of the "International Book Year" the Lebanese Library Association sent invitations to attend the following activities:

- 1 — Panel discussion in English concerning the "development of reading interests," which was held this week at West Hall. Participants were:

Yusuf al-Khal — AUB graduate, author and publisher; E.P. Dudley — Principal, Department of Librarianship, North London Polytechnic (British Council Visitor); Peter Kilburn — Chief Acquisitions Librarian, AUB; Francis Kent — AUB University Librarian (Moderator).

- 2 — Ten minutes of a T.V. program (*Sijil Maftoub*) Channel 11 to be given on November 30th at 8:00 p.m.

- 3 — Informal discussion in Arabic with librarians on their impressions and their future expectations in the field of librarianship, to be held at the Faculty of Law, Lebanese University — Sanayeh — on Wednesday 13th December, at 7:00 p.m.

Participants: Samira Rafidi — Librarian, BCW; Ahmad Kotb — Librarian, Beirut Arab University; Yusuf Dagher — Bibliographer and scholar; Yusuf Khoury — Chief Reference Librarian, AUB; Hussein Rif'at — Librarian, Lebanese University (Moderator).

The following members of the AUB Library staff are council members of the Lebanese Library Association: Mrs. Aida Naaman — Catalog Librarian; Mrs. Nawal Mikdashi — Reference Librarian; Miss Linda Sadaka — Head, Gifts and Exchange Section.

Tennis Finals

The finals of the Lebanon Interclubs Championship in Tennis were played this month on the Ta'adod Courts between the AUB Alumni Club and the Renaissance Club teams.

The Alumni Club Team was made up of the following players: Samir Khoury, Ahmad Ramadan, Francis Samuel, Alain Wilkinson, and Eric Wilkinson.

The Alumni Club Team won by 3-2 games, and retained the championship title. The Club has held this championship for the past 5 years running.

Medical Alumni Association Hosts Medical Meeting



Dr. John Malak addressing meeting.

Members of the Syrian Medical Association and of the medical alumni associations of AUB and the University of St. Joseph held their bi-annual medical meeting this month at the AUB Alumni Club. Forty professors and doctors from Syria attended.

The President of the AUB Medical Alumni Association, Dr. John Malak explained that two such meetings have been held annually for the past five years or more—in November, in Beirut, and in

the spring, in Damascus.

The three participants, Dr. Farid Fuleihan of AUB, Dr. Marcel Nahhas of the University of St. Joseph and Dr. Munzer Dakkak of Damascus spoke respectively of the AUH Intensive Care Unit, heart diseases and cancer of the stomach.

Members of the Syrian delegation also made medical rounds at AUH and participated in discussing an internal medicine case.

"Let Us Enquire About Him" !



A scene from the comedy "Khelleena Nes'al Anno."

Khelleena Nes'al Anno (let us enquire about him) is a musical comedy which is running for six weeks — until December 10th — at the Baalbeck Festival Theater in town.

The play, in Arabic, is about a young man and woman who fall in love and want to get married, and the problems they face.

The story was written in English by Mr. Allen Hovey of AUB's Department

of Fine and Performing Arts. It was translated into Arabic by Kifah Fakhury, a graduate student of the AUB Department of Education who also wrote the music for it.

The English language publications *The Daily Star* and the weekly *Monday Morning* described the play in these terms: "The result of a colossal effort," "It could take Beirut by storm."

AUH Women's Auxiliary

Eversince it was founded almost 25 years ago, the Women's Auxiliary of the American University Hospital has been an increasingly active and expanding body of volunteers who serve the interests of the Hospital and its patients. The main purpose of the Auxiliary is to raise funds for needy patients and other hospital functions.

At its Board meeting this month, the

Last year the Auxiliary donated LL.25,000 out of a total contribution of LL.75,000 towards these special programs.

The Auxiliary's publicity chairman, Mrs. Cyril Esseily, took the BULLETIN reporter around to see the services which the volunteers perform to raise the necessary funds for donations.



Registering the cash.



The Coffee Shop.

Auxiliary decided to contribute monthly to the hospital LL.3,000 for social-medical work, LL.500 for the rehabilitation program and LL.600 for family planning.

The special assistance for emergency cases is to be discontinued, and the hospital's urgent need for funds for special programs (kidney and heart) will be continued when funds become available.

At the Coffee Shop which is in the main lobby of the hospital, the volunteers, in their pink uniforms and caps, serve refreshments and light meals. The proceeds of the shop amounted to LL.40,000 last year.

On the first floor of the hospital, these ladies help with the filing system of the emergency room when they have no other work to do, and because of the

shortage of nurses, they perform other routine duties. They take care of the escort service, comfort the patients, assist doctors in clinics, entertain and feed children, and prepare surgical dressings. There is, however, an evident need for Arabic speaking volunteers to assist in the escort service and to entertain children patients, and it is hoped that more Arab ladies will join the Auxiliary.

Apart from serving in the Coffee Shop, the volunteers run the Bargain Box—a small shop in the Alumni Club building off Abdul Aziz Street which deals in second hand clothes—print and sell a calendar, and organize Bridge mornings.

Last year, the Auxiliary's donations to the hospital amounted to LL.50,000, but this sum is expected to double over the next few years.

The presidency of the Auxiliary alternates every two years between an American and a Lebanese. Last June, Mrs. Drucker was elected president for a two-year term. The next president will be a Lebanese.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 8

THURSDAY, NOVEMBER 30, 1972

Dean Lichtenwalner Lectures on AUB International Health Programs

The International Health Programs of the American University of Beirut were the subject of a long lecture which Dr. Craig S. Lichtenwalner, Dean of the AUB Faculty of Medical Sciences presented this month at a meeting of the International Health Society of the United States in Atlantic City.

Commitment to Medical Education of High Quality

Dean Lichtenwalner began his lecture by speaking of the historical background of the AUB Faculty of Medical Sciences which was established in 1867, and whose members are an international group with a majority of nationals of Lebanon and nearby countries. He pointed out that from the very beginning, the School of Medicine committed itself to medical education of high quality by requiring a four-year program when few medical schools, even in the US, offered more than a three-year course.

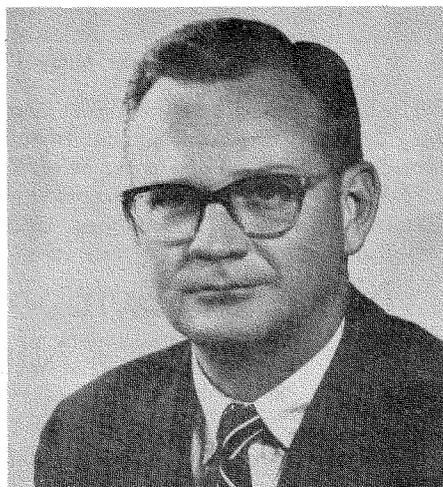
A School of Pharmacy was added just a hundred years ago in 1872. This was followed by the School of Nursing in 1905 and, much more recently, the School of Public Health in 1954. A dental school functioned between 1910 and 1940. Two years ago, the University occupied its splendid new medical center of a 420-bed hospital, facilities for ambulatory patients, and academic and research areas for the clinical departments of the medical school.

Founders' Day

Founders' Day Convocation will be held on Monday, December 4, 10:00 a.m. at the University Chapel. The speaker will be Prof. Zeine Zeine.

All members of the faculty, with the rank of Assistant Professor and above, are invited to participate in the procession.

No classes will be held between 10:00 and 11:00 a.m. on that day.



Dean Craig S. Lichtenwalner

Dean Lichtenwalner went on to speak of the international health activities of AUB, describing at length the regular educational programs of the Faculty of Medical Sciences, and pointing out that the School of Medicine is an institutional member of the Association of American Medical Colleges and that the University Hospital is accredited by the Joint Commission on Accreditation of Hospitals.

To complete his listing of the Faculty's educational offerings, Dean Lichtenwalner added that the University Hospital also provides training opportunities for X-Ray technicians, laboratory technicians, and practical nurses, and that these programs, which were started with the main goal of meeting the Hospital needs, have now become available to the whole area.

Special Regional Programs

Describing the education and training in the health sciences of thousands of young people from the countries of the region as the principal international

(cont'd. on page 6)

Mr. Najeeb E. Halaby Elected AUB Trustee



Mr. Najeeb E. Halaby

Mr. Najeeb E. Halaby, member of the Board of Directors of Pan American World Airways and prominent public servant, was unanimously elected this week to the Board of Trustees of the American University of Beirut. Dr. Calvin H. Plimpton, Chairman of the Board of Trustees, in announcing Mr. Halaby's election, said that Mr. Halaby, who is of Lebanese origin and who enjoys an international reputation, will certainly be of great assistance in promoting AUB's educational role in the Middle East.

University President Samuel B. Kirkwood, returning to Beirut from the Board meeting in New York, has also welcomed Mr. Halaby's election. President Kirkwood said: "We are delighted at Mr. Halaby's election to the Board. His heritage, exceptional talents, and his worldwide experience give him a perspective which is invaluable to the AUB at present and for the years ahead."

Mr. Halaby, who is on a private visit to Beirut and the Middle East, has declared: "This honor has come to me

(cont'd. on page 4)

OUR NOTICE BOARD**University Chapel Services**

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

The Reverend Larry Richards of the University Christian Center will be the guest preacher on Sunday, December 3.

●
**SCIENCE FOR THE PUBLIC
LECTURES SERIES**

Prof. Jamal T. Manassah
on

THE WORLD OF EXTREMES

Wednesday, December 6
8:00 p.m.
West Hall

●
AREA LECTURES SERIES

Prof. George Zarour
on

EDUCATION IN THE AREA

Wednesday, December 6
8:00 p.m.
Faculty Lounge — Ada Dodge Hall

●
**BEN JONSON QUATERCENTENARY
LECTURE AND FILM**

Prof. Douglas Duncan on Ben Jonson (Wednesday, December 6 — 7:30 p.m. — Faculty Lounge) and the film *VOLPONE* (Thursday, December 7 — 7:30 p.m. — West Hall).

Tickets for film free of charge from the English Department, AUB.

●
The Women's Association of AUB is holding a Christmas party for the children of its members on Thursday, December 14.

President Samuel B. Kirkwood will light the Christmas tree by the Main Gate at 5:15 p.m. before the party takes place in West Hall.

Further announcements and details will be published.

●
CHRISTMAS MUSICALE is set for Sunday, December 17 at 5:15 p.m.— Assembly Hall.

Tickets at West Hall Office.

Prices: LL. 5 — 3 — 1.

Net proceeds to Fine and Performing Arts Department — **Student Scholarship Fund.**

Farewell Reception in Honor of Rev. and Mrs. R. A. Swedenburg



The Apostolic Nuncio presenting his good wishes.

The Community Church of Beirut gave a big farewell reception in honor of the Reverend and Mrs. Romain A. Swedenburg last week at the Beaurivage Hotel in town. Reverend Swedenburg was

pastor of the Community Church for nine years and is well-known to many members of the AUB community who wish him and Mrs. Swedenburg the best of luck.

National Symposium on Food and Nutrition



L. to r.: Dr. Asfour, Dr. Darby, Minister of Planning, and UNICEF representative.

The Second National Symposium on Food and Nutrition was last week opened by H.E. the Minister of Planning, Dr. Georges Saadé, at the Lebanese University Faculty of Law.

AUB experts in the sciences of food and nutrition were among the leading speakers at the 3-day symposium, and Dr. Raia Asfour of the AUB Department of Pediatrics and President of the Lebanese Nutrition Society was one of the major organizers of this symposium. The guest of honor was Dr. William G. Darby, the well-known international expert and President of the Nutrition Foundation in the US. Dr. Darby is working with Dr. Asfour on a basic research project on folic acid requirement among children.

The main topic of the symposium, "Proteins in Food and Nutrition," included food production, supply industry

control, and several human aspects of protein nutrition. The sessions on protein production and supply were chaired by Professors Salah Abu Shakra, Raja Tannous, Joseph Asmar, Salim Akrabawi, and A.A. Hallab, all from the AUB Faculty of Agricultural Sciences, and the session on the human nutritional aspects was chaired by Dr. Jamal K. Harfouche, Chairman of the AUB Department of Community Health Practice.

The symposium was widely covered by the various news media—TV, radio and the press. In a declaration to the *BULLETIN*, Dr. Asfour described the symposium as one of the various activities of the Lebanese Society for Food and Nutrition and a most effective and productive mechanism of enabling Lebanese experts in nutrition to exchange views and review their efforts in this field.

Prof. F. B. Gillie New Faculty Member



Prof. F.B. Gillie is of Scottish forbears, though he has spent little of his life in Scotland. He studied modern languages at Cambridge with a view to becoming a consul, but went instead into the British civil service where he was mostly occupied with town and country planning. During 1941 he was removed from his war-time work to join a group dealing with post-war planning and was concerned with much of the planning legislation prepared at that time.

In 1954 he was placed in charge of the Welsh Office of the Ministry of Housing and Local Government, where he spent eight years dealing with town and regional planning, housing, water supply, sewage disposal and local government organization. Wales is much the same as Lebanon in population but is about 2½ times Lebanon's size.

In 1963 he joined the Organization for Economic Cooperation and Development (OECD) and spent two years in Turkey working on regional planning. Prof. Gillie is perhaps one of few people who have studied both Welsh and Turkish. In 1965 he went with the United Nations to Afghanistan to start a Housing and Town Planning Department, and in 1967 the United Nations sent him to the Republic of Ireland.

He spent 1971 at the Dutch Institute of Social Studies, doing research on small towns in Norway, Ireland and France.

Prof. Gillie has written 3 books on various aspects of planning. A paper on his research work in 1971 will shortly be circulated by the Institute of Social Studies.

Prof. Gillie is a member of the Town and Regional Planning Development of Sheffield University which takes special interest in Middle Eastern countries. His work at AUB is a contribution from the British Government under their program of Overseas Aid.

Dr. Fuad Jubran on "Heart Disease and Man"

The second lecture, "Heart Disease and Man," in the "Science for the Public" series was delivered this month by Dr. Fuad Jubran, clinical instructor in Internal Medicine at the AUH Division of Cardiology and Director of the Cardiac Catheterization Lab and member of the Cardio Vascular Committee.

Dr. Jubran began his lecture by explaining that heart disease increased tremendously in the last 40 years and that it is now the number one killer in the US and Europe. The area of the human body affected by heart disease is the cardio (heart) vascular (vessels) system. This, he said, consists of the heart which is a fist size pump with 4 chambers that contracts 100,000 times a day, moving about 5,000 gallons of blood through 6,000 miles of arteries, capillaries and veins to bring oxygen and nutrition to 300 trillion cells.

The diseases of the cardio vascular, Dr. Jubran went on to say, are in different categories:

i. — Artherosclerosis, which is the hardening of the arteries and is responsible for 600,000 deaths per year in the US.

ii. — Rheumatic fever, which affects children and produces valve defects and is more common in low socio-economic classes.

iii. — Inborn heart defects, which affect the formation of the heart of the embryo in the first trimester of pregnancy.

iv. — Hypertension, which is elevated blood pressure and causes strokes and heart disease.

What is commonly known as heart attack is not a disease, he said, but an event in a process of artherosclerosis. It occurs when the coronary artery is blocked. Its signs are an oppressive mid-chest pain that may radiate to the neck, jaw, shoulders or arms and is often associated with sweating, nausea, vomiting and shortness of breath.



Dr. Jubran said that some of the factors that produce artherosclerosis include elevated cholesterol in the blood, elevated blood pressure, overweight, diabetes, smoking, family history and some recent possibilities such as lack of calcium in drinking water and the increased use of sucrose in food. An early childhood education and regular visits to the doctor would minimize these risk factors.

He went on to explain that rheumatic heart disease, caused by the infection of tonsils, is preventable by medications and hygiene and by public information campaigns among the low socio-economic classes.

On the subject of inborn defects which are caused by medications taken by the mother during the first three months of pregnancy, or by incompatible marriages, Dr. Jubran stressed the need for premarital medical consultations.

In concluding, he pointed out that modern medicine provides the patient with techniques to diagnose heart diseases, such as cardiac catheterization and coronary angiography to visualise the heart arteries, as well as medication and operation for treatment and a rehabilitation program.

AUB Training Officer Attends Two International Meetings

Delegated by the Lebanese Management Association, Mr. Joy Abu Jawdeh, AUB Training Officer, attended last month two international training activities in Geneva, Switzerland, and Munich, Germany. The first activity was the International Training and Development

Conference and the Second was the Vth CIOS (Conseil International d'Organisations Scientifiques) World Congress. The subjects discussed centered on employee training and development, and on present and future trends in management activities.

Prof. Cowan Consulted on Agricultural Research

Prof. James W. Cowan, Associate Dean of the Faculty of Agricultural Sciences recently spent a month in Cairo as a consultant on Agricultural research for the Near East Regional Office of the Food and Agricultural Organization (FAO) of the United Nations. The assignment consisted of the preparation of a report entitled "Summary and Analysis of the Status of Administration and Organization of Agricultural Research in the Near East." The Report was based mainly on information collected in 1971 by a committee of FAO experts who surveyed in detail the systems for administration and organization of agricultural research in ten countries of the Near East Region. The Report will be published early next year by the FAO Regional Office in Cairo.

Mr. N. E. Halaby AUB Trustee

(cont'd. from page 1)

after 12 years of preoccupation with the burdens of civil aviation and opens a wider opportunity to aid the interchange of technology and managerial capability of the US with the human and natural resources and great spiritual quality of the Arab World. To my mind, AUB is a principal center of this exchange of the best ideas of the East and the West."

Mr. Halaby became Chief Executive Officer of Pan American in November 1969, a post he held until March of 1972. He is now a counselor at law and international consultant with offices in the Pan Am Building in New York. Mr. Halaby served from 1961 to 1965 as Administrator of the Federal Aviation Administration under both President Kennedy and President Johnson. He played an important role in the organization of the North Atlantic Treaty Organization (NATO), and served as Chairman of the 1960 Disarmament Conference.

Mr. Halaby earned his B.A. at Stanford University, of which he is now a Trustee. He attended the University of Michigan Law School, and earned his LL.B. from Yale University in 1940. He also holds honorary doctorates from Allegheny College and Loyola University, and serves as Director of Bankamerica, Chrysler, the Aspen Institute, and the Asia Society.

Mr. Halaby is married to the former Doris Carlquist of Anchorage, Alaska. They have three children and reside in New York City.

New Wing for Surgical Patients Opened at AUH



The new wing for surgical patients, which was opened last month on the 10th floor of the Medical Center, adds 27 beds to the hospital which is now in full operation.

Mr. David Egee, Director of AUH said in a declaration that one head nurse and five graduates are assigned to the new wing, and that the expansion of the hospital would have been faster had there been enough nursing staff. Mr. Egee believes that more young people should seriously consider joining the nursing career which has excellent op-

portunities in this part of the world.

With the completion of Phase III of the Medical Center by the summer of 1974, the entire Center will be bound together to provide a comprehensive approach to education in the Health Sciences.

Out of the eight facilities which Phase III will provide, the following are expected to be completed next August: The Underground Parking, the Post Graduate Education Building, the Basic Sciences Building and Medical Library.

Four US Plant Protection Specialists Visit AUB

A team of four US plant protection specialists visited the Faculty of Agricultural Sciences last October as part of a fact-finding mission to review pest management and related environmental problems of Lebanon and the Middle East. The project is contracted to the University of California by the Agency for International Development (AID). Upon completion of these fact-finding investigations, a plan will be submitted to AID for consideration as to possible participation in crop protection programs in the area.

The team was headed by Dr. G.E. Cavin, Entomologist, U.S.D.A., and included Dr. Ray G. Grogran, Plant Pathologist and Dr. Dewey Raski, Nematologist from the University of Califor-

nia, and Dr. Orvin C. Burnside, Weed Scientist, from the University of Nebraska.

In addition to visits made to officials of the Ministry of Agriculture, the National Research Council and the Ford Foundation, the team visited President S. Kirkwood, Provost S. Thabet and Dean S.P. Swenson. The specialists also visited the Agricultural Research and Education Center (AREC) and the FAS facilities, and had a fruitful round table discussion with the Crop Protection group of the Faculty. This meeting was attended by Professors H. Weltzien and A. Saad (Plant Pathology), A.S. Talhouk and N. Kawar (Entomology) and A.R. Saghir and S. Chaudhary (Weed Science).

Growth of University Physical Facilities

The tremendous growth of the University physical facilities over the past few years is perhaps known only to a few members of the community, but the chart, below, which was handed to the BULLETIN reporter during an interview with Mr. Aziz Nahhas, Director of the Physical Plant, and his Assistant, Mr. Roger Chehire eloquently depicts this growth.

Mr. Chehire explained how these facilities should be maintained to prevent premature deterioration, pointing out that a system of planned maintenance, which he referred to as preventive maintenance, must be followed to make all possible use of the limited resources available.

To repair the facilities when a breakdown occurs is far too costly. Furthermore, this is no longer possible in view of the huge scope of requirements and sophisticated present day service equipment and utilities systems, none of which can be allowed to fail in service.

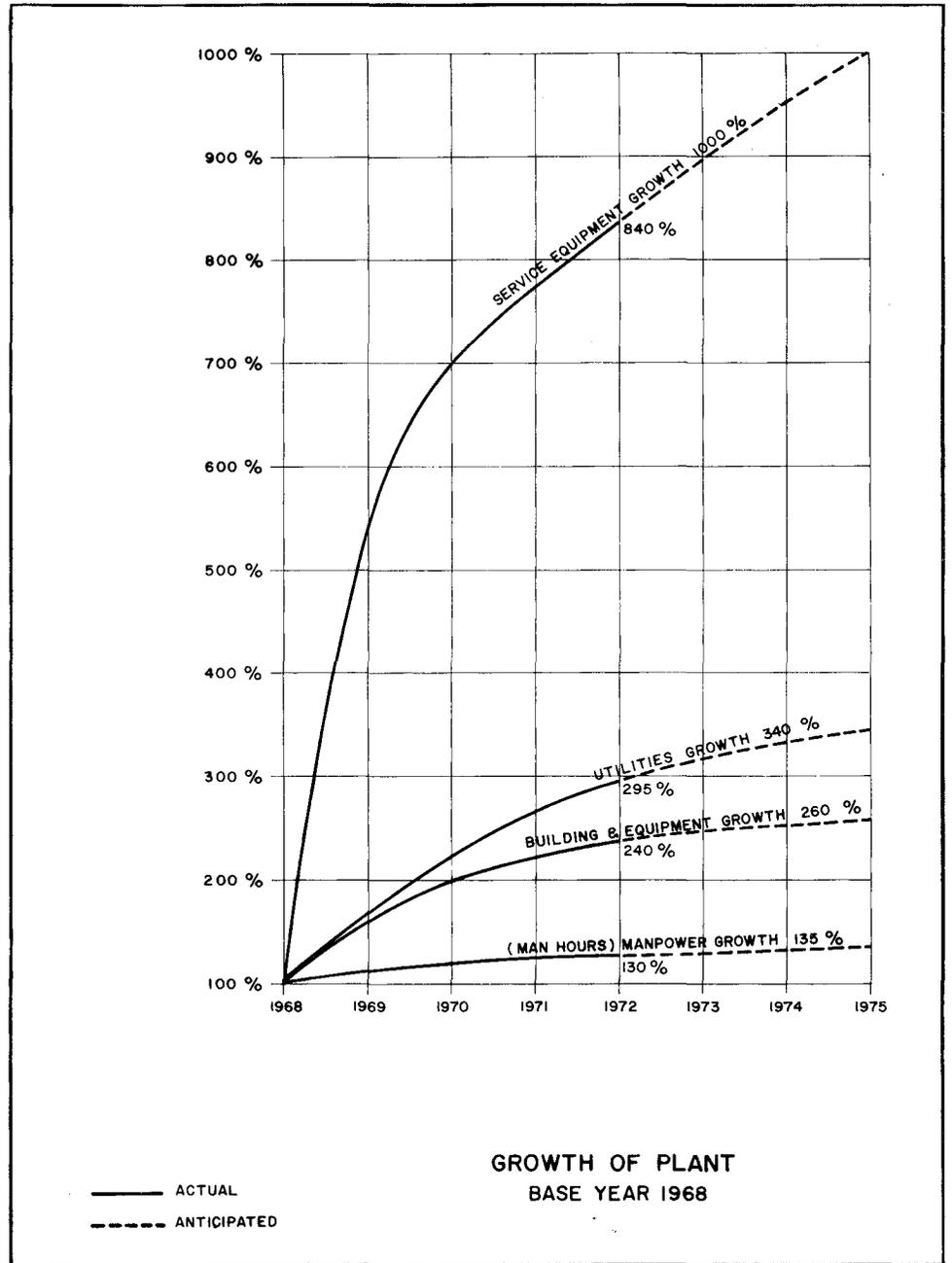
Mr. Chehire went on to explain that the service equipment, plants and systems of the Medical Center have already been put under a rigidly controlled preventive maintenance program. The same type of program is now being developed for campus buildings and facilities.

As a prelude to starting the program, the academic and other buildings were inspected during the summer by Mr. Fawzi Saba, the Physical Plant Chief of Maintenance. He noted down all repair requirements, many of which were minor and could be done within a reasonable time with present resources, while others were major ones which would take longer to adjust. Some, however, were found to require major outlays of funds which are limited, if at all available.

Where possible, proctors of buildings were asked to participate in the inspections, and their particular requirements and complaints were also noted down. Copies of the inspection reports were sent to the Deans and the proctors of buildings.

Mr. Nahhas has directed that preventive inspections be repeated every six months and hopes that through this improved planning the need for major repairs resulting from poor maintenance, or the lack of it, will diminish.

For a better understanding, the program of inspections was preceded by group meetings with faculty and staff to describe the general condition of cam-



pus buildings and their maintenance and repair problems which the Physical Plant is facing.

It was pointed out that the University was forced to curtail its budget for this type of work. Experience has shown that a minimum of 1-1.5% of the value of a building is required annually to prevent deterioration, but the University has been able to afford .5% only per year over the past ten years.

The need for major rehabilitation and renovation works was also raised at these group meetings.

The age of many of the buildings and

the age of service systems and equipment in buildings and plants have outlived their useful life and need to be replaced. Due to the continuing shortage of funds, however, there seemed to be little hope for major rehabilitation operations. Moreover, only a limited replacement of service systems and equipment as they break down is possible.

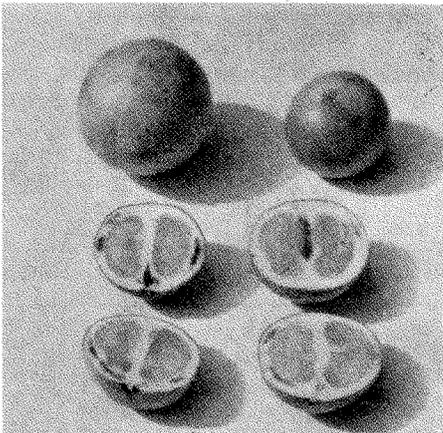
Both Mr. Nahhas and Mr. Chehire concluded by saying that a good planned preventive maintenance program will enable the Physical Plant to do the best possible with the limited resources which are available.

AUB In The Press

THE LOCAL PRESS



The planting of a cedar tree on campus by the Minister of Information during the celebrations of Lebanon's Independence Day was reported in the local press with pictures. The ceremony was also broadcast live and telecast. The Minister's speech on this occasion together with the speech delivered by the president of the AUB Lebanese Student League were broadcast several times.



The French language *As-Safa* reproduced this month the report on fruit drop which appeared in the BULLETIN of October 19, and which was prepared by AUB Professors Ramzi Khalidy and A.T. Saad who visited citrus orchards in South Lebanon at the request of the Ministry of Agriculture to investigate the problem of fruit drop.

Mr. Leslie Wright's piano recital at the Assembly Hall was reported by the local press, with pictures.



The traditional open-house given by women boarders at the beginning of this academic year was reported in *Al-Anwar*, with pictures.



The Tell-el-Ghassil archaeological excavations by AUB students were widely covered, with pictures, by the local press and the international news agencies. The *Herald Tribune* quoted REUTER in reporting the excavations.

The big reception given by the AUB Lebanese Student League last week at the Carlton Hotel on the occasion of Lebanon's Independence Day was covered by *An-Nabar*. The Minister of Education, Sheikh Pierre Gemayil, Mr. Raymond Eddé, President Samuel B. Kirkwood and a large number of AUB faculty members and students attended.

Dean Lichtenwalner on AUB Health Programs

(cont'd. from page 1)

health activity of AUB, Dean Lichtenwalner mentioned a number of special regional programs, one of which is a program for preparing basic medical scientists for the medical schools of the region.

Dean Lichtenwalner also spoke of another category of special programs which are sponsored by international agencies—FAO, UNICEF, and WHO.

Cooperative Programs

Dean Lichtenwalner added that programs carried out in cooperation with institutions in the United States represent another category of the Faculty's international health activities. AUB has had a joint nutrition research program with the Institute of Nutrition Sciences of Columbia University. Other joint research projects have been with the Harvard School of Public Health, in the field of trachoma research, and the University of Michigan School of Public Health, in the field of eye diseases.

Furthermore, a formal faculty exchange program has been in existence for several years between the Johns Hopkins School of Medicine and the AUB Faculty of Medical Sciences. Dean Lichtenwalner pointed out that this program, which is supported by the Commonwealth Fund, allows the AUB faculty an opportunity to keep in the main stream of American medicine.

Consultation Work

In addition to the regular educational programs, special regional programs, and cooperative programs with US institutions, Dean Lichtenwalner said, members of the AUB Faculty of Medical Sciences are frequently called upon as short-term consultants by the area's ministries of health.

Another 100 years in the Cause of International Health

Having now completed a century of service in the Middle East, Dean Lichtenwalner said in concluding, the AUB Faculty of Medical Sciences looks forward to another hundred years in the cause of international health.

Prof. Nasser Gives 2 - Week Course in Denmark

Last September Professor Essam Nasser of Electrical Engineering was invited by the High Voltage Institute of the newly built Technical University of Denmark, Lyngby, near Copenhagen, to give a 2-week short course on the Phenomenon of Ionized Gases to graduate students in electrical engineering and in physics. He was also consulted by the power company of Denmark on the problem of insulator contamination and power system failures.

Plastic Garbage Exhibited



An extremely odd exhibition is currently held at the Central (Jafet Memorial) Library. Arranged by Prof. John Carswell of the Department of Fine and Performing Arts, the exhibition is a collection of plastic garbage found on the beaches of Lebanon.

All sorts of plastic objects carrying the effect of sea and sun are displayed in bags. Prof. Carswell has declared that the purpose behind this exhibition is to enable viewers to assess the ravages of pollution. He explained, however, that contrary to his original wish, the exhibits looked rather pretty when he had them arranged, adding: "the sea almost humanizes these plastic objects." The exhibits will be on display until December 8.

Business Services Personnel Awarded Service Pins



Mr. Ruetzel surrounded by Business Services personnel who were awarded service pins

Mr. H. Ruetzel, Director of Business Services awarded this month various service pins to the following members of the Business Services personnel:

Fuad Jirji	20 years
Omar Faour	15 years
Maurice Hajj	15 years
Munir Salha	15 years
Joseph Saleh	10 years
Spiridon Lahham	10 years

Non-Academic Staff Exceed Academic By 250 Only

Analytical statistics show that during 1971 - 72 the non-academic staff of AUB, excluding the AUH total service employees, exceeded the academic by 250 only. Below is a breakdown of the University's Faculty and Staff analysis last year:

501	Academic
226	Graduate and Research Assistants
<hr/>	
727	Total academic staff
105	Management
908	Non-academic
853	Wages
<hr/>	
1866	
less 889	AUH total service employees on 30-vi-72
<hr/>	
977	Total non-academic staff

University Bookstore Operation Reviewed

During a 3-day stop-over in Beirut this month Mr. Warren E. Elze, Vice President, and Mr. Russel Reynolds, General Manager of the National Association of College Stores, Inc., of Oberlin, Ohio, spent several hours with Mr. H. Ruetzel, AUB Director of Business Services, and Mr. N. Ghosn reviewing the AUB Bookstore operation, and offered valuable advice regarding the new University bookstore now in planning. As member of the National Association of

College Stores, Inc., AUB is able to draw on the experience of more than 2,000 members (college and university bookstores of this association.)

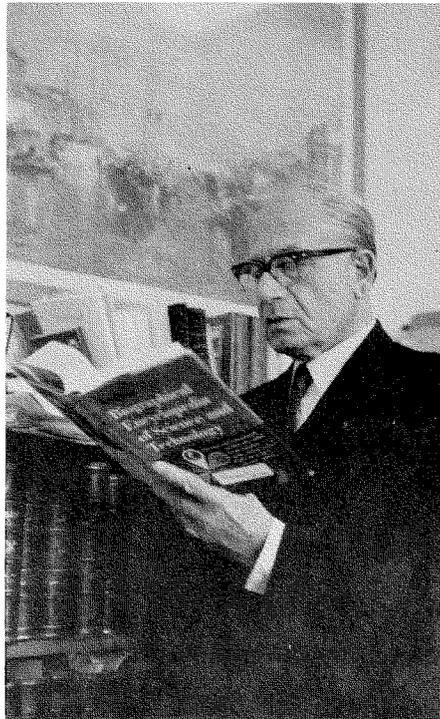
Mr. Elze, who is also Director of the Bucknell University Bookstore of Lewisburg, Pennsylvania, and Mr. Reynolds had little time for sightseeing in Beirut. They had attended an international meeting of booksellers in Belgium and were on their way to visit university bookstores in Melbourne, Australia.

Dr. Fuad Sarruf Elected President of UNESCO Executive Board

Dr. Fuad Sarruf, former Vice President of AUB was last week elected President of the Executive Board of UNESCO. The news of his election was reported on the front pages of the Lebanese press with details of his outstanding background and special reference to his long association with AUB.

Commenting on the news to the French language *As-Safa*, President Samuel B. Kirkwood was quoted as saying that he is delighted to learn that a man of Dr. Sarruf's stature is elected to this distinguished position. In my association with Dr. Sarruf during his long and fruitful career at AUB, President Kirkwood added, I found him to be a man who distinguished himself in the many fields of culture. Dr. Sarruf, President Kirkwood went on to say, has long been dedicated to education, rendering a great service to the Community. President Kirkwood said that Dr. Sarruf has been one of the pioneers in the field of journalism, not only in the Lebanon, but in the entire Arab World.

I am certain, President Kirkwood said in concluding, that Dr. Sarruf will bring to his new post a dedication which is backed by a deep personal concern and expertise.



Dr. Fuad Sarruf

Volunteers to Read For Blind Students

There is a need for volunteers to read for blind students at AUB. For further information please contact Mrs. William Ward — T'phone: 346249.

Anonymous Donor Offers \$100,000 Matching Gift

The American University of Beirut is very much in need of *increased* financial support from alumni and friends the world over. In recognition of this need, an anonymous donor has offered a matching gift of \$100,000 over the next three years through which each gift of new money and all increases over previous year's contributions from individuals to the University's Annual Giving Program will be matched dollar-for-dollar.

Here's how it works. If you contributed to the University during the last academic year (July 1, 1971 through June 30, 1972) and you increase the amount of your gift this year, the anonymous donor will contribute an amount equal to that increase. If you did not contribute to AUB last year, but do so this year, your entire gift will be matched. These matching contributions will be used for the same purpose as you designate for your gift.

This incentive to increase annual giving will be continued in each of the following two academic years, based on the contributions made in the preceding year in each case, or until a total of \$ 100,000 has been matched.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 9

THURSDAY, DECEMBER 7, 1972

107th Founders' Day Convocation



Prof. Zeine delivering convocation address.

The Founders' Day Convocation, the ceremony which commemorates the opening, 106 years ago, of the first class of 16 students at the Syrian Protestant College as AUB was then called, was held at 10:00 a.m. on Monday, December 4, at the University Chapel.

President Samuel B. Kirkwood and Deans and Professors in their full academic regalia walked into the Chapel while the Processional was played on the organ by Prof. S. Arnita. The ceremony started with an Invocation offered by Prof. R. Walker the University Chaplain, followed by President Kirkwood who spoke of Founders' Day and introduced Prof. Zeine Zeine who gave the traditional address. Below is President Kirkwood's speech:

I welcome you to the celebration of Founders' Day, this year, 1972. On Dec. 3, 1866, not far from here, in a small room, our school held its first class. It has become our custom to honor the men and women whose vision and courage and faith made that event possible 106 years ago. We do so today, in a much larger room, before a vastly greater audience, and perhaps with an extent of opportunity

and responsibility that even our Founders could not have seen, when that first class was called into session. No two times in the life of our University can ever be quite the same, but every moment is inevitably a mixture of heritage and action and hope. It is fitting, therefore, in our observance this morning that we think upon the ties between our long past and our present—and future. It is highly appropriate that we should be guided in our thoughts by an historian, and particularly by one of our own. Dr. Zeine Zeine, Professor of History has an eminent right to this spot. He has long been established as one of the world's leading scholars, not only as an authority in his own field but as a happy embodiment of the *concept* of scholarship. He came to AUB first as a Freshman in 1925 and graduated four years later. His first appointment to the faculty was in that same year, 1929. He was made Professor in 1957.

(cont'd. on page 3)

(Prof. Zeine's convocation address appears on pages 4-5)

Trustees Discuss Report of Advisory Program Study Committee

On his return from the Board of Trustees meeting November 17 and 18th in New York President Samuel B. Kirkwood made several announcements. The primary focus of the discussions, he said, was dictated by the report of the Advisory Program Study Committee prepared under the direction of the Provost and necessitated by the projection of financial stringencies anticipated in the next few years as inflation erodes the value of AUB's financial resources. The Board accepted the general thrust of the report and commended the committee for the careful work which they had done. Specific decisions as to the future academic program of the University and its administrative organization within the bounds of available funds will be made after further study.

The President also announced the offer of an anonymous donor to match up to \$100,000 of contributions from alumni and friends of the University representing new gifts or an increase over giving of the previous year. Donations from individuals to the University's Annual Giving Program will thus be matched in equal amount. This matching gift has been made effective as of July 1, 1972 and will continue for three years. Together with the Rockefeller matching grant donors in the Middle East will now have their contributions to AUB double matched. To date \$802,481 have been matched under the Rockefeller grant.

President Kirkwood also expressed his pleasure in having Mr. Najeeb Halaby a member of the Board of Trustees. During a reception for Mr. Halaby at Marquand House on November 27th he said, "Mr. Halaby's heritage, his exceptional talents, and his worldwide experience give him a perspective which is invaluable to the AUB at the present time and for the years ahead."

OUR NOTICE BOARD**University Chapel Services**

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

SUNDAY, Dec. 10

— VOCAL AND INSTRUMENTAL CONCERT (Arabic), Assembly Hall — AUB, 8:30 p.m.
Invitations available at West Hall.

Prof. John C. Bailar, Jr.
Prof. of Inorganic Chemistry, University of Illinois
will be lecturing on
"Some New Development in the Stereochemistry of Metal Amines"
On Monday, December 11, 1972
6:00 p.m. — Chemistry Room 101

AREA LECTURES SERIES

Prof. Nabeel Shaath
on
Manpower Development in the Area
Wednesday, December 13
8:00 p.m.
Faculty Lounge — Ada Dodge Hall

Faculty of Arts and Sciences
DEPARTMENT OF MATHEMATICS
MATHEMATICS COLLOQUIUM

Third meeting of 1972-73:
Speaker: Prof. Jack Anderson
Subject: "Algebraic Automata Theory"
Friday, December 15, 1972
3:30 p.m. Tea
4:00 p.m. Paper
Room 329 Agriculture (Math. Dept.)

SUNDAY, Dec. 17

— CHRISTMAS MUSICAL
(CHOIR AND ORCHESTRA),
Assembly Hall — AUB, 5:15 p.m.
Tickets: LL. 5, 3 and 1.
(Net proceeds to Fine and Performing Arts Department Student Scholarship Fund)

From time to time, especially during the summer months, faculty apartments become vacant.

Anybody interested please apply in writing to the Director of Housing. Only applications on file will be considered.

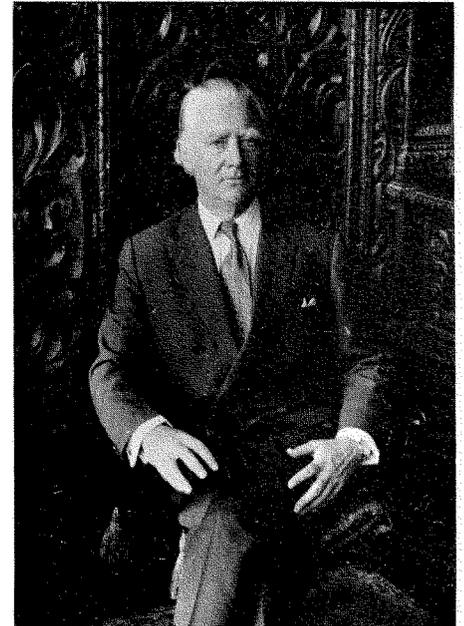
50th Anniversary of James Joyce's Ulysses Commemorated

The year 1972-73 marks the fiftieth anniversary of the publication of James Joyce's *Ulysses*. To commemorate this event which is patronized by Sir Desmond Cochrane, with Professors Douglas Duncan and Vivian Mercier as guests of honor, the English Department and the Department of Fine and Performing Arts are organizing a program of two lectures and a James Joyce exhibition.

The first lecture, in English, on "The Scylla and Charybdis Episode of Ulysses" will be given at 7:30 p.m. on Tuesday, December 12, 1972 at West Hall, AUB, and the second, in French, on "James Joyce and French Literature" will be given at 7:30 p.m. the next day, Wednesday, December 13, at Dar-el-Fan, Beirut. Both lectures will be delivered by Dr. Vivian Mercier, Professor of English and Comparative Literature, University of Colorado, Boulder.

Prof. Vivian Mercier, born in Dublin, 1919, attended Portora Royal School and Trinity College, Dublin (B.A. 1940, Ph.D. 1945). He emigrated to the U.S. in 1946 and has taught at Bennington College, the City College of C.U.N.Y., and the University of California, Berkeley. He has written on Irish, English and French literatures for a wide variety of periodicals and is the author of *The Irish Comic Tradition* and *The New Novel: From Queequeg to Pinget*.

The James Joyce Exhibition, to be held from 10-15 December at the Central (Jafet Memorial) Library, illustrates selected aspects of the life and work of



Sir Desmond Cochrane

James Joyce and of Dublin. It concentrates on those facets of Irish character and landscape that nourished and stimulated his imagination. About 100 photographs of people, places and events in Joyce's lifetime comprise the exhibit. The major part of this material has been kindly lent to the University by the Joyce Museum, Dublin through the courtesy of Sir Desmond Cochrane and the Cultural Relations Committee of Ireland, and has been assembled and edited by Dr. Suheil Bushrui, Chairman of the AUB Department of English.

AUBite Elected President of Order of Engineers and Architects

Mr. Khalil Maalouf, a graduate of the AUB Faculty of Engineering (1945) was elected last week President of the Order of Engineers and Architects of Beirut. His election was widely reported in the local press, and the French language *L'Orient-Le Jour*, which published an interview with Mr. Maalouf, said he obtained his Ph.D. in 1950 from the University of London and taught for several years at AUB.

Mr. Maalouf is Managing Director of the Association of Consultant Engineers (ACE).



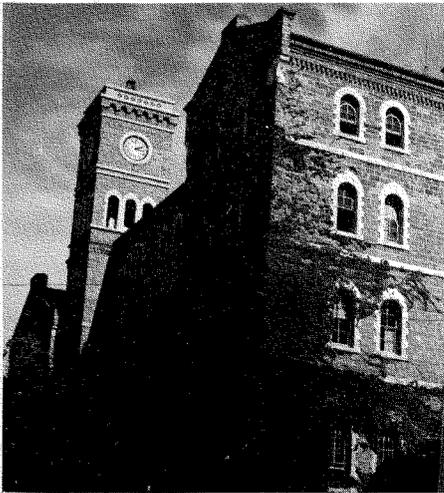
107th Founders' Day Convocation

(cont'd. from page 1)

With the keen anticipation that always precedes a lecture by him, I have the privilege and particular honor to ask Professor Zeine to speak to us.

Prof. Zeine Zeine, the well-known historian and author delivered the convocation address for this year which happens to be his year of retirement from the University.

The full text of his address appears on pages 4 and 5.



College Hall — 1873

At the close of Prof. Zeine's address, President Kirkwood thanked him and asked the congregation, in the spirit of Prof. Zeine's words, to rise and sing the *Alma Mater*.

On December 3, 1866 the Syrian Protestant College opened its very first class of sixteen students and a teaching staff of eight at the National School of *Mu'allim* Butros Al-Bustani in Zokak-el-Blat. There is a huge difference between those figures and this year's 4386 students—who come from 68 countries and belong to 21 religious groups—and 501 professors—of whom 63% come from the Middle East. 82% of this year's students are Arabs, of whom 54% are Lebanese.

In 1873, SPC moved to College Hall which was constructed on the land bought by the College in Ras-Beirut. The centenary of College Hall is to be celebrated next year. College Hall is now one of 81 buildings on the AUB campus of 73 acres, in addition to the AUB farm of 246 acres in Hosh Sneid, the Beka'a, 80 kms. from Beirut.

New Faculty Members

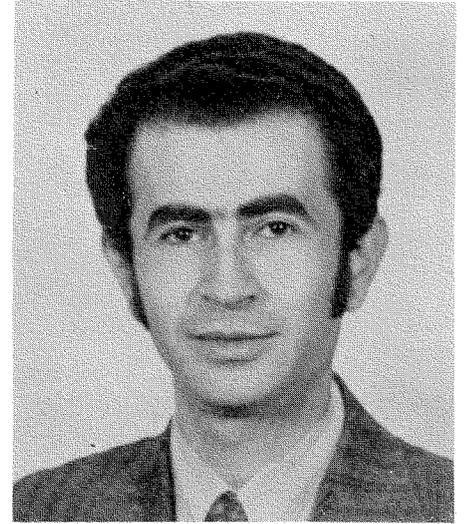
Prof. Samir Abu Absi

Prof. Samir Abu Absi is Assistant Professor at the Center for English Language Research and Teaching (CELRT) of the Faculty of Arts and Sciences. He graduated with a B.A. in English from AUB in 1963, and holds an M.A. and Ph.D. in Linguistics from Indiana University.

He taught Linguistics at the University of Toledo, Ohio, and was a Research Linguist with Peace Corps and the US Office of Education, 1966-68, preparing a course on *Spoken Chad Arabic*.

Prof. Abu Absi is interested in Arabic and English Linguistics and in Teaching English as a foreign language.

He is married to the Former Lucy Ogg of Chicago, Illinois, and has two children.



Dr. Barrie D. Smith

Dr. Barrie D. Smith, arrived in Beirut in September with Mrs. Smith and their three daughters. Dr. Smith, who will spend this academic year as visiting professor at the Department of Human Morphology, AUB School of Medicine, is presently on sabbatical leave from the Department of Anatomy, School of Me-

dicine, University of Missouri, Columbia, where he is associate professor of anatomy. Dr. Smith received his Ph.D. Degree from the University of Iowa where he was associated with Dr. Adel K. Afifi, current chairman of Human Morphology at AUB.

Prof. Muhammad R. Raza

Prof. Muhammad Rafique Raza of the Department of Agricultural Economics and Sociology, AUB Faculty of Agricultural Sciences, started his teaching career in Sociology at Government College, Lahore, after completing in 1959 his Master's degree in Sociology from the Punjab University, Lahore, Pakistan. In 1962 he was awarded a scholarship by West Pakistan Agricultural University Lyallpur (WPAU) under the USAID Inter-College Exchange Program, to study for his doctorate at Cornell University, Ithaca, N.Y. in the Department of Rural Sociology.

In 1966, Prof. Raza joined the WPAU Department of Rural Sociology as senior lecturer, and during December 1968 to June 1970 he worked as Research Director, Sweden Pakistan Family Welfare Project—an assisting and promotional communication research unit to the Pakistan Family Planning Program.

Before joining AUB as a visiting Senior Lecturer, Prof. Raza was working at WPAU as an Associate Professor and Head of the Department of Rural Sociology. Besides teaching, research and authorship of three books and several ar-



ticles, he was Vice President of Pakistan Sociological Association and Vice President of the Punjab University Sociologists Alumni Association.

Social Stratification and Rural Sociology are his area of specialization and his area of interest is social change and modernization.

Prof. Raza is married, with three children.

Address Delivered by Prof. Zeine

Mr. President, Colleagues,
Ladies and Gentlemen,

One day, a man who loved beautiful pictures brought home a prize-photograph of the leaning Tower of Pisa. He hung it carefully and correctly on the study-wall in front of his desk. Early, the next morning he visited his study to view his treasure. To his annoyance some careless hand or ruthless breath of air had tilted the frame to one side. He, carefully, adjusted the picture, closed the door and went out to his work. At night, returning home, he made his way to his study. To his dismay, the picture again stood to one side. He was almost angry. There was something mysterious in that room. He again, adjusted the picture. On the morrow, he turned his steps to his study and to his cherished picture. To his profound amazement the picture once more looked at him from an inclined angle. This was too much. He called in his valet. Pointing to the picture, he said: "Henry, that picture is crooked. Do you, by any chance, know how it got that way?"

With a broad smile, Henry replied: "Yes Sir, I did it, Sir. It was the only way I could make it straight, Sir!"

There is a leaning tower inside many a man and woman today. There is a leaning tower of national and international immorality in the world. And there is a leaning tower of faith, of hope and of idealism in many Universities all over the world.

The leaning spiritual and moral tower of mankind cannot be made straight by external and artificial means. The British diplomat and statesman, David Lloyd George, came to the conclusion, in his book *The Truth about the Peace Treaties*, that nothing enduring could be built in this world on the foundation of "the shifting sands of human interests, human ambitions and human passions"... until humanity digs down "to the bed rock of an eternal ideal..."

Some years ago, Dr. George A. Buttrick criticized modern educators in an eloquent little book called *Faith and Education*. He wrote: "Modern man has tried the suspense of believing nothing, and because suspense is soon unbearable, he has ended by believing anything... that is, modern man has no home, but only a succession of rooms in cheap lodging houses. How can any man study

in such homelessness?... The mind, like any traveller, needs a compass and a fixed point of departure..." Hence, the need for a great ideal as a guide and as an inspiration.

If I may venture to make one prophecy this morning about the future, I would say that the moral regeneration of mankind will come, one day from the young people with an "eternal ideal." There will be a special kind of youth. They will belong to a spiritually-awakened and a highly idealistic generation of young people. And it will be this kind of youth that will form the basis of the moral content of colleges and Universities.

Indeed, there seems to be already a faint beginning, a glimmer of light, in some universities in certain parts of the world. Walter Lippmann wrote some-time ago that the theme of "the most idealistic of our young people" is this: "we are very rich, but we are not having a very good time... for our life, though it is full of things, is empty of the kind of purpose and effort that gives to life its flavor and meaning." There is no enduring satisfaction if one is interested *primarily* in the pursuit of wealth, of pleasure and of success. And so, these idealistic young people are *watching* and *wondering*, *asking*, *condemning* and *re-belling*. They are asking, where is sincerity, where is integrity, where is honesty, where is truth? And where, O where, is justice? And what of racial prejudice and religious fanaticism?

Which university or universities will be able to answer these questions? This University is placed in a unique position to become one day, someday, the focal point of a new kind of leadership to be started by its students; and thus, to play a new role in the future. To begin with, its *geographic location*, i.e. the Near East, has a tremendous spiritual culture-fund behind it.

In these days when there is so much confusion in men's thoughts and such a distorted and superficial sense of values, one must often stop to rethink, as it were, some of the currently accepted thoughts of the day, to reorient one's self towards the true source and origin of things instead of being carried helplessly and hopelessly down the turbulent and muddy stream of world events.

Take, for instance, the concept of the

term "Near East," or better known, today, as the "Middle East." Whenever these two words are used, one thinks primarily of trade routes, of a strategic geographic location and, above all, of oil fields. How often it is forgotten—indeed it *is* forgotten—that in the great and mighty River of History, this part of the world did not acquire its importance as a strategic area or as a reservoir of petroleum.

The Middle East made its appearance on the stage of the history of mankind, i.e. of Universal History, long before oil wells were dug and oil pipe lines were invented; and long before its political and economic importance made it a pawn on the chess-board of international power-politics.

The moral and spiritual contents of the culture and civilization of more than half of the world's population of this earth originated here, in the Near and Middle East. The creative and rejuvenating force of the spiritual teachings which, first, appeared in this part of the world infused a new life, a new awakening which led to the birth of new arts, new philosophies and new sciences revolutionizing, in one way or another, the life of mankind throughout almost the entire planet.

Here is the land of holiness and divine revelation; the mountains, the caves, the plains and even the deserts in this part of the world are associated with the Prophets of God. Indeed, it was from here that God spoke to man through His Prophets and Divine Messengers. If there is any significance to history, this certainly is its most important significance. If there is any meaning to such words as time, destiny and eternity, here indeed is their supreme meaning.

This University is also lucky to have been built on solid moral and spiritual foundations, well known to all those who are acquainted with its history and with its growth. The Founders' ultimate aim was to establish an ideal college, to give an ideal education and to build up ideal men.

On one occasion, President Howard Bliss met a great Wise Man and Spiritual Leader from the East. To a question from the President concerning the ideal education, the following answer was given:

Zeine on 107th Founders' Day

"The universities and colleges of the world must hold fast to three cardinal principles:

First: Whole-hearted service to the cause of education, the unfolding of the mysteries of nature, the extension of the boundaries of science, the elimination of the causes of ignorance and social evils, a standard universal system of instruction, and the diffusion of the lights of knowledge and reality.

Second: Service to the cause of morality, raising the moral tone of the students, inspiring them with the sublimest ethical ideals, teaching them altruism, inculcating in their lives the beauty of holiness and the excellence of virtue . . .

Third: Service to the oneness of the world of humanity" . . .

True education must be for the totality of the individual and not for any particular compartment of his life. It is a total experience and this total experience cannot be obtained by feeding the mind only with what we call facts. We do not live by facts alone, just as we do not live by bread alone. Indeed, facts can produce mental indigestion with, at times, disastrous results.

The development of intelligence without a corresponding development and awakening of heart and conscience can be actually very dangerous. The troubles of the world do not come from the ignorant and the uneducated, but from those who use their highly trained intellects for exploitation and for selfish purposes. It is not possible to draw a straight line with a crooked heart.

It has become a common place observation to say that mankind has entered a new Age: the Age of the Atom or the Nuclear Age. The progress of science is the most spectacular phenomenon of the twentieth century. Electronic machines, often referred to as electronic brains solve most complicated problems with inconceivable speed and unflinching accuracy.

However, there is a great deal of erroneous and empty thinking in these days as a result of being blinded by the extraordinary developments in the field of science. A few years ago, a Professor of Science wrote that human behaviour is a series of reactions to chemical and physiological stimuli, and that there is a probability of living beings originating from non-living substances! He added: "Just as it is quite probable that a mon-

key would type the works of Shakespeare if given plenty of paper and two billion years of typing time." (Lucky monkey, and poor Shakespeare!). I wonder if one of the primary aims of liberal education should not be, precisely, to question the authority of monkeys—all sorts of monkeys—on the supreme issues of life!

There is no doubt that in certain respects, the computer machines and the remote control electronic brains have made our life richer and more comfortable; they have also demonstrated that we live in a marvellous universe based on law and order. But, is the world nothing more than a vast mechanical order?

All the astonishing discoveries of science have not solved and cannot solve the problems of greed, cruelty, selfishness, corruption, oppression and injustice. No machine, electronic or non-electronic, can make a person honest, trustworthy, straightforward, generous and just, because these are non-material and non-physical virtues which belong to the realm of the heart and the spirit. Does our education make us aware or conscious of the need to create a new generation of men and women armed with the revitalizing power of a spiritual force to live with confidence and faith in the new world of tomorrow? Was it not the famous historian, Lord John Acton, who once said that education should not be "a burden on the memory but an illumination of the soul"? Hence the need for an ideal to inspire, to strengthen and enrich our life. Every great thing that we have in the world is the result of a great ideal.

In the present state of moral vacuum in many universities where there are so many ideologies with confused beginnings and confusing ends; and in the present state of the political, economic and spiritual sickness of the world, you may think that what I am saying is like a voice in the wilderness. This may be true. In the midst of an epidemic of a contagious disease, it is difficult, perhaps impossible, to remain healthy while surrounded by the sick and the dying.

But I am not talking about the present. Any individual or generation which is blinded by its present and deafened by its loud noises is a lost individual or generation. The present is a changing, passing moment. We must lift up our heads and glance upwards into the fu-

ture. For "where there is no vision, the people perish."

In the history of this University, nothing has been more remarkable than its continuance and its extraordinary growth in spite of all the storms and stresses through which the Near East has passed. On that first day, December 3, 1866, when the College was opened there were sixteen students present. Today, December 4, 1972, one hundred and six years later, there are 4,386 students, the largest enrollment ever recorded.

The marble statue of President Daniel Bliss stands erect in all its majesty and dignity in the main reading room of the Jafet Library. On the occasion of the unveiling of that statue, the President delivered one of the greatest speeches of his career. After giving a graphic description of how his statue was born from a block of marble which was part of a mountain in Northern Italy, Daniel Bliss said:

... "The labour of making a College may, in general or in a remote way, be compared to the work of an artist. The word "College" is an abstract word, suggesting much and varied labour, many and varied implements and forces. The buildings, the apparatus, the books, the teachers, the campus and even the location, enter into the conception of a college and conspire to build it up. Looking down upon the placid sea in calm weather and upon the boisterous wave in the storm, and looking up at the grand gray old Lebanon, has an effect upon the purpose for which our College was founded. As in the case of the statue, back of all buildings, books and teachers, there was the loving thought, the firm purpose, the liberal gifts from men far beyond the sea and ocean, which set in motion all these agencies. . .

No block of marble was brought to us to be worked upon, but living boys and living men (and we can add, today, living girls and living women) came to us from the East, from the West, from the North and from the South. . . They were all human and consequently imperfect; they were all human and consequently capable of perfection. They all came to us to be influenced for good. . ." And Dr. Bliss added: "We do aim to make perfect men; we do aim to make ideal men."

May this University continue to have an ideal aim, and may its students and Faculty live up to that ideal.

AUB In The Press

THE LOCAL PRESS

The recital given by Flemming Dreizig on the newly installed organ at the Assembly Hall was praised by the local press. The English language weekly *Monday Morning* described the organ as a fine instrument, worthy of the series of international recitals which are planned for this year. This weekly also highly praised the acoustic properties of the Assembly Hall.



Al-Kalam As-Sareeh of Marjyoun, South Lebanon, published recently a report on the celebration, in September, of the 50th Anniversary of the AUB Alumni Association in Brazil. The celebration, which was attended by a large number of dignitaries, members of the Arab diplomatic corps, and men of literature and the press, was covered by the periodical's reporter in Sao Paolo.

Letters of congratulations from President Samuel B. Kirkwood and from the Chairman of the AUB Board of Trustees were read during the celebration. The Alumni Association in Brazil is financing the education of nine students, one of them at AUB.

The news of the unanimous election of Mr. Najib Halaby to the AUB Board of Trustees was reported in the local press and distributed by the official National News Agency and the international agencies represented in Beirut. It was also broadcast and telecast, and a long front-page interview with Mr. Halaby appeared in *An-Nabar*.



Al-Anwar reported, with picture, last month the acquaintance party given recently by students of the Faculty of Agricultural Sciences for new students. Dean S.P. Swenson and student Samih Steitieh welcomed the newcomers.

The VOA, the BBC, Radio Lebanon, the ORTF (French Radio and TV) have all interviewed Prof. D. Baramki on the Tell-el-Ghassil archaeological excavations.

THE U.S. PRESS

The Uniontown, Pa., *Standard* has reported the appointment of Mrs. Patricia P. Byers as an assistant dean of student life at Waynesburg College, mentioning that in the late sixties she spent three years at AUB where she studied Arabic and worked as a nurse's aide as a volunteer.

The Amsterdam, N.Y., *Recorder and Democrat* mentioned that Miss Kathy Diem, who was to be guest speaker at a Sunday service, had served for more than six years as supervisor of nursing at AUB.

The *San Francisco Chronicle* reported late in September the death of Dana Mallory Bonnin, 18, in the American University Hospital in Beirut where she was flown from Kabul, Afghanistan, after complications of a kidney stone ailment set in. The late Dana was living with her family in Afghanistan where her father is a Peace Corps administrator.

In a story about the Antiochian Orthodox Church in USA the *Post Star and Times* of Glens Falls, N.Y. quotes Archbishop Michael Shaheen and mentions that he was educated at the American University of Beirut.

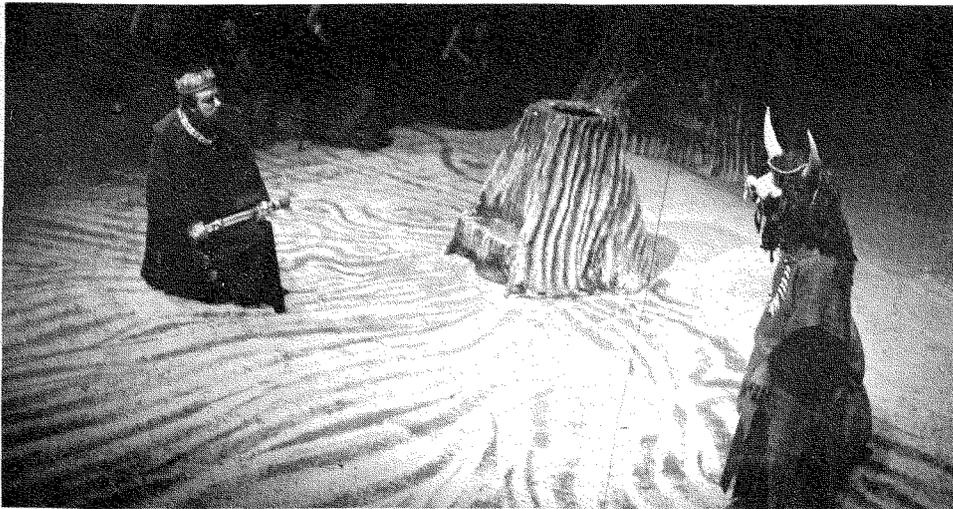


The Brooklyn, N.Y., *Bulletin* reported the election of four new trustees, among them Dr. Calvin H. Plimpton, to the Board of Long Island University. The following passage appears on Dr. Plimpton:

Dr. Plimpton has a remarkably full history as both physician and educator. He served his internship at Presbyterian Hospital in New York City and rose to be a resident of medicine there. He was a professor of medicine and chairman of the department at the American University of Beirut, Lebanon. From 1960 to 1970 he served as President of Amherst College. He is currently President of the Downstate Medical Center of the State University of New York, thus combining his medical and educational interests.

The appointment of Prof. L. Warren Nelson of Ferndale, Mich., as Visiting Professor of Education at AUB was reported in the Oxford, Ohio, *Press* and the Madison Heights, Mich., *Madison News*. Prof. Nelson received his Ed.D. Degree in Social Foundations and Curriculum from Teacher's College, Columbia University, New York. Before the AUB post, Prof. Nelson was Assistant Superintendent for Curriculum at the Highland Park Schools in Highland Park, Mich., where he was involved in programs dealing with cross-cultural backgrounds.

Oedipus the King



OEDIPUS (Richard Tomlison) and the Chorus (background) seek the solution to their city's problems from the prophet Teiresias (Roger Eliot) in a scene from the AUB-BCW production of OEDIPUS the KING this weekend at the BCW.

Directed by Peter Shebaya; set designed by David Kurani; costumes by Joe Motola; music by James Laster.

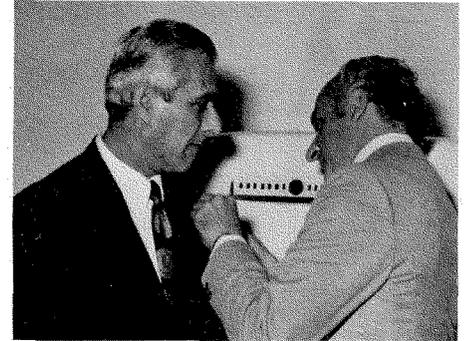
The AUB Fine and Performing Arts Department's joint AUB-BCW production of *Oedipus the King* at the BCW Gulbenkian Theater played to appreciative audiences last week-end, and continues this week-end, Thursday through Saturday night at 8:30 p.m. and Sunday at 3:30 p.m.

With the exception of one local critic who seemed to prefer a more conventional treatment of the play, critical res-

ponse has been enthusiastic about this avant-garde spectacle. Daring and intelligent use has been made of lighting, music and choreography and the result is a stimulatingly fresh treatment of a timeless play.

All but two (Oedipus and Teiresias) of the performers are students, and the quality is high, lifting university theater to a level not often attained. Tickets are available at West Hall and BCW.

Mr. Nakhle Haddad Awarded 25-Year Service Pin



Mr. Nakhle Haddad, Head Clerk at the Circulation desk of the Central Jafet Memorial Library was last month awarded the 25-year service pin by Provost Samir Thabet.

AUB Professors Attend 13th Science Week in Aleppo

Professors M.A. Hamdan and A. Muwafi of the Department of Mathematics attended last month the 13th Science Week which was held at the University of Aleppo and organized by the Syrian National Science Council. Professors Hamdan and Muwafi presented respectively two papers entitled: "*An Information Measure of Association in Contingency Tables*," and "*nth Power Residues Modulo a Prime*."

AUB Medical Alumni Elect President of Order of Physicians Council

Today, Thursday, December 7, a large number of physicians attended a meeting at the House of the Order of Physicians to hear each of Dr. Joseph Azar (M.D. '46) and Dr. Na'man Boustany (M.D. '48) present his platform for the elections, on December 17, of the President and three members of the Council of the Order of Physicians.

The meeting was organized by the medical alumni associations of the French Faculty and of AUB.

On this occasion, the Executive Committee of the AUB Medical Alumni Association has sent the following circular to its members:

This is to remind you that elections for President and three members of the Council of the Order of Physicians will take place on December 17, 1972 at the UNESCO Palace.

You are well aware of the painful rift which has plagued the medical

corps for over a year now. Fully aware of its responsibility in these critical times, and specially since this is the turn of an AUB Medical Alumnus to be the President of the Council, your executive committee has spared no efforts in trying to thrash out and remove differences in an attempt to have one presidential candidate who can re-unify the medical corps so that the Order can accomplish its mission in the service of all physicians practicing in Lebanon.

At present two respectable alumni in good standing, namely Dr. Joseph Azar (M.D. 1946) and Dr. Na'man Boustany (M.D. 1948) are candidates for the Presidency. Each has his own platform which he will present to all physicians at a meeting organized by the medical alumni associations of the French Faculty and of AUB, on December 7, 1972 at 7:00 p.m. at the

House of the Order of Physicians.

At these difficult times which the Order is passing through it is, more than ever, the absolute duty of each and every one of us as a responsible citizen and member of the Order, to stand up and be counted not only by casting his vote but also in participating in the discussions and deliberations of the general assembly meeting which will follow the elections.

We, therefore, strongly urge every alumnus and member of the Association to (i) go and vote for the candidates of his choice, and (ii) stay on after the elections and attend the general assembly meeting and participate in the discussions, so that all decisions taken will allow the Council of the Order to carry out its mission strengthened by a unified medical body.

Proctor & Gamble Scholarship Awarded To Miss Kamilya Ghattas



L. to r. Miss Ghattas, Dean E.T. Prothro and Mr. T.W. Peirce.

The Proctor and Gamble Scholarship for 1972-73 was recently awarded to Miss Kamilya Ghattas by the University Scholarship Committee. Miss Ghattas, who completed her Junior year last June with a cumulative average in the major of 87, was nominated because of her excellent academic ability and serious intent.

The award was made last month at

the President's office by the Acting President Dean E.T. Prothro, and Mr. T.W. Peirce, the P. & G. Area Marketing Manager in charge of Lebanon.

Proctor and Gamble AG has long had a practice of employing AUB graduates, and the parent company in Geneva makes an annual scholarship award to an outstanding AUB student in Business Administration who has special interest in marketing.

AUB Books At 18th International Book Fair

Twenty books published by AUB were exhibited at the 18th International Book Fair at the UNESCO Palace in Beirut. The Fair, sponsored by the Arab Cultural Club, was officially inaugurated late last month by Dr. Albert Moukheiber, Deputy Prime Minister and Acting Minister of Education.

The University has been publishing academic books under its imprint for over 30 years. Publishing activity reached its climax during the Centennial celebrations five years ago when a special publishing program was set on the occasion of the 100th year of AUB.

The Office of University Publications currently acts as a University Press and its activities cover the production and marketing of AUB books. New books are published on the recommendation of the University Publications Committee, composed of professors representing the four Faculties of the University.

Women's Association Children Xmas Party

The Women's Association of AUB will hold its traditional Christmas program on Thursday, December 14. Mothers are asked to bring their children to attend the lighting of the Christmas Tree by President Samuel B. Kirkwood at 5:15 p.m. at the Main Gate. The program will continue in West Hall Auditorium B, featuring a Christmas pageant and the ACS choir followed by a visit from Santa Claus. Children attending are requested to bring a small gift not exceeding L.L.5 for less fortunate children.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 10

THURSDAY, DECEMBER 14, 1972

Books on Urban Planning Donated to Faculty of Engineering and Architecture



L. to r. President Kirkwood, Dean Ghosn and Mr. Wright, the British Ambassador looking at the exhibited books.

Forty books on urban planning were donated last week to the AUB Faculty of Engineering and Architecture by the British Overseas Development Administration and the British Council.

The donation was made by the British Ambassador Mr. Paul Wright at a ceremony held at the Faculty's Bechtel Building in the presence of President Samuel B. Kirkwood, the British Council representative Mr. Paul B. Gotch, Dean R.S. Ghosn and members of the faculty.

The Ambassador described the books as a symbolic representation of the good and fruitful relations between UK and AUB. He referred to scientific seminars at AUB which have been co-sponsored by British institutions and in which eminent British lecturers have partici-

pated, and said he looked forward to more such seminars and courses.

In thanking the Ambassador for the books, President Kirkwood said that the next building scheduled on the University's program is that for a new library. He expressed his hope that the British Government will continue its donations and assistance to AUB.

Dean Ghosn, who offered the Faculty's thanks for the donation, referred to the various aspects of British assistance to AUB in courses and seminars, and in starting a new graduate course in urban planning for which this donation was made. He said the ceremony represented much more than the forty books which were exhibited.

Faculty Participation Solicited for 3rd Program Study Report

Provost Samir K. Thabet has invited all faculty members to submit their suggestions and comments on the Program Study for discussion by the Program Study Committee which is now preparing the third report for the March meeting of the Board of Trustees.

Copies of the Program Study reports so far submitted are available at each department and additional copies may be consulted at the Provost's office.

Provost Thabet has pointed out that in undertaking an endeavour of this magnitude, the Program Study Committee and himself will be thankful for suggestions from the faculty. He has requested faculty members to put forward their views to him as soon as possible and not later than January 8, 1973, assuring them that their suggestions will be given all possible attention.

Hepatitis Cases

Dr. Nabil T. Nassar, Director of the University Health Service has issued the following circular on protection against jaundice.

In view of the continuing occurrence of cases of infectious hepatitis (jaundice), we find it prudent to recommend the prophylactic administration of Immune Serum Globulin (ISG) to persons who have never had the disease. This recommendation is directed particularly to persons of non-Middle Eastern extraction, e.g. American and European born, who represent a highly susceptible group as compared to others. (incidence 9 to 1).

ISG usually prevents the clinical manifestations of the disease; however, it does not guarantee absolute protection. Pregnancy is not a contraindication to using ISG.

cont'd. on p. 5

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

The Reverend Larry Cardwell will be the guest preacher on Sunday, December 17.

At the invitation of the History and Archaeology Student Society, Prof. Marwan Buheiri will be lecturing on "The 'Old Zionist' Image of the Arabs."

Thursday, December 14 at 7:00 p.m.
West Hall Lecture Room

Christmas Musicale
Sunday, December 17
at 5:15 p.m. sharp
Assembly Hall

The University Choir and Soloists
with
Orchestra and Organ
conducted by Prof. S. Arnita
Program : Excerpts from Haydn's
Creation and works by Bach, Telemann,
Mozart and Mendelssohn.
Tickets at West Hall Office (LL. 5-3-1)
(Net proceeds to Fine and Performing
Arts Student Scholarship Fund)

AREA LECTURES SERIES
Prof. Elie Salem

on
THE POLITICAL SCENE
Wednesday, December 20, 8:00 p.m.
Faculty Lounge — Ada Dodge Hall

SCIENCE FOR THE PUBLIC
LECTURES SERIES
Prof. Khalil Bitar

on
ORDER AND SYMMETRY
Wednesday, December 20, 8:00 p.m.
West Hall

THURSDAY, Dec. 21

— CANTATA CONCERT "NIGHT
OF MIRACLE" (In Arabic)
(Choir and Orchestra), Assembly
Hall — AUB, 8:30 p.m. Tickets:
LL. 10, 7 and 5.

AUH Women's Auxiliary Xmas Party



The annual Christmas party of the AUH Women's Auxiliary was held this week at West Hall. The program included Christmas songs by the ACS choir under the direction of Mrs. Schaub.

The ACS choir will be giving a concert on Dec. 20th, 8:00 pm., at the Gulbenkian Theatre — BCW. It will include folk singers, a mixed chorus, a string ensemble and the full Swinging Stage Band. Tickets are on sale at ACS.

Xmas and New Year Holidays for Non-Academic Personnel

Mr. Farid A. Fuleihan, Director of Personnel has made the following announcement:

The following days will be recognized as holidays for Non-Academic Personnel.

Christmas — Monday, December 25,
1972
Tuesday, December 26,
1972

New Year — Monday, January 1,
1973

Any Employee or Worker who is re-

quired to be on duty by reason of regular shift work or to perform any essential services on one or more of these days will be so advised by his supervisor and will be granted compensatory days off within a period of 45 days from the holidays. In case it is not possible to grant a person compensatory days off within a period of 45 days from the holidays he will be paid at the regular pay rate for working during any one of these days.

Exhibition of Chinese Crafts

MADE IN NEW CHINA, an exhibition of old and new crafts produced in China today is currently on show at Gallery Underground.

The items and background of the show include reproductions of famous paintings, poems of Mao Ze Dong in his own handwriting, examples of Chinese calligraphy and writing instruments, as well as mass produced folk crafts manufactured for export. Acupuncture charts are also exhibited for the medically inclined, and a number of display items are offered for sale.

The display is a collection of the personal souvenirs and University Christian Center (UCC) owned items purchased by Mr. Charles Oliver. Mr. Oliver teaches seminars on China at the UCC and at AUB and also offers instruction in spoken Chinese of the Peking dialect.

The exhibition continues through December 23, 4-9 p.m., Sunday-Friday. The Gallery Underground is part of the University Christian Center, behind the Orly Cinema, off Abdel Aziz, on Rue Makhoul, Tel. 344893.

Graduate Nutrition Teaching at AUB

The Graduate Nutrition Program (GNP) leading to the M.S. degree in Nutrition is the only interfaculty degree program at the University. Initiated in October, 1970, the Program draws on the resources of various Departments of the Faculties of Agricultural Sciences, Arts and Sciences and Medical Sciences and is coordinated by a committee representing the six departments mainly concerned: Biochemistry, Biology, Chemistry, Food Technology and Nutrition, Animal Production and Protection and the Nutrition Research Program. The committee works closely with the respective Faculty Graduate Committees in the implementation of the Program. Members of this committee for this year are: N. Dagher (Chairman), Z. Awdeh (Secretary), S. Deeb, U. Khalidy, L. Slade and R. Tannous. The Program has grown rapidly from eight graduate students accepted during the academic year 1970-71 to 24 students for the current year.

Substantial support for the Program has been obtained from the UNICEF organization in the form of graduate fellowships and stipends for teachers; at present, five graduate students are supported by UNICEF scholarships. Also, this organization provided financial assistance which made possible the holding of the 6th Symposium on Nutrition and Health in the Near East (1971) that was organized by the GNP committee at AUB.

The Graduate Nutrition Program serves as an example of true inter-faculty cooperation in the utilization of limited resources for providing a high quality integrated academic program which transcends traditional Faculty boundaries.

Organ Concert by Wilhelm Krumbach

An Organ Concert will be given on Monday, Dec. 18, at 8:30 pm. by Mr. Wilhelm Krumbach on the new Marcussen 3 manuals 33 stops Baroque style organ at the AUB Assembly Hall.

The program includes works by Telemann, Bach, Beethoven, Reger and Klebe.

Tickets at LL. 10, 7, 5 and 3 are on sale at the German Cultural Center (Manara), West Hall (AUB) and Librairie Antoine (Bab Edriss).

Net proceeds will go to the AUB Student Council Scholarship Funds.

New Faculty Members Dr. Morton F. Mason

Dr. Morton F. Mason, B.Sc., Ph.D., is Visiting Professor in Clinical Pathology (October-December, 1972). Born in Pasadena, Calif., in 1902, he graduated with a B.Sc. in Agricultural Chemistry from Oregon State College (1925). He was awarded his Ph.D. from Duke University (1934) and was professor of Biochemistry at Vanderbilt University School of Medicine (1934-1944).

Dr. Mason's present positions are: Professor of Forensic Medicine and Toxicology (Department of Pathology) University of Texas Southwestern Medical School, Dallas, Texas; Director, Dallas County Criminal Investigation Laboratory; Director, Chemistry Laboratory, Parkland Memorial Hospital.

Dr. Mason is married to Miriam Reed Duncan. They have two children, Miriam Marie Mason and Hugh Duncan Wallace Mason.

He is editor of the Journal of Forensic



Sciences, 1965-1973; President-Elect of the American Academy of Forensic Sciences, 1972. Board Certifications: American Board of Clinical Chemistry—Clinical Chemistry; American Board of Industrial Hygiene—Toxicological Chemistry.

Dr. Mason has approximately 70 publications in Physiology, Chemistry and Analytical Toxicology.

Prof. Sami Hajjar

Prof. Sami Hajjar, B.A. ('62), M.A. ('63) obtained in 1968 his Doctorate's Degree from the University of Missouri—Columbia. From 1969-1970 he was Chairman of the Political Science Department at the University of Wyoming where he has been Director of International Studies since 1967. Recently he was promoted from assistant to associate professor.

Last August, Prof. Hajjar was awarded the National Endowment for the Humanities Grant, and is spending his sabbatical year at AUB doing research and planning to write. He is the author of over eleven articles mostly in the area of political philosophy.

Prof. Hajjar is married with 3 children—2 girls and a boy.

Prof. Marun Kisirwani

Professor Marun Kisirwani, Assistant Professor at the Department of Political Studies and Public Administration (PSPA), is an old timer on the AUB campus where he spent over fifteen years as student, teacher and member of the Staff.

After receiving his B.A. in 1959, Prof. Kisirwani joined the staff of the Central (Jafet Memorial) Library for one year. During the next six years which he spent at the International College, he earned his M.A. from AUB, while working on various projects with UNRWA, Ford Foundation, BCW and the PSPA Department in the summers.

In 1966 he left for US and joined Indiana University (Bloomington, Ind.) as a student and teaching associate. He was later appointed instructor and research fellow. He graduated from Indiana University with a Ph.D. in 1971,



and taught at Mankato State College (Mankato, Minn.) before joining AUB last September. His Ph.D. dissertation was on "Attitudes and Behavior of Lebanese Bureaucrats: A Study in Administrative Corruption."

Prof. Kisirwani was born in Jezzine, Lebanon. He is single.

Miss Taky Deen Gives Concert and Message to Alumni in Dhahran



Co-sponsored by the AUB Alumni Group in Dhahran, Saudi Arabia, Miss Diana Taky Deen gave in October a piano concert at the Dhahran Theater. The program included works by Beethoven, Schumann, Debussy, Chopin and Boghos Gelalian (a contemporary Lebanese composer, often interpreted abroad by Miss Taky Deen).

On this occasion, President Samuel B. Kirkwood sent the following message with Miss Taky Deen to AUB alumni and friends in Saudi Arabia:

Miss Diana Taky Deen, a member of the faculty of the American University of Beirut and a talented artist regarded by many of her colleagues as "Ambassador Extraordinary" for her University, generously presents this evening a program of music, first for your enjoyment and then for the benefit of her Alma Mater. We are grateful to her and to you for making this delightful occasion possible. I am pleased to send with Miss Taky Deen a brief message of personal greetings to each of you.

This evening's performance coincides with the beginning of the 107th academic year of the American University of Beirut. Over 4,000 students, many are from Saudi Arabia, have registered, and on October 9th classes started following the traditional procession of the Faculty in their academic gowns and an address to an overflow audience of students and faculty in the Assembly Hall.

These are challenging times for young people beginning their careers. We are most appreciative that you, Alumni and friends, have given your support, financial and otherwise, so that our students may have a fruitful beginning as they prepare themselves for responsible roles in the Middle East and throughout the world.

Dr. Mnaymneh Lectures in Damascus

Dr. Walid Mnaymneh, associate clinical professor of orthopedic surgery, and President of the Lebanese Orthopedic Association, was the guest speaker of the newly formed Syrian Orthopedic Association. He delivered last month the first scientific lecture to the Syrian Orthopedic Association at the main conference hall of the Syrian Medical Association in Damascus. The topic of his lecture was "Recent Advances in Orthopedic Surgery."

Dr. Mnaymneh presented analytical studies and observations on the biological behavior of some bone tumors and their treatment, and commented on the

expanding new field of artificial replacement of diseased human joints. He also discussed the newer methods of surgical reconstruction of some of the congenital and acquired deformities of the musculoskeletal system, and showed examples of the improved surgical techniques for the treatment of fractures of long bones and spine.

Recently, Dr. Mnaymneh was elected Lebanon's delegate to represent Lebanon on the central committee of the Mediterranean and Middle Eastern Society of Orthopedic Surgery and Traumatology which has its headquarters in Ankara, Turkey.

Talks arranged by Physics Department

The AUB Department of Physics is arranging the following talks in Room 333, Physics Building.

Prof. K. Bitar of the AUB Department of Physics will give a talk on POSITIVITY CONSTRAINT ON SHORT DISTANCE BEHAVIOR on Monday, December 18, at 4:30 pm.

Prof. N. Nasrallah of the Lebanese University Faculty of Education, Physics Department, will talk of SCALE

DIMENSION OF CHIRAL SYMMETRY BREAKING on Monday, January 8, 1973 at 4:30 pm.

Early this week, Mr. V. Nahapetian of the AUB Department of Physics spoke of THE LIGHT CONE AND SCALING IN ELECTRON PROTON SCATTERING.

All interested parties are welcome to attend. Coffee will be served 15 minutes before the talk.

Papers by Professors Sakkal and Nasser

A paper entitled "A New Fiber Optics Probe for Spectroscopic Measurements of Luminous Flames," by Prof. F. Sakkal of Mechanical Engineering, has appeared in the September 1972 issue of the *Journal of the Institute of Fuel*.

A paper entitled "Contamination of Flashover of Outdoor Insulation" by Prof. E. Nasser of Electrical Engineering has appeared in the June 1972 issue of the *Electrotechnische Zeitschrift Bd. 93*. The paper covers the main topics of

a talk delivered this year by Prof. Nasser to the International Symposium on High Voltage Technology in Munich.

Another paper by Prof. Nasser in cooperation with E.P. Oppenheimer, and A.N. Michel of Iowa State University, entitled "Analysis of Pre-breakdown Current Growth due to two Emission Mechanisms" has been published by the *International Journal of Electronics*, vol. 32, No. 4, 1972.

Dr. Noltenius Lectures on The Malignant Growth

THE SOCIETY OF THE SIGMA XI For the Encouragement of Scientific Research is organizing a lecture by Dr. Harold Noltenius, Professor of Pathology, on the subject of THE MALIGNANT GROWTH.

The malignant growth is the end product of the uninhibited multiplication of a group of cells which, if not controlled in time, will kill the organism. The ul-

timate cause of such a growth might be due to the expression of a tumour-inducing gene in the host cell DNA. Malignant growths are a major challenge to medical care and biological research. Prof. Noltenius's approach to the subject will be from its biological aspects.

The lecture will be given at 8:15 p.m. on Thursday, December 14 in the Faculty Lounge, Ada Dodge Hall.

Prof. Butros on Cell Transformation and abnormal Chick Embryos

Sponsored by the Lebanese Research Council, Prof. Joseph Butros of the AUB Department of Biology has been working on a research project over the past three years on chick embryonic development.

Spermine which is found in many tissues has an affinity to nucleic acids and so might be instrumental in the process of development and differentiation. Studying its effect on chick development was rewarding as it proved to be powerful in arresting differentiation, producing abnormalities in symmetry and organo-genesis as well as altering the characteristics of the brain cells and the red blood cells. Two papers reporting the findings have already appeared in *TERATOLOGY* vol. 6, 1972, and other papers are being considered for publication.

Pursuing the study of spermine action on a molecular level, it was found to increase protein synthesis in the early days of development, but for a still undetermined reason, the amount of hemoglobin drops and the blood vessels are emptied by the 4th and 5th days resulting in regression, abnormalities and death of about one third of the embryos. It is hoped to resume the project and follow up the transformation of the cell types in cultures.

Hepatitis Cases

cont'd. from p. 1

The following schedule should be used as a general guideline for dosages:

Persons' Weight		ISG Dose		Approx.
Kgms.	lb.	(ml.)	cost	L.L.
Less 20	Less 50	1.0		6
20-50	50-100	2.0		12
More 50	More 100	3-4		24

ISG is obtainable from all pharmacies. The Health Service nurses will gladly administer and/or help procure the medication at cost, provided you contact them beforehand for that purpose. Should you have any questions regarding ISG, consult your physician.

Prof. Za'rour Lectures on Education in the Area

EDUCATION IN THE AREA, the sixth lecture in the "Area Lectures Series", was delivered last week by Prof. George Za'rour, Associate Professor of science education and Director of the Science and Mathematics Education Center.

Prof. Za'rour began his lecture by raising certain questions regarding the reliability of the available statistical data of many countries in the region and went on to review the area's educational history.

He discussed education towards the end of the Ottoman rule, education during the foreign occupation and mandates, and education since independence.

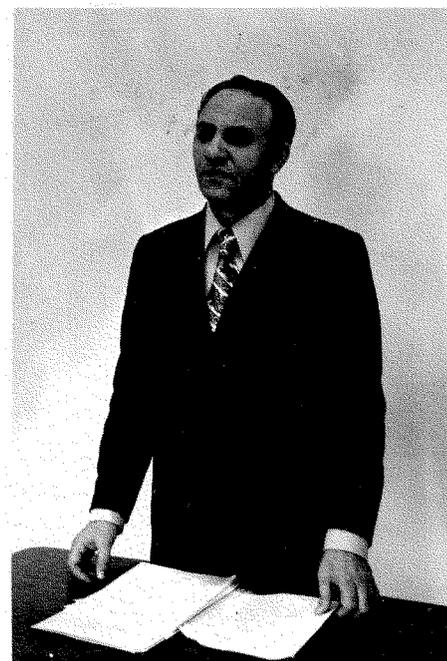
Prof. Za'rour pointed out that the French imposed their own system of education in Algeria, Tunisia, Morocco, Lebanon and Syria, and that with the exception of Syria, the French language became the main medium of instruction in these countries. He stated that during the French mandate, not a single government secondary school was established in Lebanon. This policy, he said, was reflected in a ratio of private to government students of about 4:1 towards the end of the mandate corresponding to a ratio of about 3:4 in Syria.

Prof. Za'rour who explained that in Palestine the British exercised direct control over the education of the Arabs but permitted Jewish organizations to institute a special private educational administration subsidized by the government, gave highlights of education under Britain in Egypt, Iraq and the Sudan.

As Arab countries acquired their independence, he added, their educational systems showed diversity on many aspects: the length of each stage of education, curricula, and language of instruction.

Slides were projected to show the tremendous quantitative growth of education since independence. Prof. Za'rour revealed, however, that 50 percent of youth of age groups (6 - 14) were out of school by the end of the sixties, and that quantitative growth was achieved at the expense of quality, especially in the teaching of foreign languages, science and mathematics.

In discussing the centralization of education followed in all aspects of education, Prof. Za'rour commented on curricula, textbooks, teaching methods and the important role of examinations at



the end of every educational cycle.

The statistical data available on vocational education, reflected a very slow growth except in U.A.R. where the number of students increased about 4.5 times between 1960 and 1968.

On the education of women Prof. Za'rour said that in spite of the substantial increase in the last few decades, the participation of females in education is still significantly lower than that of males. In discussing the percentage of females enrolled in secondary schools the figures for Algeria indicated a substantial reversal of the trend in other Arab countries. The number of students enrolled in 1968 was smaller than that in 1960, while in the other countries the corresponding numbers increased by at least 2.4 times.

He then went on to discuss the issues and problems educational planners have to face.

He quoted the following statement made two years by an educational leader in Egypt: "Because of the tremendous growth in population, we need to build, supply teachers and furnish and equip three schools every day in order to stay where we are and not move backwards in the percentage of students enrolled."

In concluding, Prof. Za'rour pointed out that in exposing these problems his aim is to provide motivation for harder work in order to face an increasingly demanding challenge.

AUB In The Press



The noon paper *Lissan ul Hal* front page bannered and devoted much inside space to the subject of adulterated foodstuffs. The paper quoted Prof. Abdul Hamid Hallab of the AUB Faculty of Agricultural Sciences who revealed that laboratory tests carried out at the faculty showed that bread, meat, dairy products, oils, etc. are impure. Together with the interview, the paper published a commentary headed: "A Lebanese Ralph Nader is needed in Lebanon."

Referring to a TV panel in which Prof. Hallab participated three weeks earlier, the paper said it was noticed that

he was withholding what it described as grave information.

Prof. Hallab's reticence at the panel, the paper remarked, led its reporter to interview him.

The above information was also the subject of a caricature in *An-Nabar*, and of an interpellation which M.P. Fuad Tehini submitted. He referred to Prof. Hallab's interview in *Lisan ul Hal* and asked the Government to announce if the authorities concerned are aware that adulterated foodstuffs are being sold and, if so, what measures are taken to protect the consumer.

Under the headline "American University Looms Among Unique Institutions," *The El Paso Times* published a long article on the history and achievements of AUB. Excerpts:

The 106-year service of AUB to the Middle East has not been in the field of education alone. Most recent research is in agriculture, science and medicine; and the results have been beneficial to the people of the region. For instance, AUB researchers have discovered cures for malnutrition and a type of blindness in children. In Agriculture, modern techniques have been introduced to help meet the rising need for food. A new type of wheat specifically suited to the needs of the region has been developed.

In science and related fields, there are also encouraging developments. An entirely new and successful method of producing vinyl chloride has been developed. This will ultimately save millions of dollars for producers of polyvinyl chloride throughout the world. And in future years, conventional concrete may have to give way to a newly developed type of concrete which offers a wider variety of applications.



The French language *L'Orient-Le Jour* interviewed early this month Miss Madeleine Shammass, the "first woman civil engineer to graduate from AUB." Miss Shammass whose maternal grandfather, uncles and brother are engineers, is quoted as saying "no career is impossible for a woman these days."

Miss Shammass is now employed at the Association of Consultant Engineers (ACE) whose managing director, Mr. Khalil Maalouf (AUB '45 and former faculty member) was early this month elected President of the Order of Engineers and Architects.



The work camp which the AUB Civic Welfare League recently established for a week at the Tell Zaatar refugee camp near Beirut was covered, with several pictures, in *Al-Anwar*.

30 AUB men and women students—with women students from BCW—

helped in building sewer conduits and facilities.

Early last month, 60 men and women of the Civic Welfare League went to Hasbaya, in South Lebanon, where they built a shelter and repaired three houses.

Byron Porter Smith Lecture Series

The Department of English and the Division of Extension and Special Programs have released their schedule for the *Byron Porter Smith Lecture Series* for this academic year.

The inaugural lecture: *The Voices in Chaucer's "Nun's Priest's Tale"* was this week given by Prof. D. Cook.

The remaining lectures in the series will be given at 7:30 p.m. (Lecture Room — West Hall) on the following dates:

JANUARY 17: Prof. G. Taylor: *Anthony Trollope: A Century of Lizzie Eustace.*

JANUARY 31: Prof. J.M. Munro: *Theo. Marzials: Sweet Singer and Pigeon Fancier.*

FEBRUARY 7: Prof. G. Maleh: *John Hynd: A Study in Professional Plagiarism.*

FEBRUARY 28: Prof. N.J.Q. Bratton: *Transformations and Messages in English.*

MARCH 28: Prof. P. Gotch (Guest Lecturer): *The Influence of the East in the Plays of Shakespeare.*

APRIL 18: Prof. B. Alsleben: *Robert Frost's Reception in Germany.*

MAY 9: Prof. R. Murphy: *D.H. Lawrence's Italian Books: "Twilight in Italy", "Sea and Sardinia", "Etruscan Places".*

MAY 16: Prof. M. Hallab: *The Arab in Nineteenth-Century American Literature.*

MAY 23: Prof. S.B. Bushrui: *Shakespeare's "Richard II": A Political Interpretation.*

Byron Porter Smith (1889-1957) was Professor of English and Chairman of the Department of English at AUB from 1920 until 1953. This lecture series is dedicated to the memory of Professor Smith in appreciation of his distinguished services to his students, the University, the Department of English, and the peoples of the Middle East.

Mreiji Family Health Center

The Family Health Care Program is an experimental project intended to promote the concept of community health and to provide health services which are not characterized by fragmentation, inefficiency and individualistic approaches. To embrace all socio-economic levels, the program involves a peri-urban, an urban and a rural locality, and is but one facet of a broader program of education and research in community health care which is undertaken by the AUB Faculty of Medical Sciences.

Mreiji is the peri-urban sector where the "Mreiji Family Health Center" is located.

In a declaration to the BULLETIN, Dr. Jamal K. Harfouche, Professor of Maternal and Child Health and Chairman of the Department of Community Health Practice, explained that Mreiji was chosen because it is a peri-urban sector and such sectors are known to be the core of health problems in developing countries.

The center is a joint undertaking by the AUB Faculty of Medical Sciences and the Mreiji Municipality. The premises and part of the equipment, supplies and personnel are provided by the Municipality of Mreiji. As to financial support, it is supplied by the local community, AUB sources mainly in manpower, a research grant from the Commonwealth Fund, and annual admission registration fees by members of families. 762 Mreiji families—out of 1264—have joined the Center. In consultation with the Municipal Council, minimum fees are collected to make the center services available to all sectors of the community.

Dr. Harfouche went on to explain that the numerous center services include: maternal health and family planning, child health, immunization, internal medicine for adults, daily home visits, environmental health, laboratory and school health.

Two out of the seven schools of Mreiji are selected for this pilot project which aims at developing an adapted school health service system, but all schools in Mreiji receive immunization and screening tests—weight and height periodic measurements, visual acuity, audiometry, dental screening, P.P.D. (TB tests), periodic physical examination, sanitary services, health education and first-aid, together with the occupational health service which examines work conditions at 65 small local factories. All

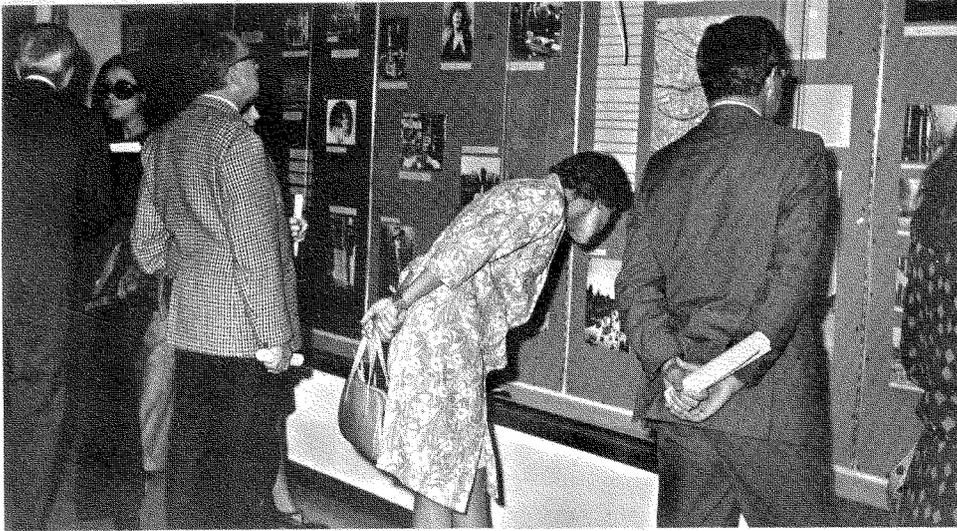


these services are completed by follow-ups mainly on maternal and child care, since mothers and children are the most vulnerable groups and constitute 65% of the local population.

An AUB team of physicians, pediatricians, obstetricians, internists, public health nurses, nurses/midwives, sanitarians, statisticians and auxiliary workers together with a number of Public Health trainees are performing these services.

Dr. Harfouche pointed out that the Mreiji center is providing all members of the AUB health team with a unique opportunity for in-service training. Moreover, participation in service planning, administration, record keeping and analysis, has been a source of education for the improvement of skills, techniques and approach in ambulatory health care. The experience gained through the exploratory phase of the Mreiji Health Center has led the municipalities of Borj-el-Brajneh and Hadath to consider plans for similar health centers with the support of the Lebanese Ministry of Public Health, Office of Social Development and other public services.

James Joyce Exhibition



Sir Desmond Cochrane, Honorary Consul General of the Republic of Ireland in Lebanon opened this week the James Joyce Exhibition at the AUB Central (Jafet Memorial) Library.

The opening ceremony was attended by President Samuel B. Kirkwood, a number of ambassadors, Professors Vivian Mercier and Douglas Duncan as guests of honor to commemorate the 50th anniversary of the publication of Joyce's *Ulysses*, AUB faculty members and students.

The exhibition, assembled and edited by the AUB Department of English under the supervision of its chairman Prof. Suheil Bushrui, is a pictorial biography illustrating selected aspects of the life and work of James Joyce (1882-1941).

In his speech, Sir Desmond Cochrane thanked AUB for its valuable efforts in the service of culture and education in Lebanon and the Arab world, and spo-

ke of the University's services in various fields. Sir Desmond referred to AUB graduates who are helping develop the Middle East area. He concluded by offering the thanks of the Irish Government to the American University of Beirut for introducing Irish culture to Arabs, particularly through the cultural exhibits which AUB has been organizing, such as the two previous ones on Yeats and Synge.

In thanking Sir Desmond for his speech, President Kirkwood described the exhibits as a happy kind of cultural meetings and human understanding. These exhibits, President Kirkwood said, have pictured men of a small nation with a remarkably universal outlook and they have shown the unusual depth of perception of the men of another small nation, world-wide in their own appreciation

Prof. Bushrui, who began his speech by asking "why should we here in the Arab world wish to honor an Irish writer and poet?", went on to say: The answer lies not in events or facts but in things less tangible. There is a certain affinity of spirit and sentiment which reveals itself most clearly in a similar attitude towards language; a common devotion to the manner of expression: a heady delight in the hypnotic rhythm of the music of speech, a sensuous feeling of the texture of words. The effect on the hearer (for, to both Irishman and Arab, the written word must be heard) is one of enchantment. The Arabs call this "lawful magic" (Sihr halal).

So when the truth came to them from Us they said: this is surely clear enchantment

(The Holy Qur'an, X:76)



Prof. Bushrui and members of the Exhibition Committee.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



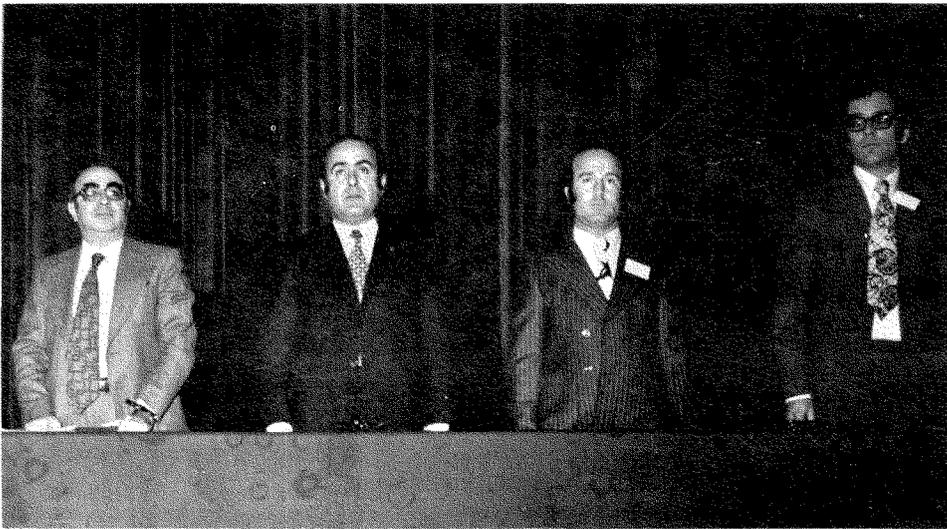
Address
To:

Stamp

.....
.....
.....
.....
.....
.....



127 AUB Professors Participate in Lebanese Association Science Meeting



L. to r.: Dr. J. Naffa, Secretary General of the National Research Council; Dr. G. Saadé, Minister of Planning; Dr. S. Abu-Shakra, Secretary General, LAAS; the keynote speaker Mr. Gordon Conway, Imperial College, London.

The Fourth Science Meeting organized by the Lebanese Association for the Advancement of Science was opened last week at the UNESCO Palace in Beirut by the Minister of Planning, Dr. Georges Saadé. Prof. Salah Abu Shakra, Secretary General of the Lebanese Association for the Advancement of Science, and professor of Seed Technology at the American University of Beirut has declared that 143 papers were submitted at the above science meeting. 127 of the professors who participated in this meeting are members of the four faculties of AUB.

Prof. Abu Shakra pointed out that most of the participating professors were Lebanese and Arabs. 185 professors specialized in the various fields of science participated in the preparation of the papers presented at this meeting. The organizations which contributed to the work of the meeting were: the Lebanese University, the American University of Beirut, the University of St. Joseph, the

Centre d'Etudes Mathématiques, the Institute of Agricultural Research, the Ford Foundation and the National Council for Scientific Research.

The Secretary General of the Lebanese Association for the Advancement of Science went on to explain that in holding such scientific meetings, the Association aims at creating a scientific atmosphere which will enable scientists to acquaint themselves with and discuss various scientific achievements.

The subjects under discussion at the 3-day meeting were organized according to specialization in Agriculture, Biology, Chemistry, Engineering, Mathematics, Medical Sciences, Nutrition, Physics and Social Sciences.

AUB's contribution to the Fourth Science Meeting can be rightly assessed on reading the list of participating professors and the research papers they submitted which appears on pages 5-6.

Dr. J. Azar of AUB Elected President of Lebanese Order of Physicians



Dr. Joseph Azar (AUB M.D. '46) was last Sunday elected President of the Lebanese Order of Physicians by the Order's general assembly at the UNESCO Palace in Beirut. Dr. Azar obtained 340 votes against 326 for his opponent Dr. Naaman Bustani (AUB M.D. '48).

Doctors Alex Kouyoumdjian (AUB M.D. '47), Wafiq Tabbara and Richard Saliba were also elected members of the Order's council, in addition to Doctors Munir Shamma'a and Salim Firzli (both AUB medical alumni) who were elected members of the council's Disciplinary Committee. It is worth mentioning that the 12-man Council of the Lebanese Order of Physicians includes as well Doctors Bahij Azouri, Amal Kurban and Jacob Thaddeus, all three of the AUB Medical Alumni Association.

In a declaration, Dr. John Malak, President of the AUB Medical Alumni Chapter commented favourably on the order and sportsmanship which prevailed at these elections, and on the large turn-out of physicians who cast their votes—about 600 out of a total of 980 members of the Order.

He also praised the perfect attitude of both candidates, pointing out that the new president, Dr. Azar has been accorded the confidence of the whole assembly, and has thus fulfilled his wish to

(cont'd. on page 3)

OUR NOTICE BOARD**University Chapel Services**

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

At its meeting of December 15, the Senate voted to extend the Winter Vacation by one day. Thus Winter vacation begins on December 23, at 1:00 p.m. and ends on Tuesday January 2, at 10:00 p.m.

A Grand Bridge Tournament, sponsored by the AUB Bridge Club, will take place on Friday, December 22, 1972, in the Faculty Lounge — Ada Dodge Hall, starting at 7:00 p.m.

FRIDAY, Dec. 22

— ENGINEERING STUDENT SOCIETY — CHRISTMAS BALL, West Hall — Common Room, 8:00 p.m.-1:00 a.m. *By Tickets.*

THE ALUMNI CLUB takes pleasure in inviting Alumni Children and their Friends to a special

CHRISTMAS PROGRAM on Saturday, December 23, at 2:30 p.m. at the Alumni Club

Children preferably be accompanied (Ages 4-12)
Games — Prizes — Gifts — Lottery — Refreshments

FATHER CHRISTMAS**NEW YEAR'S EVE**
at

THE ALUMNI CLUB
Dinner and Dance
Eat, Drink and be Merry
open to Alumni and their friends
buy your tickets before the 28th of
December — Tel. 340817-8-9

**SCIENCE FOR THE PUBLIC
LECTURES SERIES**

Prof. Kanaan Kano
on

THE GIANT DWARFS
(The Micro-Electronic Revolution)
Wednesday, January 10, 1973
8:00 p.m. — West Hall

1973 AUB Telephone Directory

The 1973 AUB Telephone Directory which was distributed last week is a job well done by Business Services. For the first time, the cost of printing was covered by advertisements in the yellow pages section. The cover design was made and donated by Mr. Zahi Khuri, Director of University Publications.

**Prof. J. T. Manassah Lectures on
The World of Extremes**

The third lecture in the "Science for the Public" series was given this month in West Hall by Prof. Jamal T. Manassah of the AUB Physics Department; it was entitled the World of Extremes.

Prof. Manassah began by stating that the three fundamental units of physics are mass, length and time, and that twentieth century physics is the study of phenomena associated with the extremes of these quantities.

After a detailed technical explanation of this concept, he exposed some of the striking phenomena of the physics of the extremes as follows:

1. At high velocities (near to velocity of light) absolute time loses its meaning and an adequate description of the physical phenomena requires the intermixing of the space (length) and time coordinates. Simultaneity is only relative to a special reference system and observers moving with respect to each other measure time differently.

2. Around very heavy objects the structure of space time changes drastic-

ally and loses its absolute value. Space takes the form of Rubber Sheet Geometry, i.e. the heavier the mass, the deeper the distortion in it; in the extreme it could even drill a hole in it, called the black hole. A consequence of this change in this geometry is that light near to heavy objects bends since it tries to follow the geometry of the space, and in the case that the object is a black hole, light gets so much bent that it can never escape.

3. For very light objects the deterministic view of the universe is lost, one does not speak any more of the position of a particle but rather of its probability to be at a certain point and the position and the velocity of a particle cannot be determined simultaneously to any desired accuracy (uncertainty principle). This principle is at the basis of the stability of matter, or the existence of the hydrogen atom.

For the first time, high school students from the city of Beirut and from other parts of Lebanon attended the lecture.

Seminars on Law and Population in the Lebanon

The Population Studies Program of AUB has announced a series of seminars on "Law and Population in the Lebanon" to be given by Dr. Georges Deeb, Assistant Professor of Political Studies and Law at the Lebanese University.

This series of seminars is designed with a view to show the relation between law and family planning.

The first two of these AUB sponsored seminars will be given by Dr. Deeb in Room 416 Nicely Hall (4:30-6:00 p.m.) on the following dates:

Tuesday, Jan. 2, 1973

Tuesday, Jan. 9, 1973

The topic of these two seminars will be Fertility Regulation (sterilization, contraception and abortion).

Members of the community are invited to attend and participate in this series of seminars.

Prof. Adib Saad At Congress in Portugal

Prof. Adib Saad, Associate Professor of Plant Pathology at the Faculty of Agricultural Sciences participated in the Third Congress of the Mediterranean Phytopathological Union which was held in October this year in Oeiras, Portugal. Prof. Saad presented a paper entitled "Investigations on *Leveillula* species in Lebanon." *Leveillula* species cause powdery mildew diseases on several economic host plants especially on the solanaceous crops such as tomatoes and potatoes.

Prof. Saad presided at one of the sessions of the Congress. He is also the Liaison Officer of the Union for Lebanon and is a member of the Editorial Board of "Phytopathologia Mediterranea," the scientific Journal published by the Union.

Dr. Azar President of Order of Physicians

(cont'd. from page 1)

cement the unity of the medical corps.

The new president, Dr. Azar has declared that there is no real difference between him and his opponent, Dr. Bustani, as both are inspired by the same principles.

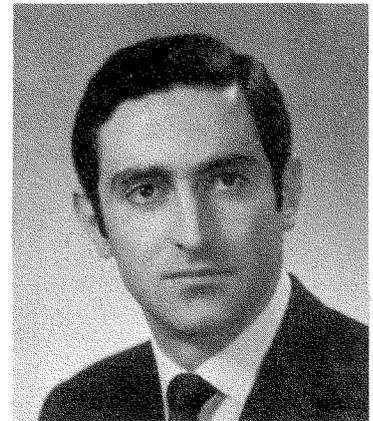
Referring to rumours of a conflict between medical graduates of the French Faculty of Medicine and of AUB, Dr. Azar described these rumours as a bad joke and stressed that the medical corps is a unified entity.

New Faculty Members

Dr. Amin Y. Barakat

Dr. Amin Y. Barakat's specialty is Pediatrics and Pediatric Nephrology. Born in Beirut Dr. Barakat had his college education at AUB where he obtained his B.S. in 1963 and received his M.D. in 1967. He did his Pediatric training at AUH (1967-69), the Johns Hopkins University Hospital, Baltimore, Maryland, USA (1969-1970, and Pediatric Nephrology training at the Georgetown University Medical Center, Washington, D.C., 1970-72.

His societies and affiliations include: Diplomate of the American Board of Pediatrics; Member, American Society of Nephrology; Member, International Society of Nephrology; Corresponding Fellow, American Academy of Pediatrics; Associate in Pediatrics.

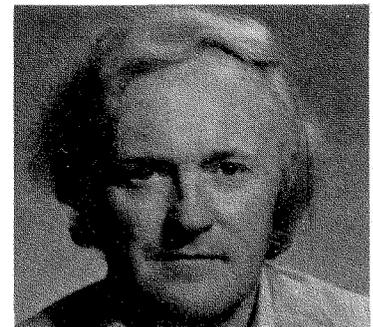


Dr. Barakat is married to Amal Nasar, B.A. 1966, M.A. 1969 and has one girl.

Prof. John N. Colt

Prof. John N. Colt, visiting professor at the Department of Fine and Performing Arts is teaching painting and design. Prof. Colt is replacing Prof. Arthur Frick who is on leave and who, in turn, is replacing Prof. Colt at the University of Wisconsin, Milwaukee.

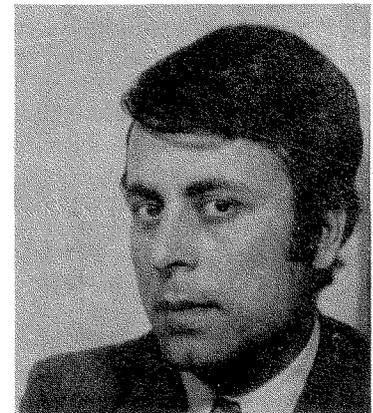
Prof. and Mrs. Colt are living and maintaining a studio in Beit Meri. Prof. Colt's painting, which is motivated by small forms of nature, is developed in acrylic paints and pastel chalks.



Mr. Nabil T. Watfa

Mr. Nabil T. Watfa, Instructor in Occupational Hygiene was born in Acre. In 1964 he graduated from the English Section of International College and four years later graduated with a B.Sc in Environmental Health from the AUB School of Public Health. In 1968 Mr. Watfa joined the Faculty of Medical Sciences as a Research Assistant in Environmental Health and received the Certificate of Registration as a Registered Sanitarian with the National Association of Sanitarians in Denver, Colorado.

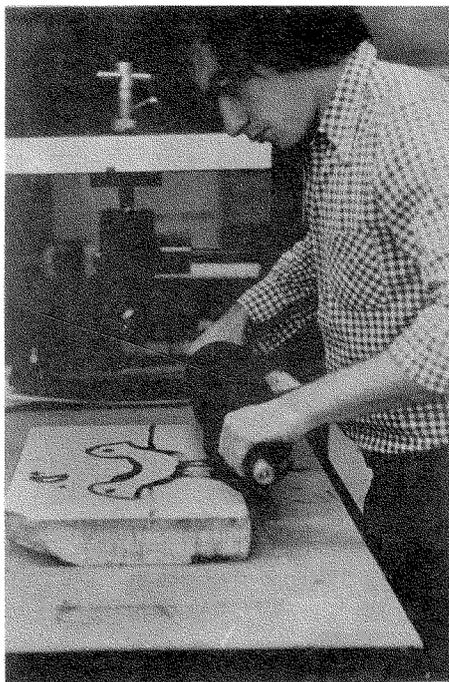
After two years of employment with AUB he resigned and attended the London School of Hygiene and Tropical Medicine, University of London, and got his M.Sc in Occupational Hygiene in 1972. During this period his sponsor was Bluebird Travel Ltd., London. In September this year he joined the AUB Faculty of Medical Sciences as Instructor in Occupational Hygiene, Department of



Environmental Health.

Mr. Watfa is a member of the Lebanese Public Health Association, the British Occupational Hygiene Society, and the Royal Society of Health, England. Besides painting, his hobbies include fishing and hunting. He is single and lives in Zalka, near Beirut.

Lithography Classes



The Department of Fine and Performing Arts has introduced a new aspect to its offerings in the field of printmaking. The new addition is lithography. The technique of hand lithography was used throughout the Middle East for commercial printing during the 19th and early 20th centuries but has since fallen into disuse with the development of photolithographic printing.

The Department's introduction of lithography parallels a worldwide renaissance of interest in printmaking by hand by artists, and lithography is one of several printmaking techniques offered by the Department. Others include etching, engraving, and silkscreen. Printing in the technique of lithography has been made possible by the recent acquisition of a Charles Brand press from New York, and lithographic stones from Germany. Every step in the printing process is done by hand by students, just as it was in the lithographs of Goya, Toulouse-Lautrec, and Daumier in the 19th century.

Prof. Peter Harrison Smith, instructor in the printmaking class, has been pleased by the widespread enthusiasm for lithography. The current class is attended not only by art students, but also by practicing artists in the Beirut community, as auditors. The introduction of lithography by the Department marks the first time that instruction in this technique has been made available to Middle Eastern artists in the Middle East.

758 Bursary and AID Students

Seven hundred and fifty eight bursary and AID students were registered at the opening of the 1972-73 academic year. They come from 34 countries and are sent by over 37 sponsors. In addition to the 473 AID sponsored students, there are 254 bursary students and 28 trainees sent by over thirty seven sponsors. The Director of the Bursary Students Office, Prof. Louis P. Cajoleas, explained that a bursary sponsor is any government ministry or agency, international organization, business firm, university, philanthropic foundation or other public or private institution, which sends students to study at its expense at AUB.

The Bursary Students Office acts for AUB as the liaison and administrative center for all sponsors who need not attempt to correspond or deal with a number of offices or departments at AUB for each bursary. The Bursary Students Office processes all applications, requests, instructions, etcetera, within AUB and responds regularly or as necessary back to the respective sponsor. Among its several responsibilities are the following: announcing calendars and procedures, reserving places at AUB, receiving and processing applications for admission, arranging for testing at AUB and in the home country, meeting new arrivals at the airport, processing various requests for room reservations, special information, changes in programs, issuing required textbooks and supplies, monthly allowances, sending academic progress reports to sponsors, carrying out sponsor's instructions, redemptions, etc. It is the AUB center to which the new and continuing bursary and AID student turns for answers to questions about his status vis-à-vis the sponsor, or for guidance or referral with regard to academic or personal matters. Moreover, faculty and departments and schools use the Bursary Students Office as their reference point and coordinator with respect to sponsored students.

The Bursary Students Office also cooperates closely with the office of the Registrar, the Comptroller, the University Health Service, the Dean of Stu-

dents, the Bookstore and the several faculties and departments in which sponsored students are registered.

Furthermore, the Bursary Students Office is the liaison center for special training requested by sponsors. Each of the twenty-eight trainees on campus require an individualized program in terms of their own academic and experience background and their current and future responsibilities. As a rule, arranging for specialized programs for trainees is the responsibility of the Division of Extension and Special Programs. Trainees may have a study sojourn of a few weeks, several months, or a year or longer. There are currently trainees in Arts and Sciences, Agriculture and Medicine. From time to time there are non-academic trainees for whom on-the-job training has been arranged in one or more administrative departments. These current trainees have come from Bahrain, Egypt, Kuwait, Sudan, Syria, Iraq, Saudi Arabia, Oman, Afghanistan, and Ghana.

The Bursary Students Office is also the center for participant matters in connection with all special non-degree and certificate programs offered by the Division of Extension and Special Programs. During the past summer the following were offered: Colloquium for University Administrators; Secondary School Institutes: The Teaching of modern Mathematics, and the Teaching of Environmental Sciences; Secondary School Administrations Workshop; Management Development Program; Libraries Institute on College and University Library Administration; Teaching of English for Kuwaiti Teachers; and a Special Program in Agriculture for Libyans. All told the registration in these programs was 248. Regular students enrolled in the 1972 summer session were 246 AID and 166 bursaries. Thus, the Bursary Students Office was the administrative center for some 660 students during the past summer. Currently the Division of Extension and Special Programs is planning for new summer programs for 1973 for which larger numbers of AID and bursary participants are expected.

127 AUB Professors Participate in Fourth Science Meeting at UNESCO Palace and Submit 75 Papers

AGRICULTURE

- A.R. Saghir, et al**
The Effect of Activated Carbon on Soil-Applied Herbicides.
- A.R. Saghir, et al**
Studies on the Biology and Control of *Orobanche Ramosa* L.
- H.G. Studt and H.C. Weltzien**
Epidemiology and Control of Apple Scab in Lebanon
- H.D. Henderson, and M. Almassi**
Deep Tillage Versus Conventional Tillage in the Beqa'a Plain
- N.A. Gill and D.W. Bray**
Effect of Fall Harvest Management on Spring Recovery, Hay Quality, and Yield of Alfalfa
- Kh. Rashid and A.T. Saad**
The Effects of Growth Regulating Substances on the Incidence and Severity of Chocolate Spot Disease of Potatoes
- H.G. Nasr**
Effect of Water and Nitrogen Increase on Yield and Other Characteristics of Three Wheat Varieties
- M.M.B. Solh and D.W. Bray**
Development of Maize Synthetics Through Two Cycles of Mass Selection Among Five Double-Double Crosses
- F. Hussain, A.N. Bhattacharya and M. Uwayjan**
Effect of Environmental Temperature on Nutrient Utilization in Sheep
- M.N. Asghar and A.N. Bhattacharya**
Adaptive Changes as Related to Urea Feeding in Ruminants
- A. Rabbani, N.J. Dagher and S.S. Akrabawi**
Serine-Glycine Interrelationship in Chick Nutrition
- J.A. Asmar, et al**
Effect of Sulfonamide Medication on Cellular and Humoral Blood Components in the Young Chicken
- B.A. Greene and M.B. Issi**
Costs and Returns for Mexipak and Other Traditional Wheat Varieties in Lebanon
- F.M. Al-Haj and M.K. Qamar**
Relationship Between Agricultural Extension and Research with Emphasis on the Role of the Subject-Matter Specialist
- M.A. Khan and R. Nightingale**
Economics of Production of Mexipak and Local Wheat Varieties
- B.A. Greene and H. Farhat**
The Feed-Livestock Economy of Lebanon with Projections to 1976 and 1981
- M.H. Abdullah and T. Stickley**
Effect of Tangible Security of Farm Credit in Shendi District, Sudan
- R. Murakkadah and T. Stickley**
The Situation of Agricultural Credit in Lebanon
- T. Dada and R. Nightingale**
Lebanese Agriculture in the Arab Common Market

- S. Kayimoglu and T. Stickley**
The Economics of Fertilizer Use in Sugar Beet Production in Turkey
- N.H. Sipraw and R.W. Nightingale**
Buyer Preferences for Wheat Varieties, Lyallpur, Pakistan
- N. Abou Ghanima and S. Yacoub**
Factors Affecting Consumption of Frozen Meat in Two Selected Areas in Beirut, Lebanon
- F.M. Al-Haj and R.A. Malkana**
The Nature and Structure of Leadership in Selected Rural Communities of West Pakistan

BIOLOGY

- J. Butros**
Action of Spermine on the Blood of the Early Chick Embryo
- S.A. Chaudhary**
Further Studies on *Iris* Subgenus *Oncocyclus* in Lebanon and Syria
- A. Acra, R. Milki and F. Acra**
The Occurrence of Amber in Lebanon
- K. Tabbarah and J.C. Makemson**
Autolysis of *Sphaerotilus Discophorus* 35S and a Non-Lytic Variant
- H. Khyami and J.C. Makemson**
Taxonomy and Physiological Groups of Bacteria Isolated from an "Unpolluted" Lebanese Sandy Beach
- N.C. Hulings**
Comparison of the Meiofauna of a Sewage-Polluted and Unpolluted Beach in Lebanon
- J.C. Makemson, R.J. Avolizi, M.M. Gowing, Mary-Jo Ferro and M. Nuwayhid**
Nutrient Analysis of Polluted and Unpolluted Sea Water Around Beirut
- I. Awad and J.C. Makemson**
Nitrification Potential and Isolation of Three Unique Nitrifying Bacteria from Lebanese Coastal Waters

ENGINEERING

- L. Keushkerian and S.V. Khoury**
Block Diagram System Simulation
- M. Mukaddam**
Constitutive Relations of Concrete
- N.H. Sabah**
Controlled Mechanical Stimulation of Peripheral Receptors
- M.A. Hamdan**
On the Continuity Correction in Approximating Discrete Distributions
- P. Heymand**
Spinor Co-ordinates on a Quadric
- Peter Yff**
On Products of all Elements of a Finite Group

Papers Cover Agriculture, Biology, Engineering, Medicine, Nutrition and Physics

MEDICAL SCIENCES

- C.I. Abou-Chaar, S. Shamlan and T. Abu-Shahine**
The Assay of a Cough Syrup for its Content of Three Basic Ingredients
- E.N. Vorperian, et al**
Phase Solubility Principles Applied to the Analysis of Chloramphenicol in Pharmaceutical Dosage Forms
- R.M. Dajani, et al**
In Vivo Reduction of (—)-Nicotine-1'-N-Oxide in Germ-Free and Conventional Rats
- C.I. Abou-Chaar and G.H. Aynilian**
Phytochemical Investigation of Native *Amaranthus* Species
- N. Bahuth and M.Z.M. Ibrahim, et al**
Ultrastructure of Mast Cells in Rat Brain
- E.N. Vorperian**
Ion-Exchange Techniques Applied to the Separation and Analysis of Four-Component Systems
- A. Birbari**
Renin-Angiotensin System and Acute Renal Failure
- Ch. Allam and S. Alami**
Blood Component Therapy: Three Years Experience at the American University Hospital
- A.B. Bikhazi and J.J. Hajjar**
A Probable Role of Micelle Solubilization in Solute Transport Through the Isolated Rabbits Intestine
- Y.M. Khreis, M.Z.M. Ibrahim and D.S. Koshayan**
The Uptake of Radioactive Sulfur, Histidine, 5-Hydroxy-tryptophan and Thymidine by the Mast Cells of Rats and Guinea Pigs
- A. Dakkuri, P. Naccache and R.I. Sha'afi**
Cation Transport in Camel Red Cells
- Y.Z. Kouyoumjian, G. Garabedian and A.F. Haddad**
A Survey of Bacterial Contamination of Tablets and Capsules
- G.J. Frayha**
The Lipid Composition of the Parasitic Tapeworm *Taenia Hydatigena*
- M. Uwaydah**
Carrier Rate of Neisseria Meningitidis in Lebanon and the Occurrence of Sulfonamide Resistant Strains
- M. Shimali and R. Matossian**
Total Immunglobulin Levels in Typhoid
- N.H. Nabbut**
Elevated-Temperature Technique for the Isolation of Salmonellae from Sewage and Human Feces
- A. Malakian**
Suppression of Antibody and Cell-Mediated Immune Responses by a Cytoplasmic Component of Group A Streptococci
- M.Z.M. Ibrahim, Y.M. Khreis and D. Koshayan**
The Histochemical Identification of Microglia
- F.B. Najjar, M. Ilbawi and H. Noltinius**
The Effect of Bile Duct Ligation and Ligation of the Portal Vein on Liver Regeneration in Rats
- M.S. Slim, M. Ilbawi, S. Khuri and G. Meneshian**
Hemodynamic Changes After Tricuspid insufficiency and Atrial Septectomy in Dogs

N.H. Nabbut and A. Hakim

- Quantitative Determination of the Number of Bacteria in Urine by Dip-Slide Method
- S.T. Zaynoun, I.S. Salti, J. Malak, F.S. Farah and A.K. Kurban**
The Effect of Intracutaneous Glucocorticoids on Plasma Cortisol Levels
- S. Zawaneh and A. Malakian**
Antigenic Studies on an Immuno-Suppressant Obtained From the Cytoplasm of Group A Streptococci
- A. Kanawati, O. Darwish and D.S. McLaren**
Socio-Economic Background to Failure to Thrive in Lebanon. Family Income, Possessions and Expenditures

NUTRITION

- R.I. Tannous, N. Karkanawi and S. Abu-Shakra**
Studies on Improving Cooking and Nutritional Quality of some Legumes Seeds
- S. Aprahamian, G. Bikhazi and E. Pascoe**
Iron Absorption from Arabic Bread Supplemented with Iron Salts
- S. Aprahamian, G. Bikhazi, M.S. Mameesh and E. Pascoe**
Absorption of Foodstuff Iron in Relation to Blood Hemoglobin in Humans
- U.S. Yaktin, D.S. McLaren, A. Kanawati and S. Sabbagh**
Malnutrition and Intellectual Growth: A Longitudinal Study
- M. Charabati and D.S. McLaren**
Influence de la Vitamine A sur Quelques Protéines Sériques du Rat
- N.S. Kawar et al**
Metabolism of Parathion in Wine
- A.H. Hallab, H. Dumit and J. Asmar**
The Detection of Powdered Milk Added to Fresh and Processed Milk
- S.S. Akrabawi and J.P. Salji**
Physiological Effects of Feeding "Carbo-Hydrate-Free" Diet in the Rat

PHYSICS

- K.M. Bitar**
Unifield Light-Cone Treatment of Scaling and a Positivity Constraint on Short-Distance Behavior
- T.C. Christidis and F.W. Heineken**
A Microwave Cavity for High Power Endor Spectroscopy
- J.T. Manassah**
Superconductivity, π Phase Transition and Neutron Stars
- F.W. Heineken and T.C. Christidis**
Endor Investigation of some Free Radicals in Solution
- K. Schilcher et al**
An Estimate of the Sigma Term in K^+ -P Scattering
- G.E. Watson**
Pumping in HE II by Low Frequency Sound

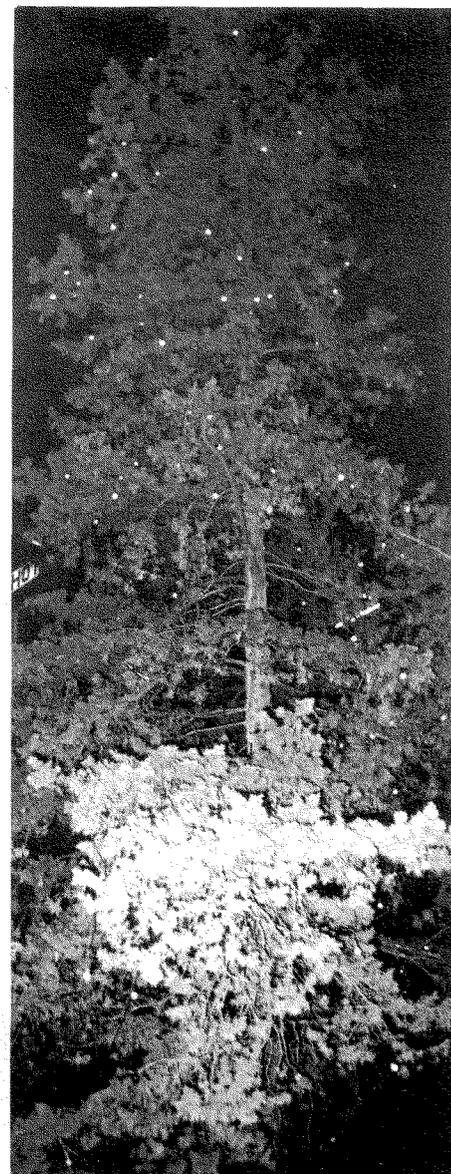
Children Thoroughly Enjoy Christmas Program



The traditional Christmas program of the Women's Association of AUB was thoroughly enjoyed by community children who assembled with their parents last Thursday at 5:30 p.m. near the Main Gate for the lighting of the Christmas tree. To the applause and merriment of the children, President Samuel B. Kirkwood lit the bright Christmas lights of a tall evergreen before proceeding to West Hall for a Christmas pageant.

Christmas songs by the ACS choir were directed by Mrs. Carol Schaub of ACS. The arrival of Santa Claus (some said it was a senior University officer) with his presents was happily received by an expectant crowd of children.

Each family attending brought a wrapped gift to be given to less fortunate children at a party to be held soon by the Women's Student Organization.



Prof. Arnita Conducts Christmas Musicale

The Twenty-Fourth Annual Christmas Musicale was presented on Sunday to a packed audience at the Assembly Hall. Prof. S. Arnita conducted the University Choir and Soloists (65 members) with Orchestra and Organ (28 musicians).

Several ambassadors and cultural attachés, members of the AUB Board of Trustees, professors, students, as well as friends of the University were present.

The program consisted of works by Bach, Telemann and Arnita and of excerpts from Haydn's Creation.

Courses for Full-Time Academic and Non-Academic Personnel

The Director of Personnel has announced that, subject to the approval of the department concerned, full-time academic and non-academic personnel wishing to take courses will be allowed a maximum of six clock hours (not credit hours) per week in this academic year, October-June.

Not more than three clock hours can be allowed during regular office hours.

In the summer session, a maximum of five clock hours will be allowed per week

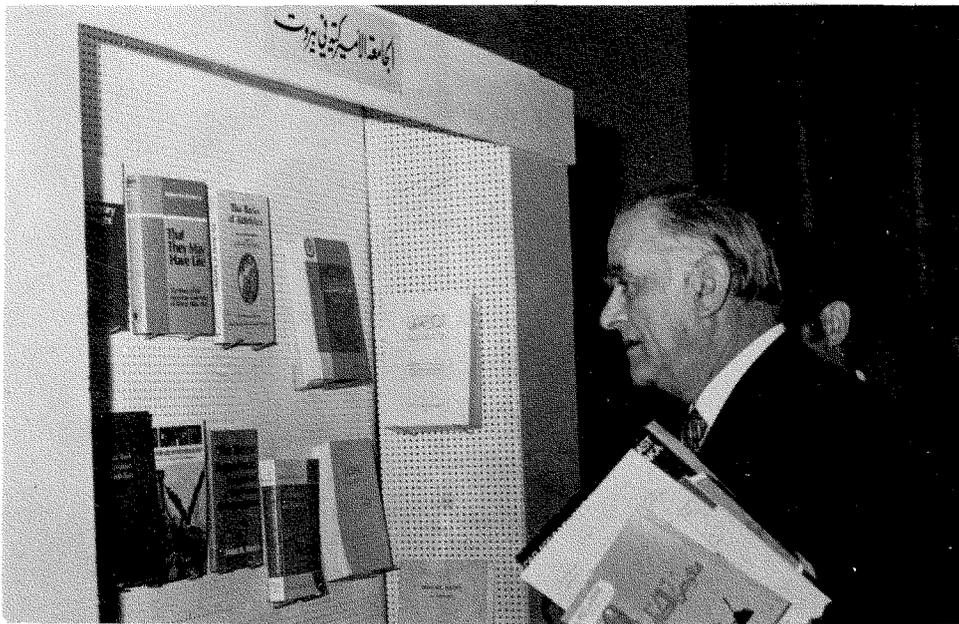
provided they fall outside the regular office hours.

Full-time personnel taking courses which fall during regular office hours will be required to work an equal amount of time outside the regular office hours.

Full-time personnel who plan to enroll in courses during the second semester are requested to submit immediately their applications through their supervisors.

AUB In The Press

THE LOCAL PRESS



In reporting the opening of the 18th International Book Fair by the Deputy Prime Minister and Acting Minister of Education, Dr. Albert Mokheiber late last month, the press published pictures showing Dr. Mokheiber looking at the

AUB stand. Twenty books published by AUB were displayed at this fair which was sponsored by the Arab Cultural Club. AUB has been publishing academic books under its imprint for over 30 years.



The acquaintance party held early this month at West Hall by the General Federation of Palestine Students—Lebanon Branch, was reported in *Al-Anwar*. At the party, Prof. Nabeel Shaath discussed the student role in revolution, and Mu'een Khuri, spoke of the federation's achievements. Women students wearing the Palestinian national dress offered refreshments.



The monthly meeting which the AUB Women's Association held early this month at the Danish Food Center in Hamra was reported in the Sunday Supplement of *Al-Anwar*.

More than thirty members were present to listen to Mrs. Phyllis Hajjaj explain the preparation of five Danish food dishes.

The paper quotes Mrs. S. Khuri, President of the Association, and Mrs. R. Chehire who is in charge of programs as saying that the main aim of the Association is to assist needy students and bring together members of the University's female community. Members of the Association teach flower arrangement, cooking and the making of toys for needy children.

The daily *Al-Anwar* devoted much space with six pictures to cover the opening of the James Joyce Exhibition at the Central Jafet Memorial Library.

A two page story in the English language *Monday Morning* was headed: AUB-Beirut's concerts Center.

THE U.S. PRESS

The Convocation address of President Samuel B. Kirkwood at the opening of this academic year was reported, with picture, on the front page of the N.Y., *Heritage*. The report was headed: Kirkwood Urges Students Not To Despair.

The *Journal of Chemical and Engineering Data*, Washington, D.C., published a review headed, "Derivatives of Hexaphenylisobenzofuran," by Fereidun Razmara and Malcolm P. Stevens of the Department of Chemistry, AUB.

The Olean, N.Y., *Times Herald*, in reporting that Dr. Thomas S. Lennon has been named vice president for administrative services at Manhattan College in Riverdale, N.Y., mentioned that in the sixties he taught at the American University of Beirut.

Corneal Transplants at AUH on Two Young Lebanese Males Eyes Donated by Young American Girl

An AUH official spokesman has announced that a team of eye specialists at the American University Medical Center performed last week corneal transplants on the eyes of two young Lebanese males.

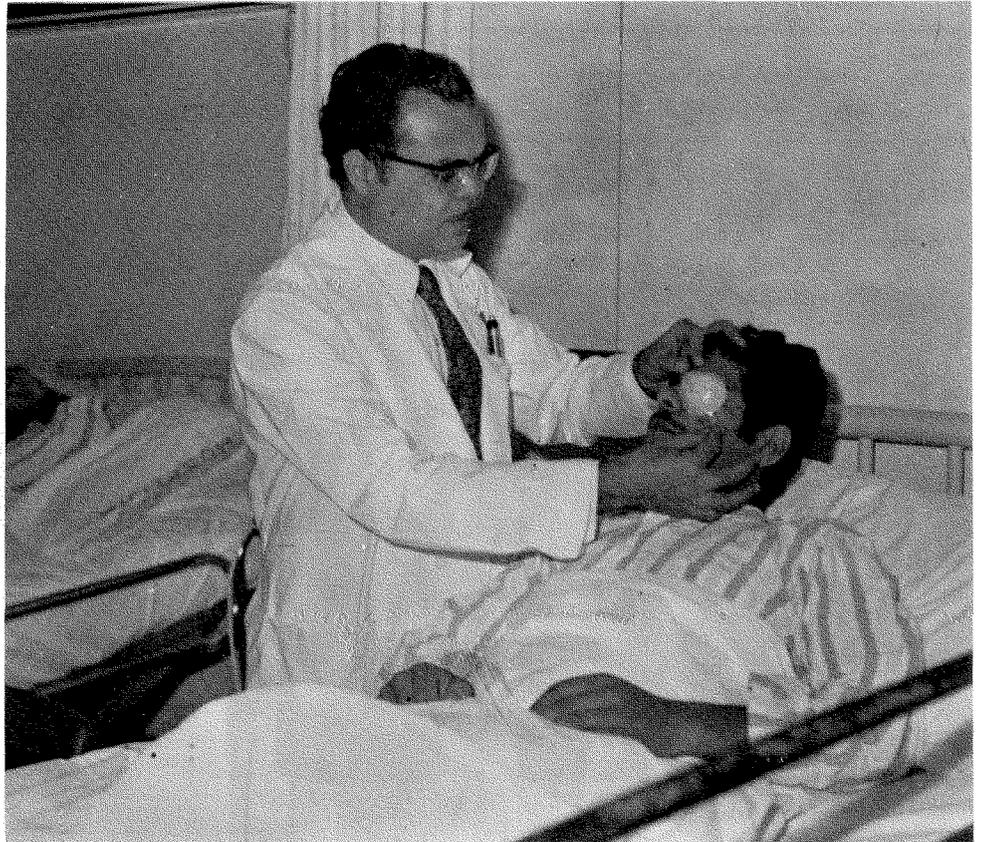
The corneas were obtained from a young American girl who died at the Hospital and donated her eyes to be used for that purpose.

The two patients who had the transplant are both doing well.

The official spokesman also explained that this operation is not new at the American University Hospital in Beirut, since it was first performed in 1946, and so far a total of 67 similar operations were successfully performed.

In reply to a question, the eye surgeon who performed the operation said that contrary to what was wrongly stated in the past and to what people seem to believe, total eye transplant is not possible.

The surgeon emphasized that such operations are performed only when the cornea is opaque and interferes with clear vision, and that this operation should never be performed on patients who are blind since birth, as vision was not given a chance to develop normally.



Gift Income Up 26 %

The Office of Development reports a growing response to AUB fund raising appeals in a recently issued statement of gift income during the past academic year. The report noted that public financial support of higher education is essential to maintain the program and quality of instruction at the University and to provide for future growth. During the 1971-72 academic year, 1,022 individuals, corporations, foundations and governments contributed to the program of the University.

Source of Gifts:

<i>Donors</i>	<i>Donation</i>
Faculty and staff	\$ 6,510
Alumni	140,842
Bequest	500
Businesses	889,058
Foundations	786,534
US Government and Agencies	14,647
Government—Other than US	158,386
Individuals	230,245
Private Groups	76,828
Other	9,194
	<hr/>
	\$2,312,744

ROCKEFELLER MATCHING

As of November 30th AUB has matched \$839,647 of the \$2,000,000 grant from the Rockefeller Foundation.

The University received a 26.2 percent increase in contributions from all sources. Leading sources of support were: corporations—38.4 percent, foundations—34.0 percent, and individuals—9.9 percent. Sizeable increases in support came from governments other than USA—157.8 percent, alumni—73.8 percent, and individuals—63.2 percent.

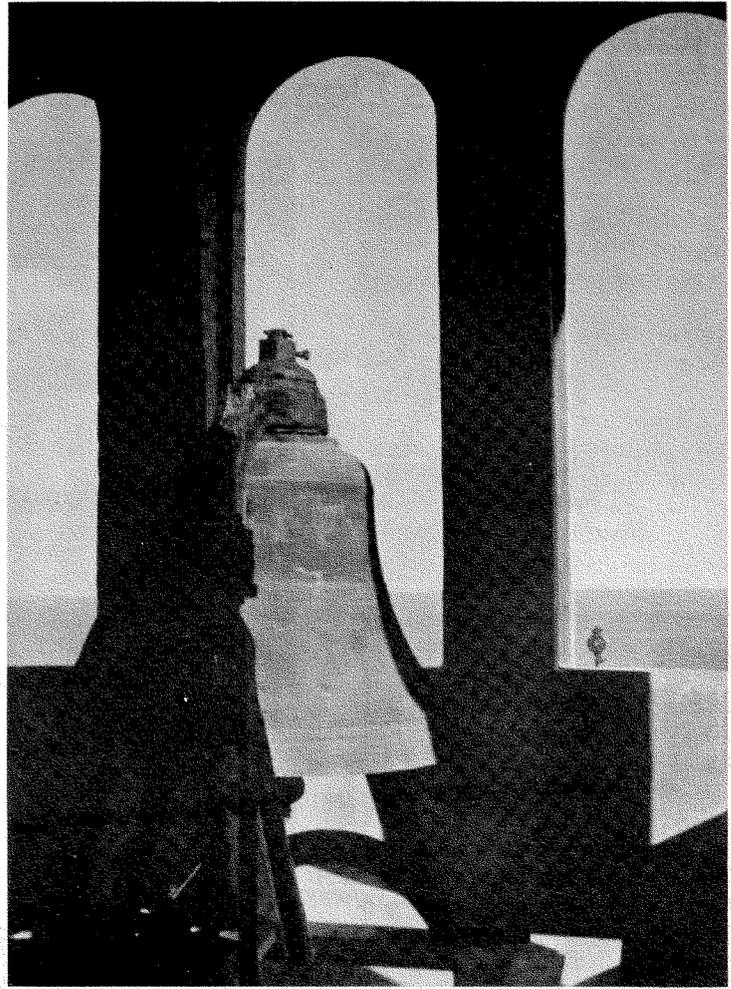
These gifts were used to finance the academic program as follows: 70% for the current program, and 30% for endowment and the long range funding of the program.

<i>Restricted Gifts</i>	<i>Current Program</i>	<i>Endowment</i>
Library	\$ 103	\$ 1,150
Research	231,101	3,226
Scholarships	88,602	105,901
Faculty Salaries	112,186	1,010
Student Loans	6,624	—
Gifts in Kind	8,896	—
Other	741,375	414,398
	<hr/>	<hr/>
	\$1,188,887	\$ 525,685
<i>Unrestricted Gifts</i>		
	498,353	99,820
	<hr/>	<hr/>
Total	\$1,687,240	625,505
		<hr/>
		1,687,240
		<hr/>
Total Gifts Received, 1971-2		\$2,312,745
Rockefeller Matching Funds due, June 30		121,428
		<hr/>
(Funds matched during the year, \$394,435)		
Grand Total, 1971-2		\$2,434,173

كل عام وكلنا في عيدنا
كل عام وكلنا في عيدنا

Our best wishes
for
Christmas
and the
New Year

President and Mrs. S. B. Kirkwood



On the occasion of the coming Christmas and New Year holidays, the BULLETIN extends the Season's Greetings to all its readers and wishes them a Merry Christmas and a Happy New Year.

"On March 13, 1874, we accomplished the risky task of hoisting the bell and the College tower. The students pulled well at the rope and the faculty were summoned to join them to hear the bell rung for the first time at five p. m."

"The Reminiscences of Daniel Bliss" 1920

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....

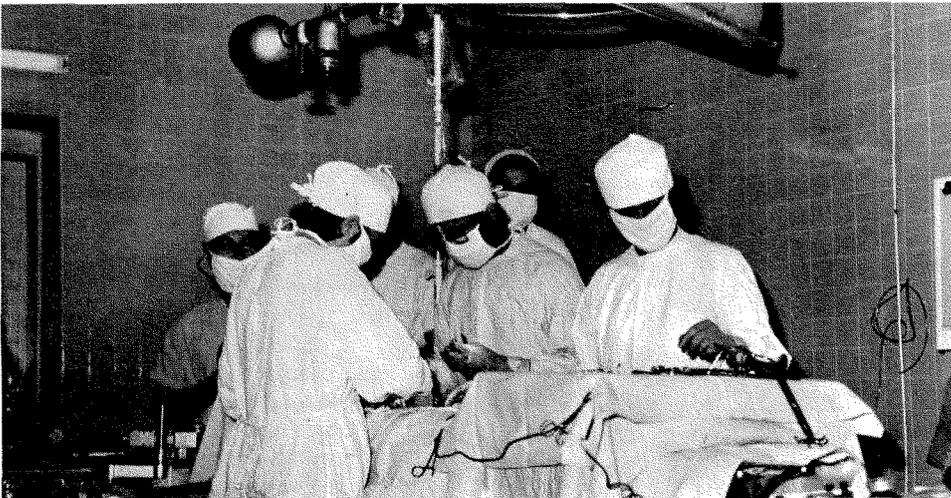
AUB BULLETIN



VOLUME XVI, No. 12

THURSDAY, JANUARY 11, 1973

AUH Offers Medical Services To Sidon Government Hospital



AUH medical team at Sidon Government Hospital

Dr. Labib Abu-Zahr, Director of Sidon Government Hospital has declared that cooperation between this Government hospital and the American University Hospital in Beirut showed this year record figures of various medical services. Dr. Abu-Zahr also spoke of the importance of services offered by AUH physicians in various specialized fields in cooperation with Government physicians.

Dr. Riad Tabbara who is delegated by AUB to implement the agreement of cooperation with Sidon Government Hospital, has praised the efforts made by the Ministry of Health and the Council for Southern Lebanon to reinforce this cooperation and to provide the necessary aid.

In his annual report, Dr. Tabbara mentioned that several improvements were this year added to the Sidon Government Hospital in the physical set up and in services.

The operative rooms were remodelled and new surgical equipment was bought, thus making it possible to perform the great majority of operations in Sidon. Furthermore, a new Radiology Unit was added, thus increasing the number of patients examined.

Dr. Tabbara went on to say that the most important achievements this year at the Sidon Government Hospital were the starting of the Emergency Room and OPD which is being used as a follow up clinic and as a referral clinic where cases can be referred from the area by

(cont'd on page 7)

Prime Minister Salam Meets AUB Students



H.E. Prime Minister Salam addressing students, with Mohammad Dajani, President of the Student Council to his left.

H.E. Prime Minister Saeb Salam was last month invited by the AUB Student Council to meet students and answer their questions. His meeting with students, at the Assembly Hall, was widely covered by the local press. The meeting was attended by President Samuel B. Kirkwood, Vice President George Hakim, Dean Robert Najemy, several professors, and a large number of students representing various groupings.

In replying to questions, Prime Minister Salam described the students as the hope of Lebanon and as good Arab citizens. He also praised the "message" of AUB, saying: "I hope this platform of freedom will continue in this dear country."

The Prime Minister spent two hours answering questions pertaining to various Government affairs.

He was later entertained by President and Mrs. Kirkwood at Marquand House.

High Cost of Living Increase Costs AUB \$198,000. Annually

The University Comptroller, Mr. Donald J. Meyer, has announced to the Bulletin that the recent government decree approving a High Cost of Living of 5%, with a minimum of LL. 15.00 and a maximum of LL.

50.00 monthly for private sector employees and workers will cost the University \$198,270.00 annually.

The increase was retroactive to May 1, 1972 and was paid to non-academic employees in December.

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

The Reverend James Morgan, S. J., currently on the staff of the University Christian Center, will be the guest preacher on Sunday, January 14.

FRIDAY, Jan. 12,
8:30 p.m.

VIOLIN AND PIANO RECITAL (J.M.L.)

by Adele AURIOL — Violin
Bernard FAUCHET — Piano

West Hall — Auditorium

Tickets: LL. 5 & 3

FRIDAY, Jan. 12,
9:00 a.m.

SELLING OF PALESTINIAN FOOD in front of West Hall.

7:00 p.m.

LECTURE by one of Members of the
Central Committee for Palestinian
Resistance.

Assembly Hall

WEDNESDAY, Jan. 17, —
7:30 p.m.

LECTURE BY PROF. G. TAYLOR:
Anthony Trollope: A Century of Lizzie
Eustace

West Hall — Auditorium "B"

WEDNESDAY, Jan. 17,
6:00 p.m.

VARIETY SHOW (Folklore etc.)
(Pakistani Womens' Association and
Students)

West Hall — Auditorium

By Invitation

Mathematics Colloquium

Fourth meeting of 1972-73
Prof. Nabil Nassif

on

"Numerical Solution of Differential
Equations Using Piecewise Polynomials:
The Finite Element Method."

Friday, January 19

3:30 p.m. Tea

4:00 p.m. Paper

Room 329 Agriculture (Math. Dept.)

Women's Auxiliary Give Xmas Party For Children on Pediatrics Ward



The Christmas party given by the Women's Auxiliary for the children on the Pediatrics ward was one of many such parties last month. Santa Claus, assisted by the nurses and doctors led the children in Christmas carols and distributed gifts which were donated by both the Women's Association of AUB and the Women's Auxiliary of the AUB

Hospital.

Mrs. J. Lambert who heads the Pediatrics Committee of the Women's Auxiliary has announced that she would welcome volunteers to work for the children. Volunteers are requested to go to the escort service at the Hospital to find out how they can help.

New Registration Dates

Due to changes in the registration dates which appeared in the University calendar 1972-1973, the offices of the Registrar and of the Comptroller have released a circular with the following new dates for the second semester final registration:

Students enrolled during the first semester will be required to *submit their schedule cards and pay their fees and register* in accordance with the following schedule. *The class of the student in which he is registered for the first semester will determine the time of his registration and not the class which he expects to join during the second semester.*

Date	Hours	Place	School and Class
Monday, January 29	8:15-12 & 2-5 p.m.	W.H.C.R.	Graduate all Faculties
Tuesday, January 30	8:15-12 & 2-5 p.m.	W.H.C.R.	A & S Seniors, Juniors and X-Ray
Wed. January 31	8:15-12 & 2-5 p.m.	W.H.C.R.	A & S Sophomores, Fresh. A & S Special, Orient. Program and Agriculture
Thurs. February 1	8:15-12 & 2-5 p.m.	W.H.C.R.	Medicine (except Med. V) Pharmacy, Nursing, Pub. Health, Engineering and Architecture.

(Graduate students should submit their schedule cards to the Registrar's Office on or before January 22, and register January 29)

Tuesday, January 30 8:15-12 & 2-5 p.m. W.H.C.R. A & S Seniors, Juniors and X-Ray

Wed. January 31 8:15-12 & 2-5 p.m. W.H.C.R. A & S Sophomores, Fresh. A & S Special, Orient.

Thurs. February 1 8:15-12 & 2-5 p.m. W.H.C.R. Medicine (except Med. V) Pharmacy, Nursing, Pub. Health, Engineering and Architecture.

The offices of the Registrar and of the Comptroller may be contacted for information regarding late registration, payment of second semester fees and the registration of:

New students and students who were enrolled during the first semester but withdrew before the end of the semester, and BCW, NEST, Haigazian students and Auditors.

New Faculty Members

Dr. Karam S. Karam



Dr. Karam S. Karam is assistant professor at the Department of Obstetrics and Gynecology of the AUB Medical Center.

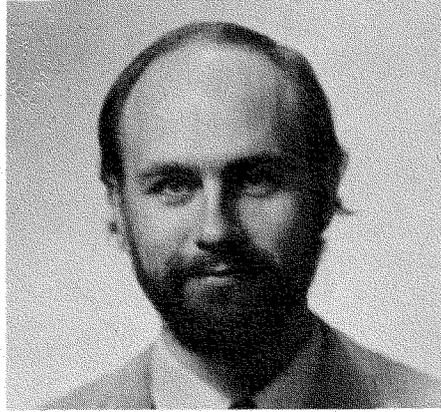
Dr. Karam received his M.D. (1967) from AUB and completed his residency training in Obstetrics and Gynecology at AUH in 1970. He was President of the Resident Staff Organization (1969).

In 1970 he was a Clinical Fellow in Gynecology at the Lahey Clinic Foundation, Boston, and in 1971 a Postdoctoral Fellow in Obstetrics and Gynecology at the University of California, Los Angeles (UCLA).

In 1971-72 he was a Postdoctoral Research Fellow at the Harvard Medical School, Fellow in Surgery-Gynecology at the Peter Bent Brigham Hospital, Boston, and a Staff Member of the Department of Health and Hospitals of the City of Boston—Family Planning Clinics.

Dr. Karam was born in Khiam, Lebanon, where his father, Dr. Shukrallah Karam, M.D. (1937) had since been offering his services to Jabal Amel—Marjoun—Arkoub districts.

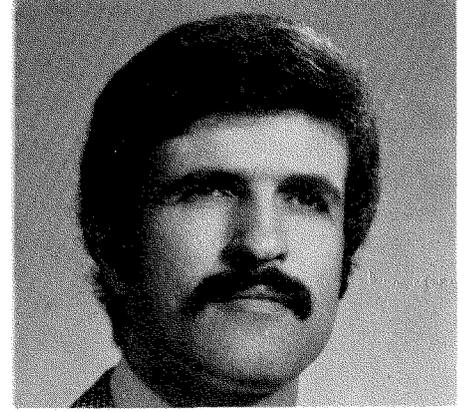
Prof. Steven Spiker



Prof. Steven Spiker is Assistant Professor of Biology. He obtained his B.S. (1964), M.S. (1967), and Ph.D. (1970) from the University of Iowa. In 1965-66, he taught high school in Pacific Palisades, California, and in 1967-68 he studied at the Botanical Institute in Munich, Germany. For two years, 1970-72, he was Instructor in Biology at Kansas State University. His research interest is molecular aspects of plant growth and development and evolution of chromosomal proteins. His most recent publication "A Modified Technique for Fractionating Histones" appeared in the *Biochemical Journal* last September. Another publication, "Constancy of Wheat Histones During Development" is appearing soon in *Planta*.

Mrs. Spiker, Jennifer, holds a B.S. from Hastings College (1967), and an M.S. in Journalism from Kansas State University (1972). She taught English and journalism at East High School in Lincoln, Nebraska (1967-70), and is now teaching English at the American Community School.

Dr. Munir F. Nasr



Dr. Munir F. Nasr, Assistant Professor at the Department of Obstetrics and Gynecology was born in Hammana, Lebanon. He obtained his B.S. (1961) and M.D. (1965) from AUB. After his residence training (July 1965-1968) at AUH (Obstetrics and Gynecology), he was Fellow and Instructor in Gynecologic Oncology, Department of Obstetrics and Gynecology (July 1968-July 1972) at the State University of Iowa, Iowa City, and Assistant Professor, Department of Obstetrics and Gynecology (July 1970-June 1972) at the University of California, Los Angeles, California.

Besides the teaching and practice of general Obstetrics and Gynecology, Dr. Nasr plans to help develop a comprehensive cancer program at AUH in association with interested members of other departments. He believes there is need for a better education about cancer and the early detection and treatment of this disease in the area.

Dr. Nasr, who comes from a large family (six boys and two girls) is single.

German Academic Exchange Service Awards Study Grants

As in past years the German Academic Exchange Service (DAAD) will again award the following study grants for 1973/74.

1. Six one-year scholarships valid for post-graduate training (pre-requisite: master's degree) at German universities, technical universities, and academies of art or music. In addition each scholarship may include the fees (course fees, living expenses, pocket money) for an intensive course in German language

of 2 to 6 months at an establishment of the Goethe-Institute in the Federal Republic of Germany, preceding the post-graduate training.

2. Ten scholarships for an intensive German language program at a Goethe-Institute in the Federal Republic of Germany for two months during the summer of 1973.
3. Grants for faculty members with the rank of assistant professor and above wishing to carry out a research program of up to three

months duration in the Federal Republic of Germany, and to establish relations with German colleagues and institutes in their field.

All applicants must be of Lebanese or any other Arab nationality. The preliminary selection of applicants for the one-year-scholarships and the scholarships for the intensive language program will be made by the German section of the AUB Department of European Languages and Literature.

Prof. Dagher Consulted by FAO

Prof. N. J. Dagher of the Faculty of Agricultural Sciences spent six weeks during September and October in Amman, Jordan as a consultant of the Food and Agriculture Organization (FAO) of the United Nations. The assignment included setting up standards and regulations for poultry feed quality control in Jordan as well as field and laboratory diagnosis of poultry nutritional deficiencies which was carried out at the Jordan Animal Health Institute in Amman.

Faculty Football Team

Prof. Brook A. Greene has announced that the Faculty Football Team is in need of more faculty players with some experience, especially a goalkeeper, and that supporters are always welcome.

The Faculty Football Team is now made up of the following players:

- | | |
|--------------------------|------------------------------|
| 1. Alami, Zuheir | Engineering |
| 2. Bratton, Neil | English |
| 3. Buheiry, Marwan | Cultural Studies |
| 4. Dajani, Nabil | Mass Comm. |
| 5. Greene, Brook | Agriculture |
| 6. Hamdan, Mohammad | Math. |
| 7. Ibrahim, Mohammad | Anatomy |
| 8. Inglesis, Constantine | Engineering |
| 9. Kano, Kan'aan | Engineering |
| 10. Letterie, J. | P.S.P.A. |
| 11. Madany, Henry | Engineering |
| 12. Mukaddam, Mohammad | Engineering |
| 13. Saadeh, Feisal | Pathology |
| 14. Seikaly, Samir | History and Cultural Studies |

Books on Liberia Presented to Library



L. to r. : President Kirkwood, Mr. R. Webster Simpson, Vice President Hakim, Mr. Kent, Provost Thabet, Mr. Thomas and Mr. Whitman.

The Liberian Chargé d'Affaires, Mr. R. Webster Simpson recently presented AUB with a collection of books and documents concerning the history and development of Liberia. The presentation was made at the office of President Samuel B. Kirkwood in the presence of Vice President George Hakim, Provost Samir Thabet, Mr. Francis L. Kent, University Librarian, Mr. Ritchie D. Thomas, Associate University Librarian, and Mr. Arthur

Whitman, Director of Development.

In thanking Mr. Simpson and the Government of Liberia for this addition to the Library, President Kirkwood pointed out that access to information about Liberia by AUB scholars from 68 countries is important to the building of greater cooperation and understanding between the people of the Middle East and the people of West Africa.

Annual Leaves of University Employees and Workers

The Director of Personnel has released the following:

1. Employees and workers will be entitled to take their vacations for the year 1972 - 1973 (July 1, 1972 to June 30, 1973) at any time before June 30, 1973, subject to the approval of the Head of the Department concerned. All accrued vacations for the year 1972 - 1973 which are not taken before June 30, 1973 must be taken before December 31, 1973, otherwise they will be forfeited.
2. Any employee or worker who takes his/her vacation for the year 1972-1973 and leaves the University's service before June 30, 1973 will be required to reimburse the University an amount sufficient to cover the unearned portion of the vacation taken.
3. An individual who wishes to defer his/her vacation for the year 1972-1973 because he/she plans to travel outside Lebanon or for any other valid or justified reason may request permission to have his/her vacation for the year 1972 - 1973 taken with the vacation for the year 1973-1974 provided such a request is submitted in writing to the head of the department, prior to December 31, 1973. In such cases the approval of the Director of Personnel will be needed. In no case will an accumulation of more than two years vacation be permitted. When a vacation is deferred from the current year to the following year, the vacation for the two years will be taken at one time in a consecutive number of days.

A large number of requests were received lately to delay the vacations for 1971-1972 because the supervisors were not able to plan vacations for certain individuals before the end of December 1972. Please note that from now on, such requests will not be approved and supervisors are requested to plan the vacations in advance to avoid such requests. Vacations may be deferred only in accordance with Item 3 above.

Prof. Z. Mikdashi Delivers Paper at Harvard Conference

The Center For International Affairs at Harvard is sponsoring a conference on *Enterprise and Government in Western Europe* under the direction of Prof. Raymond Vernon, Professor of International Trade and Investment at the Harvard Graduate School of Business Administration. The conference will be held at the Center from January 16 to 19, 1973. Eminent scholars and researchers from leading academic and professional institutions of West European countries and the United States are contributing. AUB will be the only institution outside these countries to be represented by Prof. Zuhayr Mikdashi of the Department of Business Administration who has been invited to deliver a paper on the European Aluminium Industry. Papers delivered at this conference will be published in a book by Harvard University Press.

Prof. N. E. Manasseh Organizes Seminar in Damascus

Prof. N. E. Manasseh, Director of Post Degree Programs at the AUB Faculty of Engineering and Architecture organized a "Seminar on Traffic in Cities" last month in Damascus at the request of the Organisation of Arab Cities.

68 engineers and officers of traffic departments in 20 cities of 10 Arab countries attended.

Besides planning and directing the seminar, Prof. Manasseh gave four lectures. Professors Neddy Jouzy and Usama Abdul-Samad, both of the AUB Faculty of Engineering and Architecture, also lectured on a number of subjects at this seminar.

Prof. A. A. Kuran on Dynamic Stress in Helical Springs

A paper entitled "Dynamic Stress in Helical Springs" by Prof. Albert A. Kuran, Associate Professor of Mechanical Engineering appeared in the November 16, 1972 issue of *Machine Design Journal*. The article, an outcome of Professor Kuran's research at the Virginia Polytechnic Institute, develops a new relationship, the frequency ratio, which helps predict the dynamic stresses in spring-mass systems. It presents both an analysis of the effect of dynamic loads and charts to quickly predict their effect.

Grant by BASF to Improve Calcareous Clay Soils



L. to r.: Vice President Hakim, President Kirkwood, Mr. Bieker and Prof. Sayegh.

The Badische-Anilin and Soda-Fabrik AG (BASF) has offered a one year grant of LL 31,000 together with fertilizers and chemicals to the AUB Faculty of Agricultural Sciences. The purpose of this grant is to test two chemicals—*hygromull* and *agrosil* and their effect on the improvement of the physical properties of calcareous clay soils in Lebanon.

In cooperation with the Lebanese Ministry of Agriculture, the AUB Faculty of Agricultural Sciences has chosen two pieces of land in the Bekaa and South Lebanon to start testing these chemicals next February.

The above grant is the result of contacts over a period of more than one year between Dr. Antoine Sayegh, Professor of Soil Minerology and Chemistry at

AUB, and Mr. Michael Basrawi, BASF delegate who is also an engineer in agriculture and an AUB alumnus. These contacts have led to an agreement of cooperation between AUB and BASF.

Prof. Sayegh has already tested the two chemicals—*hygromull* and *agrosil*—which yielded good results. He was twice invited to Germany by BASF to discuss cooperation between AUB and this company.

In mid-December, BASF delegated Mr. William Bieker, Director of Export Division for Africa and Asia to finalize the agreement. Mr. Bieker was received by President Samuel B. Kirkwood. Vice President George Hakim and Dean Stanley Swenson of the AUB Faculty of Agricultural Sciences were present.

Course in Health Education

Dr. Nabil T. Nassar, Director of the University Health Services has sent the following for publication:

The course in "Health Education" (Int. Medicine 249) will be given during the second semester. This is a 3 credit hour course intended to give undergraduate non-medical students of Arts & Sciences the fundamentals of health and disease, stressing the preventive aspects. Lectures, seminars and student discussions will tend to emphasize in a *simplified* fashion the concepts of personal hygiene as well as community

health problems.

Health Education is not a biology course nor does it require a background in the natural sciences. It is a simple course that answers many of the every day questions that students and the general public ask the medical people. We would like to encourage the students to take it and the faculty advisors to recommend it to their students.

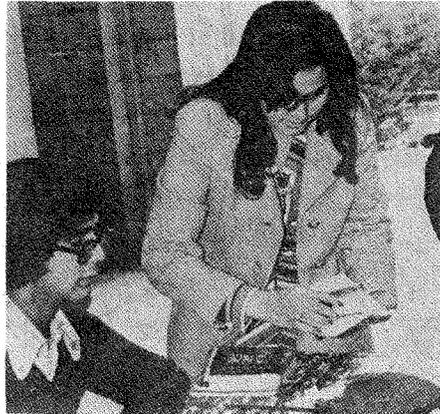
The course is coordinated by Dr. Nabil Nassar and will be given on Tuesdays and Thursdays 2:00-3:15 p.m. in West Hall Lecture Room.

AUB In The Press

THE LOCAL PRESS

Al-Anwar, *As-Sayad* and *Lisan-ul-Hall* have given much attention to news of the Program Study reports (BULLETIN, Dec. 7 and 14, 1972).

They reproduced parts of the reports and published interviews with Provost Samir K. Thabet who was quoted as saying that the reports are mere proposals and do not at all mean that AUB's existence is threatened by a financial deficit.



Al-Anwar covered the "cakes sale" which was organized last month by the Civic Welfare League in front of West Hall. This sale's proceeds will be spent on the League's social work.

The League also organized a work camp during the Christmas and New Year holidays in "Sawwaneh" village to help build a school.

Under the heading: "AUB Civic Welfare League work camps reinforce social participation," *Al-Anwar* published a report in praise of the League's work camps in border villages and refugee camps.

The paper interviewed Hani Huneidi, head of the work camps committee which was established 37 years ago.

The Civic Welfare League includes six committees which look after finance, work camps, publications, workers and community welfare involving night schools for workers and Chiclets vendors, and student financial aid.

The paper described the above as a worthy social activity.

Reports on this year's drought appeared this month in *Al-Anwar* and other papers which quoted the AUB Observatory in saying that this is the third time in 100 years that rainfall has been so little.

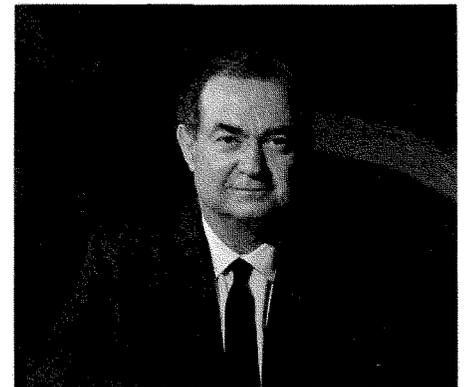
THE U.S. PRESS

The Elkhart, Ind., *Truth*, which reported that a speech on the "Chemistry of Automobile Emissions and Their Control" was to be delivered in September by Dr. G.H. Meguerian, Manager of the NOx project at the Standard Oil Company (Indiana), mentioned that Dr. Meguerian is a graduate of the American University of Beirut.

The Cortland, N.Y., *Standard* which reported on the work of Mr. Nicholas Gavrielides, an instructor in the Department of Sociology-Anthropology at State University College, Cortland, with an international interdisciplinary team in the Argolid Peninsula in Southern Greece, mentioned that he obtained in the sixties his B.A. degree from the American University of Beirut.

The Paris, Ill., *Beacon News* which reported that Dr. Elie N. Shuhaiber has joined the Medical Center Clinic of Paris, Ltd., for the practice of obstetrics and gynecology, mentioned that he received his medical degree from AUB in 1954.

... AND THE FOREIGN PRESS



The Times of London, which published pen portraits by Arthur Reed of airlines presidents, chairmen and chief officers who were to attend the IATA annual meeting in London last September, mentioned that Sheikh Najib Alamuddin, Chairman and President of Middle East Airlines since 1956, graduated in engineering and mathematics from AUB in 1930 and continued his studies at Exeter University.

The following US and UK papers which reported the assassination of Dr. Hashem Jawad in October mentioned that he was a graduate of the American University of Beirut and London School of Economics, and that he died on his way to the American University Hospital: *The Times* of London, *Worcester Evening News*, *Kent Evening Post*, *Hereford Evening News*, *Evening Despatch*, of Darlington, Co. Durham, the *Oklahoma City Times*, *The Blade* of Toledo, Ohio, *The Terre Haute Tribune* of Indiana, the *Pittsfield, Mass. Berkshire Eagle*.

Le Monde

Fondateur : Hubert Beuve-Méry 5, rue des Italiens, Paris-IX^e Directeur : Jacques Fauve

The influential *Le Monde* of Paris published last month a 12-page supplement headed: Lebanon, cross-roads of civilization and hospitable land.

An article entitled "Four Universities, Four Cultures" by Mr. Edouard Saab appeared in this supplement. Below are passages from this article:

"The Lebanon has been proud of its four universities which represent four cultures and different ways of life."

"The universities of Beirut are an integral part of Lebanese society and have deeply marked with their imprint certain quarters of the capital where they constitute 'autonomous enclaves.'"

"Ras Beirut is American. It is the quarter of the American University of Beirut which has 4,300 enrolled students and which celebrated its 107th anniversary on Dec. 4."

"Students from all countries of the region - Jordan, Syria, Palestine, Egypt, Kuwait, Saudi Arabia, Bahrain, Iraq, Qatar, the Sudan - constitute 46% of the AUB student body."

"An AUB graduate is paid LL.1,400 while a graduate of the University of St. Joseph is paid LL. 1,000, and those of the Lebanese and Arab universities are paid respectively LL.800 and LL.500."

An-Nabaa reported, with picture, late last month that AUB students of the Faculty of Agricultural Sciences have invented a machine to level land and make it suitable for agriculture. The paper said the machine was made at the AUB farm in the Beka'a.

AUH Offers Medical Services To Sidon Government Hospital



Part of Sidon Government Hospital.
(cont'd. from page 1)

practicing physicians for consultation or treatment. Specialty clinics in Cardiology and Gastroenterology have also been started.

During this year, ten doctors from the American University Hospital rotated through the various departments of the Sidon Government Hospital, including surgery, pediatrics, internal medicine, gynecology-obstetrics, anesthesiology, radiology and the school of Nursing.

Cooperation between Sidon Government Hospital and the American University Hospital is supervised by a joint committee headed by the Director General of the Ministry of Health. It dates back to 1969 when an agreement was signed between the Ministry of Health and the American University Hospital. The agreement provides that medical services at a level comparable to that at the University Hospital shall be supplied by AUH to Sidon Government Hospital so that it will not be necessary for patients from Southern Lebanon to come to Beirut for medical care.

The doctors of the American University are not paid for their services, because the main purpose of the University Hospital is to provide residents and interns with the opportunity to gain experience and offer services.

AUB Registrar Visits Kuwait University

Prof. Fuad Haddad, AUB Registrar was invited in November to visit the University of Kuwait and study the academic structure and curricula of its schools of political science, economics and commerce.

Prof. Haddad suggested certain changes, such as a shift from the year system to a credit system. He also found that this change necessitates the restructuring of the offices of the Registrar and Director of Student Affairs, and recommended an administrative set-up for that purpose.

On the second day of his visit, Prof. Haddad was invited to give a public lecture on the theoretical framework of the suggested system. Kuwait University professors, heads of departments, students, senior officials of the Kuwait Ministry of Education, and a number of Kuwaiti notables attended his lecture and the 3-hour discussion which followed. The consensus of opinion was strongly in favour of changes within the framework presented by Prof. Haddad.

On the other hand, Kuwait Ministry of Education officials and Prof. Haddad thoroughly discussed various problems of

secondary education, among them the teaching of English in secondary schools and the preparation of teachers of English. He recommended that a research be made concerning the status of English, so that changes in the curriculum, teaching methods, teacher preparation and possibly textbooks could be effected in the light of research findings.

Before returning to Beirut, Prof. Haddad had a meeting with a number of AUB alumni and noticed that some of them occupy important positions in Kuwait.

In a declaration to the BULLETIN, Prof. Haddad highly praised Kuwait's development and the cooperation extended to him by Kuwait's Cultural Attaché in Beirut, Mr. Issa Rashid Al-Issa. He said that the Kuwaiti authorities concerned are open to suggestions and that they want to improve the State's educational structure and wish to cooperate with AUB in this respect.

Prior to this invitation by the University of Kuwait, the University of Basra, in Iraq, had invited Prof. Haddad to study its educational system and applied the changes suggested by him.

AUB Bookstore Annual Book Sale

Textbooks on all subjects
Fiction
New titles
Assorted other books

REDUCTIONS OF
UP TO 90%

TYPICAL REDUCTIONS

TITLE	LISTED PRICE	SALE PRICE
Biology Text	LL. 31.75	LL. 2.00
Managerial Finance	LL. 38.50	LL. 3.00
Textbook of Medicine	LL. 68.50	LL. 10.00
Applied Electronics	LL. 42.00	LL. 6.00

WEST HALL COMMON ROOM

JANUARY 16, 17 & 18, 1973

9:00 — 12:30 p.m.

2:00 — 4:30 p.m.

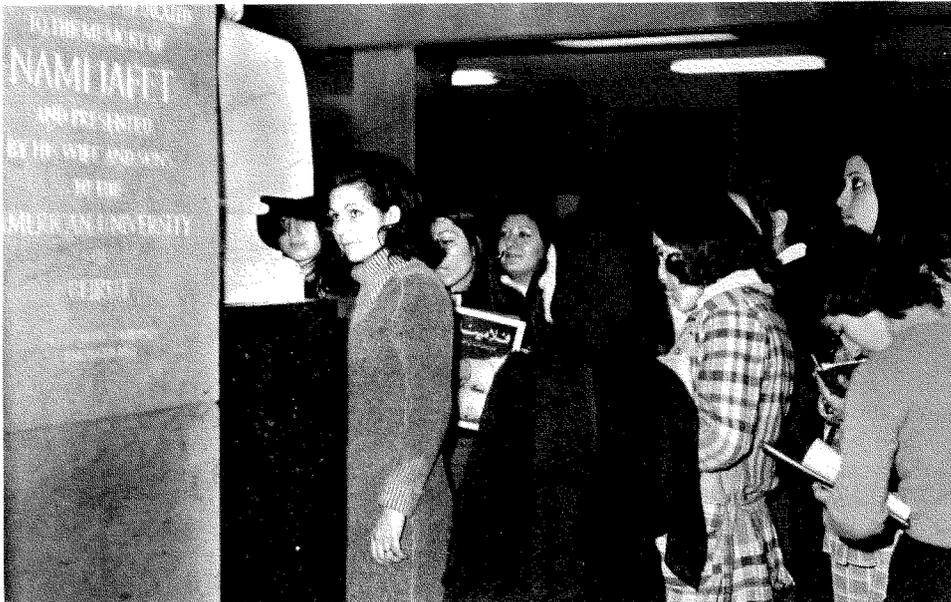
Prof. Oshagan Lectures in Cyprus

Prof. Vahé Oshagan, lecturer in Cultural Studies was invited in November by the Armenian community in Cyprus to give two public lectures on the occasion of the inauguration of the new Secondary School in Nicosia. The theme of his lectures was "Modern Education and the

Intellectual."

Prof. Oshagan's lectures coincided with the visit of Catholicos Khoren I to the island. Prof. Oshagan was also guest at an official dinner given by the President of the Republic, Archbishop Makarios.

Public School Students Visit the University



Students from Zgharta Technical School at Jafet Library

Many government school teachers are keen to make arrangements for their students to visit museums and libraries as well as laboratories where they can apply the theoretical lessons they learn.

The American University of Beirut offers remarkable facilities for this purpose by enabling students of government schools to visit its laboratories, observatory, museum, libraries and other such places.

Last month, an enthusiastic group of 25 women students who are enrolled in a special "documentalists" curriculum at the Zgharta Technical High School spent several hours observing procedures and

hearing explanations of policies in the various departments of Jafet Library. The students, who are studying for a new Baccalaureat-Technique qualification in Documentation, were accompanied by Dr. Abdallah Tabba', their instructor.

Another group of men and women students from the Government Secondary School of Jdeidet-el-Metn have also visited the Geology Department at AUB with their professor of geology. Their visit included the Minerology and Paleontology museums where their professor explained the various exhibits to clarify theoretical lessons they had in geology.

Id ul Adha

On the auspicious occasion of Id-ul-Adha the BULLETIN wishes its readers happiness and prosperity.

The Director of Personnel has announced that Id ul Adha will begin on Sunday, January 14, 1973. Since the first day of the feast falls on Sunday, the holiday for non-academic personnel will be on Monday, January 15, 1973.

Training for 25 Extension Agents From Ministry of Agriculture

A two-day training session for 25 Extension Agents from the Lebanese Ministry of Agriculture was held last November at the Agricultural Research and Education Center (AUB Farm) in the Bekaa. The training course was in Agricultural Mechanization, and was sponsored jointly by the Faculty of Agricultural Sciences (FAS) and the Near East Foundation which is represented in Lebanon by Mr. Earl Vandrell.

The subjects covered included the following: a 10 point program for assisting farmers in tractor maintenance, comparison of traditional and modern techniques of seedbed preparation and seeding practices, demonstration of harvesting and storing forage crops, tips on orchard cultivation, and economics of buying or renting agricultural machines.

The session trainers included Dr. Harry Henderson, Professor of Agricultural Mechanization and Chairman of the Department of Crop Production and Protection at FAS and Messers Bolton, Gaiser, Sughayyar, Muhtar, Maluf and Alahaydoyan. The Extension agents were accompanied by the Head of the Department Mr. Haidar Al-Assad.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To:

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 13

THURSDAY, JANUARY 25, 1973

National Council for Scientific Research Signs Contracts With AUB



L. to r. Dean Stanley P. Swenson of the Faculty of Agricultural Sciences, Dr. Amin Charif of the National Council for Scientific Research, and President Samuel B. Kirkwood.

The President of the National Council for Scientific Research, Mr. Joseph Nag-gear, and the President of the American University of Beirut, Dr. Samuel B. Kirkwood have signed two contracts for scientific research pertaining to the industrialization of fruits and vegetables and the improvement of the properties of concrete to be undertaken respectively at the AUB faculties of agriculture and of engineering.

These two research projects show the attention which the National Council for Scientific Research gives to applied research and to the positive role of science in development. The National Council for Scientific Research aims at benefitting from the country's natural resources and scientific potential within the framework of the first Six-Year Plan which the Council has adopted and which the Government have approved and included in

the Six-Year Plan for Development in the Lebanon.

Industrialization of fruits and vegetables and formulation and processing of nutritionally adequate and low-cost baby-foods

This research project comprises:

i. — Investigation relating to fruit juices and derivatives and the improvement of their taste and properties, particularly apple.

ii. — Formulation and processing of sound, sterilized, nutritionally adequate and low-cost baby-foods and biscuits made from local products, to contain the proper quantity and quality of proteins, minerals and vitamins.

This research project is expected to take around two years. The National

cont'd on page 3

LL 1,500,000 Donated By Dodge Family



*Dr. Bayard Dodge
AUB President 1922 - 1948*

Dr. Samuel B. Kirkwood, President of the American University of Beirut has announced an endowment gift of over LL.1,500,000 from the estate of President Emeritus Bayard Dodge and the Cleveland H. Dodge Foundation established by Dr. Dodge's father.

In presenting this gift the trustees of the fund recognized Dr. Dodge's keen interest in the Middle East studies and the essential need of such a program at AUB.

President Kirkwood said that income from the fund will provide annual support of the AUB program in Arabic, Arabic literature, Arab history, and related programs.

The Dodge family has had a long association with Lebanon and the Middle East. Dr. Bayard Dodge died seven months ago at the age of 84. He was President of the American University of Beirut from 1922-1948 and his distinguished achievements in the service of Arab generations during that period are remembered with much praise. He was posthumously awarded the Lebanese Order of the Cedars of the Grand Officer rank by His Excellency the President of the Republic, Mr. Sleiman Franjeh.

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

The Reverend Dr. Ken Bailey, Professor of New Testament at the Near East School of Theology, will be guest preacher on Sunday, January 28.

Football Events

For those who could not make it last time, the Faculty Football Team defeated an Engineering Physical Education Team 1-0, on Tuesday Jan. 9.

Faculty vs Medical Sciences
Sat. Jan. 27, 1:30 p.m.

Faculty vs Pharmacy
Sat. Feb. 17, 11 a.m.

Prof. Brook A. Greene has announced that supporters are welcome and that Faculty now have a new goalkeeper, Prof. John Olmsted of Chemistry.

WEDNESDAY, Jan. 31, —
7:30 p.m.

LECTURE BY PROF. J. M. MUNRO
Theo. Morzials: Sweet Singer and
Pigeon Fancier
West Hall — Auditorium "B"

Symphonic Band Prepares for Concert

The AUB Symphonic Band under the direction of Mr. Allen Hovey has begun rehearsing for concerts on March 8 and 9. Rehearsals will take place on Wednesday evenings at 7:00 and Saturday afternoons at 3:30 in the Assembly Hall. Any newcomers interested in joining this instrumental ensemble should contact Mr. Hovey as soon as possible.

Ball Given by Engineering Student Society



The Engineering Student Society Christmas Ball, named B-221272, was a big success last month.

To turn the first and second floors of West Hall into a snowy landscape must have entailed a good deal of work. A

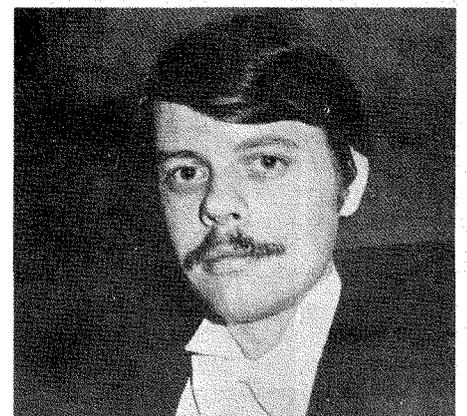
large crowd danced till around 1:00 a.m. President and Mrs. Kirkwood and Dean Raymond S. Ghosn made an appearance at the ball and congratulated the Ball Committee and Engineering students on a job well done.

Mr. Michael Murray Plays in International Organ Concert Series

Sponsored by AUB and the J.F.K. American Center, Mr. Michael Murray gave a concert last week in the International Organ Concert Series on the new Baroque-style organ at the Assembly Hall. His program included works by Bach, Rogers, Vierne, Dupré and Reubke.

Mr. Michael Murray was born in Indiana (USA) in 1943. He studied organ and piano in Paris, France, and at the Oberlin Conservatory in Ohio (USA). In Paris he was a pupil of Marcel Dupré and also worked with Jean Langlais and André Marchal. He was also organist and choirmaster for the British Methodist Church in Paris.

Back in the United States, Mr. Murray has been Music Director of Heights Christian Church in Cleveland, Ohio, where he performed the complete works of Bach in twelve recitals in 1968-1969, perhaps the youngest musician ever to play all-Bach.



His concert had a good review in the English language weekly, *Monday Morning*, which said of him: Michael Murray, like the other artists who have already played in the series, is a reflective musician with a distinctive and consistently interesting style of playing. There can be no doubt that this organist has a very powerful and controlled technique—his ease of pedalling was astonishing.

National Council for Scientific Research Signs Contracts With AUB



L. to r. Professors Muhammad Mukaddam and Sami Klink, Dr. Amin Charif, President Samuel B. Kirkwood, Dr. Jacques Nasr and Dean R. S. Ghosn of the Faculty of Engineering and Architecture

cont'd from page 1

Council for Scientific Research has allotted LL 190,000 for the various expenses of this project, including the cost of scientific equipment which is expected to constitute the nucleus for research in nutrition technology in the Lebanon.

Professors Raja Tannous and Abdul Hamid Hallab are supervising this research at the laboratories of the AUB Faculty of Agricultural Sciences.

Concrete in Lebanon

The research on concrete in Lebanon is a joint project which comprises:

- i. — Determination of optimum gradation in different aggregate mixes.
- ii. — Design of concrete mixes prepared with the optimum aggregate mix to improve the characteristics of concrete.
- iii. — Investigation of the effects of Lebanon's various climatic conditions on creep and shrinkage in the concrete.

The National Council for Scientific Research has allotted LL 270,000 to this research project which is entrusted to three research teams in institutions and

universities in Lebanon. The final studies will constitute an integrated whole which will encompass the subject and show the Council's policy in coordinating the work of researchers in Lebanon, each in his own field, to avoid duplication.

The contract signed with the American University of Beirut pertains to the second part of the project, i.e. the laboratory study of the characteristics of concrete made of Lebanese aggregate mixes.

AUB's share of the sum allotted to this research project, which is expected to take at least two years, has amounted to LL 75,000 for the first year. Professors Sami Klink and Muhammad Mukaddam of the AUB Faculty of Engineering and Architecture are supervising this part of the project.

The Secretary General of the National Council for Scientific Research, Dr. Joseph Naffa' has declared that the Council has several contracts ready to be concluded with various institutions in Lebanon. These contracts pertain to applied research in agriculture, engineering, health and other fields. They all fall within the Council's plan for scientific projects.

Explosion at Nicely Hall

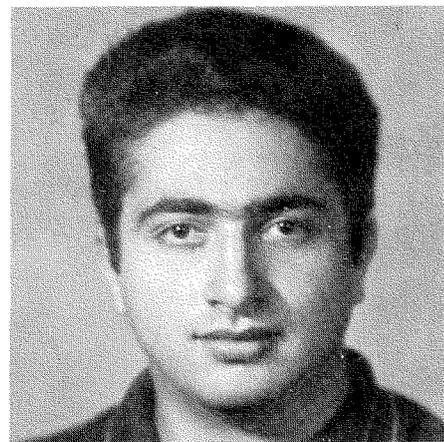
An explosion occurred a few minutes before 10:00 p.m. on Tuesday, Jan. 16th, in the basement lavatory of Nicely Hall, resulting in damage to the amount of LL2,000. The police and experts in explosives were called and started their investigation. They estimated that the dynamite, or similar substance, was 200

gms and was set off by a two meter fuse.

At the time of the explosion, a number of students were studying at Nicely Hall and one Faculty member was in his office in the building.

An hour later, an anonymous telephone call was received threatening that a larger bomb will be used in future.

New Faculty Members Prof. N. R. Nassif



Prof. Nabil Rafic Nassif is Assistant Professor at the Mathematics Department of the Faculty of Arts and Sciences. A graduate with a "diplome d'ingenieur" from l'Ecole Centrale de Paris in 1968, he holds an M. S. and Ph. D. degree in Applied Mathematics from Harvard University. Before joining AUB, he was Visiting Assistant Professor at the Mathematics Department of the University of Iowa.

Prof. Nassif's particular area of interest is Numerical Analysis and Scientific Computing.

He is married and has two children.

Dr. J. F. Chmielewski

Dr. Jerome F. Chmielewski is on campus for the 1972-73 academic year as a Visiting Associate Professor of Mechanical Engineering under an exchange program between the American University of Beirut and the University of Pittsburgh Schools of Engineering.

Prior to receiving his doctorate in mechanical engineering from Michigan State University in 1961, Prof. Chmielewski served as an officer in the Civil Engineer Corps, US Navy and was employed as a design engineer by the Pratt and Whitney aircraft corporation. He later taught at Ohio University and for the past several years has been a faculty member of the Department of Mechanical Engineering at the University of Pittsburgh.

In addition to teaching at Pittsburgh, Dr. Chmielewski has been an engineering consultant to the MPC Corporation, an affiliate of Carnegie-Mellon University and the University of Pittsburgh. His consulting work has been in the field of automated mass transit.

Mounting Need For Nursing Services



Isolette units

total of 888 days of overtime was worked by the Nursing Service Staff during the past year, and for the second year running the planning for vacations had to be done piecemeal, whenever the Department could manage to release a staff member.

Although members of the staff have found it difficult to make any plans for their vacations, most of them have shown a good deal of understanding and have been very cooperative.

The mounting need for nursing services is further heightened by the opening of three additional units at the Hospital: the Intensive Care Unit; the Special Medicine Unit which consists of two sections, one for Haemodialysis and one for Coronary Care, and a Surgical Unit

In addition to the above, nine specially requested programs were organized and completed for the operating room nurses of the Military, Makassed, Geitawi, St. Georges and Trad Hospitals in Beirut, and for Damascus University and Tapline, in Badana. These programs included patient care in the operating room, aseptic techniques, sterilization, organization, management, administration, etc. They were balanced—theory,

discussion, work shop, participation—in relation to the needs of the nurse and as requested by the hospital.

Furthermore, three supervising nurses were sent from Tapline Hospital in Badana for a period of one month each for a refresher program in supervision. Their training consisted of observation on the units with the head nurses, participating in the supervisory and committee meetings and discussions of administrative problems.

Six non registered nurses from Sidon Government Hospital came in three groups for a period of two weeks each to practice in the areas of Pediatrics, Nursery and the Formula Room.

Three registered nurses were trained in the care of patients undergoing haemodialysis, two from Saudi Arabia and one from Lebanon, and one nurse from a Lebanese hospital came for special experience in Emergency Room.

Training programs were organized for 24 operating room nurses from Egypt, Jordan, Saudi Arabia, Bahrain, Turkey and Lebanon.

Moreover the Formula Room has increased the number of formulas prepared to approximately 500 daily, making use

of an electric mixer, and the number of operations per month has increased from 430-590 to 550-690.

On the other hand, the considerable increase in the number of deliveries, varying between 192-239 per month, has necessitated an increase in staff over all shifts. Five additional midwives have been employed, bringing the total to eight, and are being utilized in both Delivery Suite and Obstetrics and Gynecology Units.

The Nursery has also increased its number of isolettes to sixteen, eight of which have cervo-controls. This has enabled the Department of Nursing Service to care more adequately for premature and sick new borns. Other important equipment now in use for this special group of babies are two apnoea monitors and one cardiac monitor.

Clerical coverage for day and evening shifts has made it possible for the nursing staff to spend more of their time with babies rather than clerical receptionist duties, and the addition of four practical nurses has improved coverage on evening and night shifts. However, with the increased number of babies requiring intensive care this area is still in need of more graduate nursing staff.

Prof. Sayegh Attends Soil Meetings

Dr. Antoine Sayegh, Associate Professor of Soils at the AUB Faculty of Agricultural Sciences participated in two soil meetings held in Cairo late last year.

The first meeting sponsored by FAO/UNDP was a regional seminar on "Reclamation and Management of Calcareous Soils." Delegates from several countries of the Middle East, Europe and USA participated in this seminar. Prof. Sayegh was invited to be member of the drafting committee to work out recommendations on the type of research needed in the region.

At the second meeting which was an international symposium on salt-affected soils, Prof. Sayegh presented a paper entitled "Suggestion of Criteria for Sampling and Classifying Salt-Affected Soils of the Middle East." In this paper, Prof. Sayegh mentioned that the diagnostic values for exchangeable sodium percentage and electrical conductivity of saturated extracts, as suggested by the US Salinity Laboratory Handbook No. 60, do not fit the soils of the Middle East. He suggested that the criteria should be related to:

- i. — The nature of the soil system, including the texture and type of clay.
- ii. — The water quality and
- iii. — Management practices applied to the soil.

Prof. Sayegh mentioned also that published methods of soil analyses should not be used as "cookbooks" but should rather be modified when applied to arid conditions.

The recommendation of Prof. Sayegh was adopted by the drafting committee of the symposium. It was further agreed that Prof. Sayegh be asked to arrange for a seminar to be held in Lebanon in the near future, to study the status of soil research in the Arab world.

Dr. George H. Miller Dies

We learn with deep regret that Dr. George H. Miller died in the US on December 17 last.

The late Dr. Miller was Dean of the Faculty of Medicine and a well-known member of the community during the time of President Bayard Dodge.

Mrs. Bayard Dodge was notified of the sad news by the late Dean Miller's son, Dr. George Miller of 1802 N.W. 11th Road, Gainesville, Florida 23601.

Panel on Urban Planning



The panel on Urban Planning which the Alumni Engineering Chapter of the University organized last month at *Beit-ul-Mubandiss* (Engineers House) in Beirut was reported in the local press. The panel was under the auspices of H. E. Prime Minister Saeb Salam who was represented by the Minister of Oil and Industry, Mr. Pierre Helou. Seen in the picture above from left to right :

Deputy Chairman of the Engineering Chapter, Mr. 'Adil Hammiyeh; Prof. Raymond S. Ghosn, Dean of the Faculty of Engineering and Architecture; Mr. Pierre Helou, Minister of Oil and Industry; Prof. Kamal Khoury, Chairman of the Engineering Chapter; Dr. Khalil Maalouf, President of the Lebanese Order of Engineers and Architects.

Dr. L. Ghandur-Mnaymneh on WHO Sponsored Trip to Egypt

Dr. Latifa Ghandur-Mnaymneh, associate professor of pathology, has just returned from a one-month visit to Alexandria, Egypt. The trip was sponsored by the World Health Organization under its project for the exchange of professors amongst medical faculties within the region. She was stationed as visiting professor at the Department of Pathology of the Alexandria University Faculty of Medicine. During her stay, Dr. Latifa Ghandur-Mnaymneh gave three lectures which dealt with bone tumors, common diseases in Lebanon, and cancer in Lebanon.

In her lecture on cancer, she stressed the prevalence of the lymphomas in this

country and called attention to the occurrence of the so-called Mediterranean abdominal lymphoma with mal-absorption. She also stressed the high frequency of Hodgkin's disease and gave some of the recent concepts of the classification and staging with special emphasis on the recent approach to the pathological study of the disease.

Dr. Latifa Ghandur-Mnaymneh also moderated and conducted three clinicopathological conferences. She spent the major part of her time with members of the Pathology Department where she actively participated in the teaching of residents and in diagnostic work.

AUB In The Press

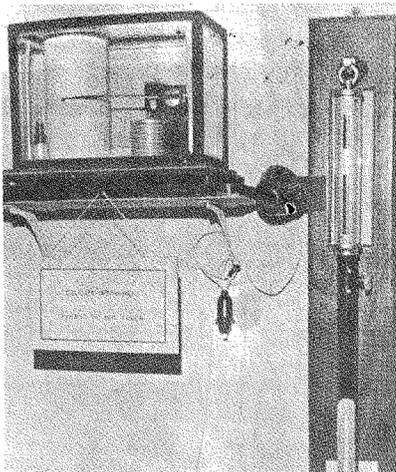
THE LOCAL PRESS



The opening by President Kirkwood of **Palestine Week** early in January at Jafet Library, was reported with pictures in the local press.

President Kirkwood was accompanied by Vice President Hakim, Dean Prothro and Dean Najemy.

One of the Palestine Week events, the opening of an exhibition at West Hall by Dr. Anis Sayegh of the Palestine Research Center, was covered in *Al-Muharrir*.



Barometer at AUB Observatory

In a long report on the drought which the Lebanon was facing as late as the first ten days of January *Al-Anwar* said the AUB Observatory showed that rainfall during the past month—the lowest in 45 years—was 27.9 mm compared to an average of 148 mm.

The paper gave extensive rainfall statistics from the AUB Observatory records.

Dr. N.H. Nabbut of the AUB Faculty of Medical Sciences and Professors Abdul Hamid Hallab and Adib Sa'd of the Faculty of Agricultural Sciences were last month interviewed on TV. They spoke of the papers they presented to the Fourth Science Meeting which was organized last December by the Lebanese Association for the Advancement of Science at the UNESCO Palace in Beirut.

Dr. Nabbut spoke of "Elevated-Temperature Technique for the Isolation of Salmonellae From Sewage and Human Feces."

The topic of Prof. Hallab was "The Detection of Powdered Milk Added to Fresh and Processed Milk."

Prof. Sa'd's topic was "The Effects of Growth Regulating Substances on the Incidence and Severity of Chocolate Spot Disease of Potatoes."

Pfizer

hospital on the campus

The November-December 1972 issue of the *Pfizer Europe Magazine* devoted two pages to an article on the AUB Medical Center, with pictures, headed "Hospital on the Campus."

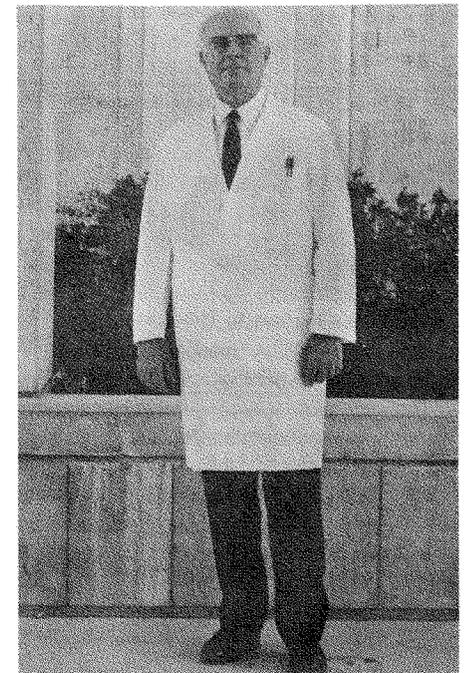
The magazine mentioned that the design and construction of the Medical Center buildings and essential equipment were financed by AID, adding that the Medical Center, which embodies a fresh approach to the health-care needs of the region, includes a new 420-bed hospital.

The magazine went on to say: "More than \$30 m. and ten years' planning went into the Center which was designed on the principle that today the doctor should lead a team of highly trained specialists which should care for the total health of the community, creating an environment of good health and reducing the general level of disease and injury to a minimum. Hence the broad emphasis on all fields of medical science and related technologies, rather than specifically on medicine and surgery."

The traditional annual party which the AUB Civic Welfare League gave last month to University workers and their families was reported in the local press. 130 kilograms of sweets were distributed to the children of workers.

Al-Muharrir published a long interview with Walid Kamaruddin of the AUB Faculty of Agricultural Sciences. Walid Kamaruddin, who belongs to a sports club in Tripoli, is described as being Lebanon's number one football player.

THE U.S. PRESS



An article on Dr. William Bickers, Chairman of the Department of Obstetrics and Gynecology, is published in the *Alumni Gazette of the College of William and Mary*. Two pictures of AUH and of Dr. Bickers appear with the article which is headed: *Commuting across 7,000 miles—Dr. William Bickers love affair with beautiful Beirut, Lebanon*. The writer quotes Dr. Bickers in describing the AUB campus, and mentions that in addition to his medical activities, Dr. Bickers is a prolific and incisive writer.

The writer says that although Dr. Bickers will retire from AUB next summer and return to Richmond, he will continue his professional association with this part of the world.

University Year Book "Campus '73"

The Editor-in-Chief of the University Yearbook "Campus '73" has announced the formation of the University Yearbook Committee as follows:

Editor-in-Chief Najib B. Azzam
Executive Secretary Jumana Nuwayri

Board of Managers:

Art Director Mu'taz Sawwaf
Advertising Manager Jalaluddin Fawwaz
Copy Editor Alexi Kutran
Photography Editor Joe Saadeh
Public Relations and Circulation Manager Zahar Hadid

Board of Editors:

Arts and Sciences Sylvie Aharonian
Medicine Raja Ayyash
Pharmacy Raffi Kurkjian
Nursing Najla Khalaf
Public Health Eva Muawwad
Engineering and Architecture Seto Eurdikian
Agriculture Ara Kemkemian
Sports George Adi

Faculty Advisor Mr. Fawaz C. Najja

Service Pins Awarded to Physical Plant Employees and Workers Totalling 470 Years of Service



The Physical Plant Department has presented service award pins to 24 of its employees and workers totaling 470 years of service. The presentation of pins was conducted by Mr. Aziz K. Nahhas, Director of Physical Plant at a gathering at

Mary Dodge Recreation Hall attended by Vice President Monnier and Mr. Farid A. Fuleihan, Director of Personnel together with Messrs. W. Abdul Karim and A. Al Sha', I.C. representatives.

Seminars on Law and Population in the Lebanon

The Population Studies Program of AUB is organizing a series of seminars on "Law and Population in the Lebanon" to be given by Dr. Georges Deeb, Assistant Professor of Political Studies and Law at the Lebanese University.

Members of the community are cordially invited to attend and participate in this series of seminars which is designed with a view to show the relation between law and family planning, to delimit the areas where law may have an impact on family planning, and to state the position of the Lebanese law with respect to each one of these areas.

Three seminars on Fertility Regulation and Family Status and Welfare have already been given. The remaining eleven seminars will cover the following topics:

Family Status and Welfare for the 17 Religious Sects in Lebanon (marriage, termination of marriage, divorce, separation, annulment, alimony and support).

Children and Child Welfare (support, protection and legitimacy of children).

Public welfare (family allowances, housing assistance programs, maternity leaves and benefits, old-age and retirement benefits, labor protection and employment standards, personal mobility, freedom of emigration, immigration restrictions, employment mobility).

Public Health (health insurance and medical assistance, hospitalization insurance and public clinics, control of medical facilities, medical profession, drugs and pharmaceuticals, disease control programs).

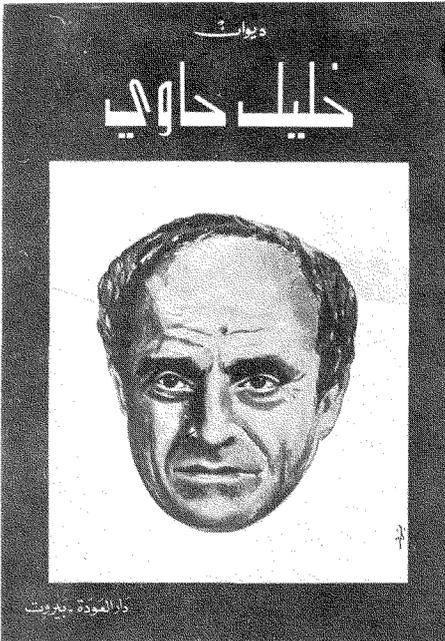
Education (compulsory elementary and secondary education, literacy and adult educational programs, financial assistance to education, educational opportunities for women, education affecting population directly, health and sex education, marriage counseling, education on conception restraint,

population education).

These AUB sponsored seminars will be held on Tuesdays, 4.30 — 6:00pm. (except on official holidays) as follows :—

Date	Seminar Topic
January 30	Family Status and Welfare II
February 6	Family Status and Welfare III
20	Children and Child Welfare
27	Public Welfare I
March 6	Public Welfare II
13	Public Welfare III
20	Public Health I
27	Public Health II
April 3	Education I
10	Education II
17	Education III

State Awards Prize for Poetry to AUB Professor



Prof. Khalil Hawi, professor of Literary criticism at the Arabic Department has been awarded the State's poetry prize for 1973. This award which amounts to LL6,000 is made in appreciation of Prof. Hawi's poetical works which *Al-Aouda* publishing house in Beirut has now issued in one complete volume.

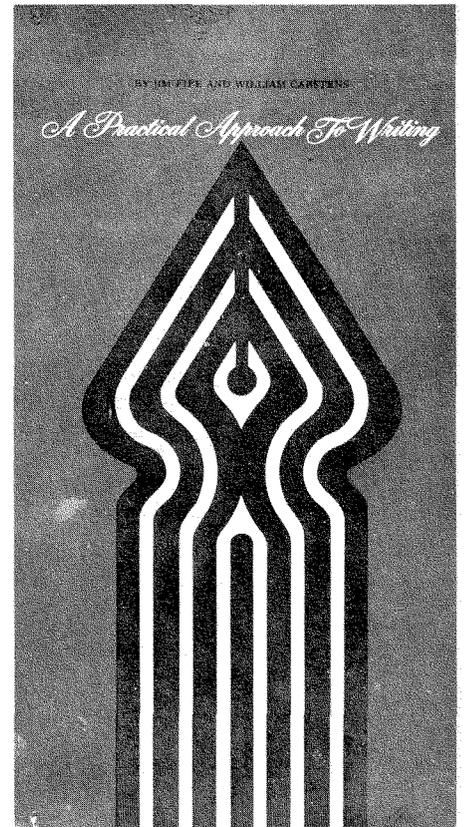
Poet Khalil Hawi was born in 1925 in Dhour Shweir. He graduated from AUB in 1951 and obtained his doctorate in Arabic literature from the University of Cambridge. He has several works in verse and prose, among them his book in English on Gibran Kahlil Gibran which is considered by critics to be the best work on Gibran. Prof. Hawi, will be publishing soon a book of verse entitled *Wounded Thunder*.

Graphic Design Exhibit at Jafet Library

The exhibition of book cover designs at the Jafet Library represents a particular aspect of the use of graphic design. As in the past, the professional artist plays a significant role, especially with the advent of mass media communications. The high level of aesthetic quality of today's graphic design has blurred the distinction between the "fine artist" and the "graphic designer." The better graphic designer is often sought after because of his unique artistic style (his signature so to speak) as is the painter, sculptor, printmaker, filmmaker, etc. The commercial world provides a means by which his work may be seen.

This exhibit offers a variety of design approaches, such as typography, illustration, photography, and the use of reproductions which are original works of art. In many cases two or more of these approaches are integrated. The treatment of subject matter varies from realism to abstraction. The latest technological advances in media and printing techniques, especially photography, are employed. The use of psychology and symbolism are evident in the relationship of the cover design to the content of the book.

The exhibition continues through January 26th.



AUBites With Lebanese Association For the Advancement of Science

Almost 50% of the 1973 officers of the Lebanese Association for the Advancement of Science are AUBites. Professors Salah Abu Shakra and Abdul Rahman Saghier of the Faculty of Agricultural Sciences are on the Association's new executive committee, Dr. George Freiha of the AUB Faculty of Medical

Sciences is appointed accounts controller, and Professors Charles Abu Sha'r, Nasri Kawar and Nassim Nabbut, respectively of the School of Pharmacy, Faculty of Agricultural Sciences and School of Medicine, are on the advisory committee.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....

.....

.....

.....

.....

.....



Matching Grants Stimulate Giving To AUB

The Office of Development has announced that gifts received for the first six months of the fiscal year total more than LL 3,500,000. This is 50% of gift receipts for the full twelve month period ending last June 30th. Over the past three years overall gift receipts have shown an increase of LL 3,000,000. These figures are exclusive of funds for AID scholarships and AID grants for the academic program.

The Rockefeller matching program which matches all gifts to AUB from sources outside the United States and Europe is nearing the halfway mark with more than LL 2,500,000 matched as of December 31st. The LL 6,000,000 grant expires on December 31, 1974 so that AUB will make every effort to raise LL 1,500,000 per year from Alumni and friends of the University, residing mainly in the Middle East, in the next two years.

The anonymous grant of LL 300,000 just announced in November but retroactive to July 1st has already been matched by more than LL 192,000 as of the end of the year. This grant will match gifts to AUB from individuals anywhere in the world when a gift represents an increase over giving during the previous fiscal year.

The University appeals to its friends and alumni everywhere, particularly in the Middle East, to send gifts and have them matched by the Rockefeller Foundation grant before it expires at the end of 1974.

Two Crops For The Price Of One At AREC



How to make use of corn-silage land during the off-season (winter and spring), utilize «free» winter rains, and produce much needed high quality cattle feed? One solution to the shortage of feed-producing land in Lebanon is in practice at the AUB Agricultural Research and Education Center (AREC) in the Bekaa.

The production and feeding of a winter-grown silage mixture of barley and vetch has been studied for the past several years by Drs. D.W. Bray, Professor of Plant Breeding and Genetics, and W.R. Anderson, Associate Professor of Dairy Science. From 1.5 to 2.0 tons of barley-vetch silage are being harvested per dunum, and no problem in feeding has been encountered.

The main benefit from growing the barley-vetch for silage is that the crop produced is of high quality, and the expenses are for seed, fertilizer, and mechanical operations only, since land and water can be charged to the maize crop to follow.

The maize, planted in the spring, is irrigated all summer, and ensiled in early fall. This harvest is followed in early November by seeding a mixture of Beecher barley and locally available vetch. The seeding rate per dunum is ten kg each of barley and of vetch, mixed and planted together. This high rate of seeding produces a dense stand and high yields of plant material. The seeds germinate quickly following the first fall rains, become well established, go dormant for the winter, then resume growth early in February. By the time the soil moisture is gone, the plants are ready to be ensiled.

At seeding time, 10 kg of nitrogen and 10 of P_2O_5 should be applied. In February, a further 5 kg of nitrogen should be applied. The crop should be ensiled when the barley kernels are in the thick milky to soft dough stage.

(cont'd on page 5)

OUR NOTICE BOARD**University Chapel Services**

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

There will be no Chapel Services on February 4, 11, or 18. Worship services will resume on Sunday, February 25, 9:30 a.m. Dr. George Bebawi, Executive Secretary of the Association for Theological Education in the Near East, will be the guest preacher.

MONDAY, FEB. 5

- Organ Concert by Harry Gabb (Organist, H.M. Chapels Royal) (International Organ Concert Series), Assembly Hall — AUB, 8:30 p.m. Tickets: LL.25, 10 and 5.

WEDNESDAY, Feb. 7

- Lecture by Prof. G. Maleh John Hynd: A Study in Professional Plagiarism. (Byron Porter Smith Lectures Series). West Hall — Auditorium «B», 7:30 p.m.

WEDNESDAY, Feb. 21

- Lecture by Prof. Usama Al-Khalidi «Chemical Feedback Control Mechanism» (Science for the Public Series). West Hall — Auditorium, 8:00 p.m.
- Concert by Consortium Classicum «A Group of Seven Musicians from Germany.» Assembly Hall — AUB, 8:30 p.m. Tickets: LL.10, 7, 5 and 3.

Prof. Nasser Presents Papers At Conference In New York

Prof. Essam Nasser, Professor of Electrical Engineering, has left to attend the 1973 Winter Meeting of the Power Engineering Society of the Institute of Electrical and Electronics Engineers which is now held in New York City—January 28 to February 2. At this conference he will present two research papers which include new theoretical concepts and results of experimental work using a new technique for investigating the phenomena of air breakdown, and associated corona and their effects on the transmission of electrical energy at high voltages.

Prof. Nasser will also be participating in the work of three US national committees and subcommittees of the Institute which deal with the problems of transmission and distribution, lighting and insulators and the effects of contamination.

He will also be serving for the first



time on another US committee, the Working Study Group of the Radio Noise Committee, to which he was appointed in February 1972 as an AUB Faculty member.

Piano Concert By Mr. Peter Efler

Mr. Peter Efler, the well-known Austrian pianist is scheduled to play on Thursday, February 8, 8:30 p.m., at the Assembly Hall. His program will include works by Beethoven, Schumann, Debussy and Prokofiev.

Mr. Peter Efler is not only winner of the First Prize at the International Competition for Pianists in Geneva, but also of a Special Prize awarded during this most important competition for an outstanding and unrivalled performance.

He entered the Academy of Music

in Vienna at the age of eleven and was already praised by critics at the age of thirteen, when his interpretation of Beethoven's difficult piano works during Brussels Expo' was transmitted by radio and television to Western Europe and the US.

Tickets for this concert are sold at AUB for LL 15, 10, 7, and 5. Members of the AUB Music Club, the *Jeunesses Musicales du Liban* and students of the *Conservatoire* may obtain a 50% reduction on tickets at LL 7 and 5.

Piano and Violin Concert By Mr. and Mrs. Mandel

The Department of Fine and
Performing Arts
and the J.F.K. American Center
present

Alan Mandel: pianist
Nancy Mandel: violonist
in a program at the Assembly Hall
Friday, Feb. 2, 1973
8:30 p.m.

Tickets on sale at West Hall —
LL10, 7, 5 and 3.

The program includes works by Louis Moreau Gottschalk (1829-1869), Benjamin Lees, Elie Siegmeister, Charles Ives (1874-1954), Scott Joplin (1868-1917), Max Morath, William Allbright and Paul Pratt.

Muslim New Year

Prof. Sayed Husain Jafri of the Department of Religious Studies has written the following to explain the Muslim New Year:

The Muslim Calendar begins with the first day of the Arabic month al-Muharram and is religious both in its origin and function.

In A.D. 622 the Prophet, at the invitation of the people of Yathrib, now called Medina, migrated from his native city Mecca to settle down in Medina with his followers. This event is known in Islamic history as the Hijra which made a turning point in the career of the Prophet and a revolution in Islam. The religious community of the Muslims in Mecca was then successfully translated from theory to practice and thus Islam and the Muslim community entered into History. Seventeen years after the Prophet's migration or, seven years after his death, the Caliph Umar found it necessary to fix an official calendar for the Muslims in order to regulate fiscal and administrative functions of the community. The Caliph, at the suggestion of Ali bin Abi Talib, ordered that the lunar year of twelve months should be held to have begun on the day on which the Prophet Muhammad left Mecca—16 July A.D. 622, and that

The Moslem New Year will fall on Sunday, February 4, 1973. Monday, February 5, will be a holiday for non-academic personnel.

On this occasion the Director of Personnel has announced the following:

Any Employee or Worker who is required to be on duty by reason of reg-

ular shift work or for performing essential services on that day will be so advised by his supervisor and will be granted a compensatory day off within a period of 45 days from the holiday. In case it is not possible to grant a person a compensatory day off within a period of 45 days from the holiday, he will be paid at the regular pay rate for working during this day.

the Muslim Calendar should be counted from that day.

The departure of the Prophet Muhammad from Mecca is known in Arabic as the Hijra, or Migration, and the Muslim Calendar is thus known as the era of Hijra. In English it is usually abbreviated in a Latin form: A.H. that is, Anno Hijrae. In this way 16 July 622 became officially, Muharram A.H. 1.

Since the Muslim year is a lunar year which takes no account of the solar year nor of the change of the seasons, with the result that in each 23 1/2 years it passes all the solar seasons. Thus, if in a lunar year the fasting month of Ramadan occurs during the heat of the summer, it will occur within the cool season 16 1/4 years later.

The second Caliph Umar, d. 26 Dhu'l-Hijja, 23 A.H., 3 Nov. 644 A.D., after adopting 1st Muharram as the first day of the Muslim Calendar, was especially interested in celebrating it, and since then the Hijra year's day has been celebrated with great pomp and show. It became one of the most colorful ceremonies during the Caliphates of the Abbasids of Baghdad and the Fatimids of Egypt.

ular shift work or for performing essential services on that day will be so advised by his supervisor and will be granted a compensatory day off within a period of 45 days from the holiday. In case it is not possible to grant a person a compensatory day off within a period of 45 days from the holiday, he will be paid at the regular pay rate for working during this day.

Yusuf Saliba Awarded The Murad Al-Akl Prize



L. to r.: Yusuf Saliba, Dean Prothro and Prof. Abboud.

The University Orientation Program has announced the award of the Murad Al-Akl prize to first-year student, Yusuf Saliba of Beirut. The award of \$40 was presented to Mr. Saliba by the Dean of the Faculty of Arts and Sciences, Prof. Edwin T. Prothro. Honorable mention was made of essays submitted by Miss May Zein, a Lebanese from Panama and Mr. Mohamad Hassan of the Maldives Islands.

The Murad Al-Akl Prize is awarded each year to the winner of an essay contest among students in the University Orientation Program. The chairman of the program, Prof. Shehadeh Abboud, announced that essays were evaluated by a faculty committee and Mr. Saliba's essay was selected from among 17 participants writing on the subject, «How do you think your knowledge of English can help your country.»

The selection committee included Professors Jean Praninskas, George Taylor, Laure Crow, Elizabeth Scott and Ralph Brown of the English Department or the AUB Center for English Language Research and Teaching. Awards were made on the basis of originality of thought and the best use of English.

Power Outages On Campus

The Physical Plant Department has issued the following statement to explain power outages which occurred last week on campus:

«Several power outages of a few minutes occurred on campus on Mon-

day, January 22, 1973 as a result of mechanical trouble at the AUB Power Plant. This was caused by air-locks in the fuel distribution system. Adequate steps are being taken to prevent such occurrences.»

915,438 Kgs of Linen Laundered Last Year

The annual report of the Laundry Department for the past year showed a clear increase in the load of work while the number of employees remained unchanged.

A total of 795,683 kgs of linen laundered in 1969-70, rose to 915,438 kgs in 1971-72. This increase was mainly due to a growth of 85% in the standard of linen which was increased by one set, to the number of beds in the new hospital, and to personnel services to cover 185 new beds and 5 operating rooms. 3,500 kgs of linen made for the operating rooms were dyed green using 24 kits of brilliant green dye.

The report points out that there has been no change in the number of personnel in this Department. Forty full-time employees plus the laundry manager are operating the Laundry Department which consists of the laundry workshops located on campus, the Central Linen Supply Center and the Uniform Distribution and Collection Center on the second floor of the Hospital building.

The report expects the laundry will have to cope with more work after the addition of 58 private beds on the 10th floor of the hospital.

An increase in the work load of the Sewing Room was also reported for 1971-72.

The number of manufactured and mended linen pieces rose respectively from 35,549 and 49,864 in 1969-70 to 50,239 and 56,956 in 1971-72. On the other hand, the number of discarded linen pieces dropped from 10,067 in 1969-70 to 7,799 in 1971-72.

The report also mentions a 10% rise in the prices of material.

Besides the supervisor, the Sewing Room employs one dress-maker, four assistant dress-makers and 13 seamstresses.

Icons At The Moscow Tretyakov Gallery



Mrs. Geystor, lecturing.

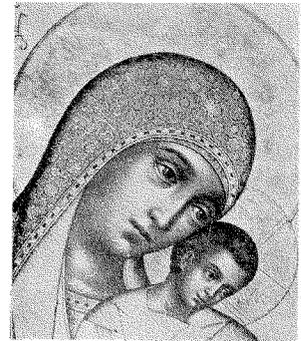
Mrs. Antonina Geystor, former professor of French at the Department of European Languages and Literature gave last week in West Hall an illustrated talk on 34 selected Russian icons at the Tretyakov Gallery in Moscow. This lecture was sponsored by both the Department of Fine and Performing Arts, and the Division of Extension and Special Programs.

The lecturer began by explaining the history of the Picture Gallery of the Brothers Tretyakov. This gallery opened its doors to the public in 1881, and in 1892 became the property of the City of Moscow.

Speaking of Russian icon painting the lecturer said it had its roots in Byzantine art, which in turn was based on Oriental influences, mostly Syro-Palestinian.

Mrs. Geystor went on to say that to the Russians, icons were never treated as idols. The artists who created them were mostly monks who were content to work anonymously.

Icons were painted on boards usually of lime wood. The canvas was attached to the board by fish glue and covered with gesso ground. The wood intended for the painted icons had to be carefully chosen and well seasoned. Processional icons were painted on both sides of the board, for their wood was particularly thick. Most often raw egg yolk, diluted in rye beer, was used as natural dye. The painter invariably outlined his picture in cinnabar to give it a red color background, then applied a coat of white lead burnt to



The Virgin of Kykkos by Ushakov—17th Century.

a greenish tinge, and upon it painted the faces in darkish brown. Shadows and perspectives were unknown. The experienced painters were responsible for facial images, while their pupils produced the figures and the backgrounds.

The icons were often embellished with jewels and stamped metal sheets, but with years it became usual to encase them with costly metal cover or *riza*.

The first Russian medieval art exhibition was held in Moscow in 1913 and the public was struck by the beauty of the icons, for their charm resided in the interplay of luminous and gay colors. No single icon is an exact copy of another.

Mrs. Geystor explained that Russian icon painting is characterized by a progressive humanization of the aesthetic laws of form. The internationally acclaimed Audrey Rublev (b. 1360) fully achieved this humanization of the formal language in icons.

In the 13th century, when cultural relations with Byzantium were severed, icon painting continued in monasteries and many independent original schools.

The 14th century, after relations with Byzantium were resumed, witnessed the climax of Russian icon painting with such artists as Theophanes the Greek and Rublev. Rublev's *Trinity* is the most famous of icons.

The 16th Century is dominated by the outstanding figure of Dionisiy who headed the Moscow school of painting, and the 17th Century, which had Ushakov as the great icon painter, saw a definite decline in icon painting. This art died early in the 18th Century.

Two Crops For The Price of One At AREC

(cont'd from page 1)

During harvesting it is important to chop the forage into pieces no longer than one to two cm, and to pack it firmly into the silo, to exclude as much air as possible.

This silage is fed «free choice» 20 to 30 kg per cow per day. About 8 kg of concentrate and 2 kg of good alfalfa hay round out a highly palatable, nutritious, and productive ration for milking cows. Proof for this is that the noted cow AUB Lina, completing her recent record of over 9,000 kg of milk in less than a year, was fed this silage during her peak period of production.

Currently there is intensive investigation into the production of this winter crop being done at AREC. Different amounts of fertilizer, and times of application are being tested. Over 70 different legumes are now seeded in mixtures with barley and oats, and the barley and oats are seeded at different seeding rates. A search is on for a better legume than the local vetch as the main component in this mixture. Although Beecher is a very good barley, something better: oats, or just a better variety of barley is desired.

Excellent feed has been produced at AREC over the last three years using the barley-vetch mixture. Until something better is found, this mixture will play a prominent part in the feed program at AREC, and can do the same through much of the Bekaa.

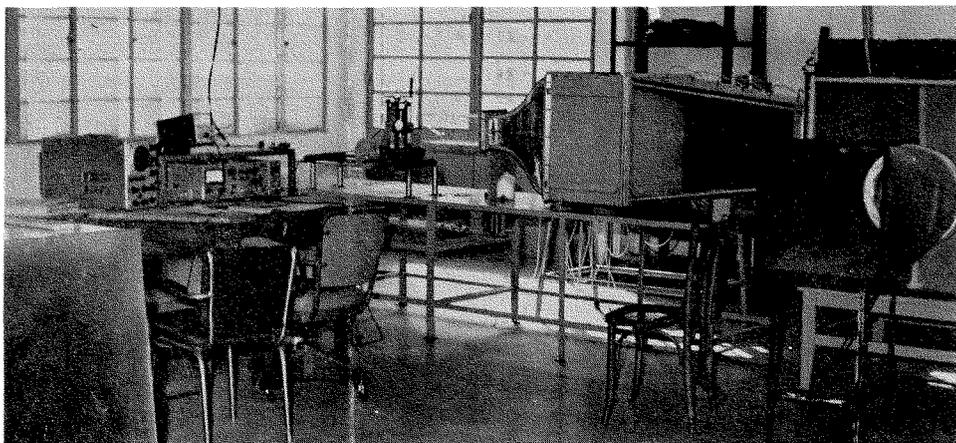
The Mathematische Annalen Publishes Paper by Prof. A. Chalabi

The *Mathematische Annalen*, II, 1-7 (1973) is publishing a paper by Prof. Ahmad Chalabi of the Department of Mathematics, entitled:

Modules Over Group Algebras and Their Application in the Study of Semi-Simplicity.

The 7-page paper uses some results developed by Prof. Chalabi to prove new theorems on the Jacobson radical of group algebras in characteristic p cases.

Department of Mechanical Engineering Constructs Wind Tunnel



The Department of Mechanical Engineering has started to offer elective courses open to students in their final year. This is part of the new Undergraduate Curriculum which was set by the Faculty of Engineering and Architecture two years ago as later years had been characterized by a big increase in the number of students electing Mechanical Engineering as major. From an average enrollment of 10 students in classes before 72, the number grew to 30 for the class of 73 and 35 for the class of 74.

On the other hand, research has been very active at the faculty level; six articles were published in International Journals in 1971.

One of the most important events at the Department of Mechanical Engineering nowadays is the wind tunnel under construction.

Since wind tunnel construction is based mainly on experiment, a 1/4 scale model of the tunnel which is a prototype low speed wind tunnel was built during the past two years and is now in operation. All investigations and experiments pertaining to the construction of the tunnel are completed, and all data collected and analyzed.

The centrifugal type blower of the tunnel has been received, and it is hoped the tunnel will be ready in June '73. The function of the different sections of the tunnel is to regulate the flow and reduce its turbulences to a minimum level.

The flow is slowed down in the diffuser and enters the settling chamber where fine wire-mesh screens and a honeycomb unit reduce the turbulence level and lateral fluctuations. The flow is then accelerated in the con-

vergent section which in addition will also dampen the turbulence level by an estimated factor of about 20. Different test sections, depending on the experiment to be carried, can be mounted at the exit of the convergent section. The overall length of the tunnel will be 12 meters, and the test section will be 60cmx60cmx4m. Reduced models of structures can be placed in the test section where wind velocity will reach 150 km/h.

Some of the greatly important sophisticated instrumentation which is required with the tunnel has been made here at the University.

The multi-purpose tunnel will be used mainly for:

1. *Architectural aerodynamics* — or the study of the effects of wind on buildings and structures.
2. *Pollution studies* — of the distribution of smoke and dust.
3. *Pure fluid mechanics research* — on flows in ducts, air conditioning, blowers, fans, etc.

When completed, the tunnel will be unique in the area. It will be comparable in performance to top research tunnels of foreign universities where the best turbulence level ever attained is .03%. The reduced scale model has already attained a .05% level which is still to be improved on the full scale tunnel.

The idea of the wind tunnel was conceived by Prof. A. Sfeir and Chairman S. S. Deeb of the Mechanical Engineering Department. Prof Sfeir said it was during his work in the US that he got interested in wind tunnels. Chairman S. S. Deeb, and three graduate students, Assad Bassam, Sifri Costandi and Sleiman Abd el-Karim are helping Prof. Sfeir in this project.

AUB In The Press

Press Magnate Lectures At AUB



Mr. Freiha with Mohammad Dajani, President of the Student Council.

The lecture given by Mr. Sa'id Freiha last month at the Assembly Hall had wide press coverage.

At the invitation of the Student Council, Mr. Freiha, founder of *Dar Assayad* which publishes the daily *Al-Anwar* and the weeklies *Assayad* and *Ash-Shabaka*, spoke of

his press experience which is 45 years old and argued in favour of press commitment. In reply to a question at the close of his pleasant lecture, Mr. Freiha said no one could deny the influence of foreign universities on national causes, as great men and leaders have graduated from these universities.

The Venerable University

The explosion which occurred last month in the basement lavatory of Nicely Hall was widely reported with pictures in the local press and was mentioned in various commentaries.

The French language *As-Safa*, in a critical editorial, referred to the visit of «anonymous dynamiteros to the venerable American University,» while

Al-Amal said the authorities gave much attention and importance to the explosion.

On the other hand, *Al-Anwar* gave wide space to report the explosion and *Al-Bayrak* wondered what benefit did the man who placed the explosive obtain from such an act.

Dr. Azar on Medical Brain Drain

The French language weekly *La Revue du Liban* interviewed early last month Dr Joseph Azar following his election president of the Order of Physicians, and spoke of his long association with AUB.

Dr. Azar pointed out that there is no dispute between physicians of AUB and the University of St. Joseph and that the graduates of both universities

cooperate in the service of the country. He brought up the question of the «medical brain drain» saying that 50% of doctors emigrate to the countries where they complete their specialization. Dr. Azar remarked that to complete their studies, doctors cost their weight in gold, adding that at AUB 20% of the cost is paid by the University.

Dr. Hughes, one of 9 Men in USA To Do Research on Drugs

In reporting that Dr. Patrick H. Hughes was one of nine men in the United States chosen to take part in a \$300,000 program to combine talents in a new coordinated research effort in the field of drug abuse, the *Latrobe, Pa., Bulletin* mentioned that Dr. Hughes serves at the AUB Medical Center in psychiatry and is a consultant on drug abuse and mental health.

AUBite Named Vice President Of Sterling Drug, Inc.



The Times Record, Troy, N.Y., which reported last month (Dec. 4) that Dr. Alfred Farah was named vice president for research of Sterling Drug, Inc., and chairman of the research division, mentioned that he received his B.A. and M.D. degrees from AUB where he taught pharmacology from 1940-1945.

Tell-el-Ghassil Artifacts

The Christian Science Monitor, Boston, Mass., the *Orlando, Fla., Sentinel*, the *Minneapolis Tribune*, Minneapolis, Minn., the *St. Louis Globe-Democrat*, the *Buffalo Evening News*, the *Scottish Daily Express*, Glasgow, and *The Journal Newcastle-upon-Tyne*, reported the discovery by AUB archaeology students late last year of artifacts at the site of Tell-el-Ghassil in the Bekaa. They mentioned that the finds date back to 1600 B.C. The *Buffalo Evening News* quotes Prof. Dimitri Baramki in describing the excavations and the AUB Museum.

Article By Prof. R. W. Nightingale on Farm Output Appears in FINANCIAL TIMES

Dr. Ray W. Nightingale, Assistant Professor of Agricultural Economics at the AUB Faculty of Agricultural Sciences (FAS) wrote an article on the farm output in Lebanon, which appeared in the *Financial Times*, London, on Thursday December 7, 1972. An abstract of the article follows:

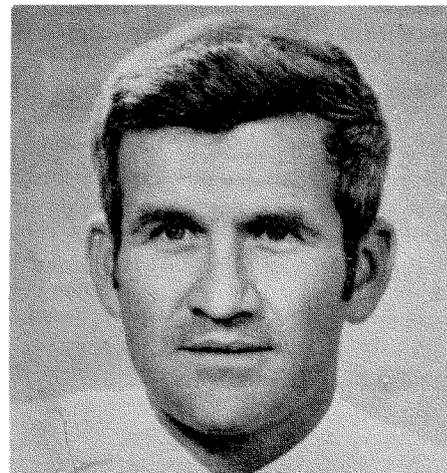
Recent gains in agricultural production are the consequence of the rapid influx of new production technology in recent years. Currently, progress is being made in some food processing industries, particularly fruit products including frozen citrus concentrates. A promising start has been made in meat processing. Progress is increasingly the product of the local scientific community and dynamic local entrepreneurship.

Agricultural export gains of the 1960's have slackened due to: (1) the rising cost of good agricultural land and labour; (2) strong consumer and food manufacturer preferences for imported food products; (3) strong food

export programs by East and West European sellers; (4) dependence of Lebanese exporters on Middle Eastern markets to which access has been irregular; and (5) trading policies of advanced agricultural economies which have aggravated the deficit on both the import and export side through exports of accumulated farm surpluses or bilateral exchange of farm products for convertible currencies.

The increasing cost of food imports and instability of exports has created an environment in which agricultural and financial interests have sought and obtained tariff and/or quota protection for local production and processing of staple foods, thus encouraging import substitution in the products which eventually are least likely to find export markets.

Government concern is reflected in the Government Six-Year Development Plan (1972-77) which allocated LL 57 million annually for agricultural projects and LL 192 million for irriga-



tion. This constitutes 21 per cent of the LL 1,191 million annual budget. Despite very large accumulations of local bank deposits and every evidence elsewhere in the economy that capital is in plentiful supply, the largest single agricultural investment in the Six-Year Plan is for expanding agricultural credit.

Mr. Harry Gabb Gives Concert On New Organ

Mr. Harry Gabb, organist for Her Majesty's Chapels Royal (Great Britain) is giving an organ concert at the Assembly Hall on Monday, February 5, at 8:30 p.m.

This concert which is given in the International Organ Concert Series on the new Marcussen 3 manuals 33 Stops Baroque Style Organ, is sponsored by AUB and the Holding Corporation and Beirut Express.

The program includes works by Schroeder, Festing, Bach, Howells, Vierne, Dupré and Roberts.

Mr. Gabb is organist, choir master and composer at Her Majesty's Chapels Royal since 1933.

He is sub-organist of St. Paul's Cathedral since 1946, professor of organ at the Trinity College of Music, London, and special commissioner of the Royal School of Church Music. He has played at the coronation of Her Majesty Queen Elizabeth II, and at the baptism of Prince Andrew and the wedding of Princess Margaret.

Mr. Gabb holds many awards for organ-playing and for composition.

Tickets at LL 25, 10 and 5 are on sale at West Hall.

Prof M. Zayid Lectures in Kuwait



Prof. Zayid is seen with Sheikh Abdallah Al-Jabir Al-Sabah, special advisor to H.H. the Amir of Kuwait, Sheikh Sabah Al-Ahmad Al-Sabah, Kuwait's Minister for Foreign Affairs and Acting Minister of Information, and Mr. Sa'dun Mohammad Al-Jassim, Under-Secretary of the Ministry of Information, at the opening of a photography exhibition in Kuwait.

Prof. Mahmud Zayid of the Department of History and Archaeology stayed two weeks last month in Kuwait at the invitation of the Kuwait Ministry of Information.

During this visit Prof. Zayid gave a lecture at the University of Kuwait on the need for rewriting the history of Islam. This lecture had a good press

coverage and the Rector of the University of Kuwait proposed its adoption as a working paper for the meeting of the Union of Arab Universities.

Prof. Zayid also met AUB alumni and Kuwait Government ministers, under secretaries and senior officials and explained to them that scholarships for Ph.D. students will be welcome at AUB.

AUB Assists in Tourism Campaign

The Lebanese National Council of Tourism, in collaboration with the American University of Beirut and Air France, is organizing an essay-writing competition to promote tourism in the Lebanon.

The contest is open to all American college students aged 18-26, other than those of Lebanese descent, and essays (3,000-4,500 words) will have to be written on one of the following topics:

- i — The place of Kahlil Gibran's thought in the contemporary world.
- ii — The contribution of Phoenicia to world civilization.
- iii — Problems and prospects of economic development in Lebanon.

Entries should be mailed before April 1, 1973 to:

The Youth Center, National Council of Tourism in Lebanon, Box 5344, Beirut.

All essays will be read by a panel of the following AUB professors:

Prof. John M. Munro, Associate Dean of Arts and Sciences.

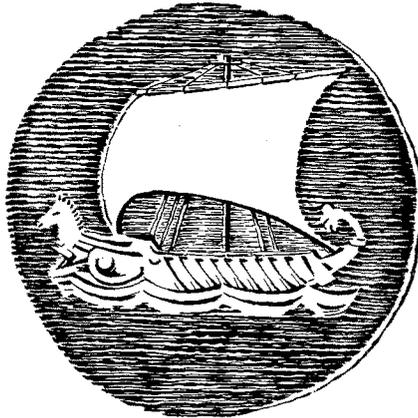
Prof. Dimitri Baramki, Curator of the AUB Museum

Prof. Suheil Bushrui, Chairman of the Department of English

Prof. Marwan Ghandour of the Department of Economics

Winners will be notified by cable on June 10, 1973, and will be offered round-trip air tickets to Beirut and a free all inclusive 15-day vacation in Lebanon.

The aim of this cultural contest is to create better cooperation among students of both countries, US and Lebanon, and ultimately lead to better understanding among nations in con-

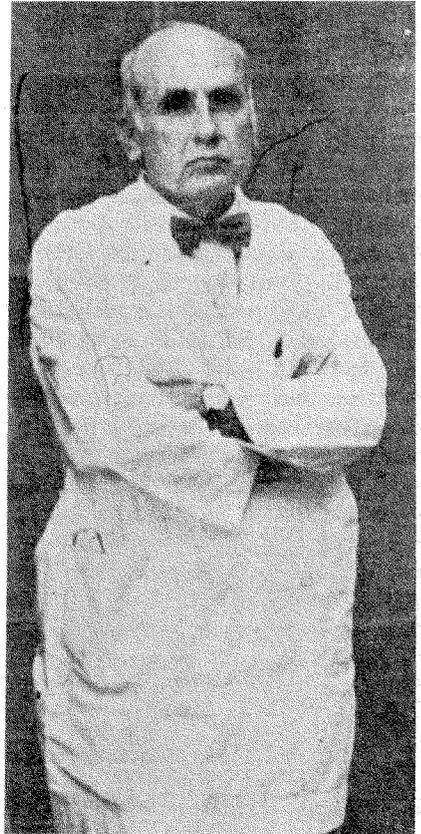


formity with the spirit of the UN Charter and the universal Declaration of the Rights of Man.

In a letter to the Youth Center of the National Council of Tourism in Lebanon, President Samuel B. Kirkwood said he was pleased to learn of the cultural contest which will be open to American college students and which will promote student travel to Lebanon and cultural exchange between this country and USA.

Copies of President Kirkwood's letter were attached to a brochure and distributed among colleges in USA by the National Council of Tourism.

Dr. I. Dagher Awarded Order Of Health Merit



His Excellency the President of the Republic, Mr. Sleiman Franjeh has awarded Dr. Ibrahim Dagher, Acting Chairman of the Department of Surgery the Golden Order of Health Merit, Grade I.

The Presidential decree mentions that the award is made in appreciation of Dr. Dagher's effective contribution to raise the standard of surgery of the coronary artery disease.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To :

Stamp

.....

.....

.....

.....

.....

.....

AUB BULLETIN



VOLUME XVI, No. 15

THURSDAY, FEBRUARY 22, 1973

National Council For Scientific Research Signs Two Contracts With AUB



L. to r. Prof. Asmar, Dean Swenson of the Faculty of Agricultural Sciences, Dr. Naffa', President Kirkwood, and Prof. Talhouk.

Two new contracts have been signed by the Lebanese National Council for Scientific Research and the American University of Beirut for research projects to be carried out by the AUB Faculty of Agricultural Sciences on plant diseases and the pollution of cow's milk.

These two contracts are part of the scientific goals of the National Council for Scientific Research which attaches much importance to applied research in view of the economic benefits resulting from the exploitation of results, and to scientific achievements in the country's development growth.

The Secretary General of the National Council for Scientific Research, Dr. Joseph Naffa' has announced that these two contracts, in addition to the two previous contracts recently signed with AUB for research on concrete and on the industrialisation of fruits

and vegetables and the formulation and processing of nutritionally adequate and low-cost baby food, aim at benefitting of the country's available scientific potential.

These projects fall within the scope of a work program which constitutes a fundamental part of the first six-year plan for scientific research adopted by the Council and included in the Government's general plan for development in Lebanon.

Vectors of Virus Diseases of Plants in Lebanon

The aim of this research project is the systematic collection and identification of aphids and leaf hoppers from all weeds as well as cultivated plants, forest trees, and shrubs, at different times of the year in order to survey the extent of their spread in

(cont'd on p. 7)

AUB Group Visits Qatar



His Highness Sheikh Khalifa Bin Hamad Al-Thani.

President Samuel B. Kirkwood, accompanied by Dr. Alfred Diab and Mr. Nazih Zeidan visited Qatar this month to foster relations between the University and the State of Qatar in the field of educational and medical developments. The State of Qatar has been making rapid progress in these fields under the leadership of His Highness the Amir Sheikh Khalifa Bin Hamad Al-Thani.

The AUB team met with His Highness the Amir, and with the Minister of Education, the Director of the Amir's Office and Minister of Information, the Minister of Economy and Commerce, the Minister of Foreign Affairs, and the Minister of Health. Over 30 AUB alumni attended a reception given in the President's honor. Senior officials of the Ministries of Education and Health conferred with the AUB team.

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

On Sunday, February 25, Dr. George Bebawi, Executive Secretary of the Association for Theological Education in the Near East, will be the guest preacher.

Mathematics Colloquium

The fifth meeting of 1972-73 will be as follows:

Speaker: Prof. Ahmad S. Saidan, Department of Mathematics, University of Jordan.

Subject: «Medieval Arabic Computational Methods».

Date: Thursday, February 22, 1973. 3:30 p.m. Tea, 4:00 p.m. Paper.

Place: Room 116 Bliss Bldg.

●
WEDNESDAY, Feb. 28

— LECTURE BY PROF. N.J.Q. BRATTON: «Transformations and Messages in English» West Hall — Auditorium «B», 7:30 p.m.

SUNDAY, March 4

— ORGAN CONCERT BY SALVADOR ARNITA, Assembly Hall — AUB, 8:30 p.m. Tickets: LL5, 3 and 2.

— Net proceeds to Fine and Performing Arts Student Scholarship Fund.

Yale Professor to Speak at AUB Philosophy Symposium

The first meeting of the Philosophy Symposium for 1972-73 will be held on Monday March 5 at 4:30 p.m. in room 312 Nicely Hall. Dr. Paul Holmer, well-known Professor at Yale University, will speak on «Wittgenstein: Showing and Saying.» The paper will be followed by discussion. All members of the University community are invited to attend.

Members of the University community who would be interested in presenting papers, of general philosophical interest, to future meetings of the Symposium, are invited to contact Professor D.C. Makinson, extension 2422.

Former AUB Faculty Dies

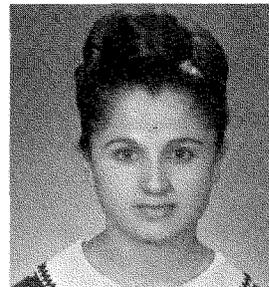
Word has been received of the death of Professor Charles MacNeal, a member of the AUB Faculty 1919-1922, a long standing friend of the University and a distinguished musician and teacher. Many generations of Middle East students were inspired by his scholarship and his contagious enthusiasm for all musical and artistic expression. His teaching career at

Robert College in Istanbul as Professor of Music and Literature spanned nearly forty years before his retirement in 1962.

Professor MacNeal is survived by his widow Sarah Riggs MacNeal, Meadow Lakes, Highstown, New Jersey, and by his sister, Mrs. Bruce M. Hicks of Atherton, California.

May Shwayri Dies Following Accident

Miss May Shwayri, Bursary Student Officer and a member of the AUB staff for eleven years, died February 14th as a result of an automobile accident on the Tripoli road a week earlier. The AUB community joins in an expression of condolences to the Shwayri family, and especially to Miss Shwayri's brother, Fuad who is employed as shop master in Electrical Engineering at AUB.



The late May Shwayri.

Art Students Work Exhibited



Ceramics

The Department of Fine and Performing Arts and the Fine Arts Students Society are sponsoring an exhibition of *ART STUDENTS WORK* in two

media, Ceramics and Printmaking. The exhibition, Feb. 19-28, is held at the Central Jafet Memorial Library.

Civic Welfare League

Forty years ago, in 1933, a group of AUB students started what a few years later became known as the Civic Welfare League (CWL), which has been increasingly active ever since. The league's social work is undertaken by various committees whose activities include village, child, city and community welfare, health services, publications and finance, assistance to orphans and a student aid fund.

The Civic Welfare League also organizes work camps to help villagers and night schools for University workers, and distributes, during Christmas, old clothes to prisoners and presents and toys to sick or handicapped children and orphans. It also publishes *Focus* (the CWL magazine), and arranges trips, receptions, lectures and panel discussions, as well as «Palestine Week» (May 8-15).

To finance the above activities, funds are collected through bake sales, plays, movies, the annual garden party when Miss AUB is elected, and other functions.

The committee concerned with community welfare is conducting three evening classes a day to teach chicle vendors. These children are also given a luncheon each week.

The Civic Welfare League believes that such matters as illiteracy, poor sanitation, child labor and harsh living conditions should be the concern of all groups. The league provides all enthusiasts with an opportunity to assist the less fortunate members of the community.

Prowler Handed Over to Police

Early this month the Office of Protection was alerted of the presence of a stranger moving suspiciously in Van Dyck Hall. A campus policeman was immediately despatched to escort the man for questioning. His conflicting reports led the Office of Protection to hand him over to the Police station for investigation.

The man, Adonis Hayek—born 1952 in Zahle—confessed to the Police that he was in Van Dyck Hall with the intent of stealing, that he already conducted 17 thefts on campus and at AUH, and that he had a partner who was found to have a record in Police files.

Kamel Mroueh Memorial Scholarship Offered to Mona Audeh



L. to r.: Mr. Taha, President Kirkwood, Prof. Zurayk, and Mrs. Barody.

The Chairman of the Press Association Mr. Riad Taha, together with Prof. C. Zurayk and Mrs. Laila Barody, all members of the Trustees Committee of the Kamel Mroueh Memorial Fund, have visited President Samuel B. Kirkwood and handed him a cheque for LL2,500 being the annual scholarship for a promising AUB student in mass communications.

The Trustees Committee of the Kamel Mroueh Memorial Fund had met and voted to offer this year's scholarship to Miss Mona Audeh, a senior mass communications student. The offer was made at the recommendation of Prof. Nabil H. Dajani of Mass Communications at AUB. Miss Audeh is now undertaking research work on

the Lebanese mass media under Prof. Dajani's supervision.

On presenting the cheque, Mr. Riad Taha spoke in praise of AUB, referring to the University as a citadel of learning which has graduated successive generations of educated young people in Lebanon and the Middle East.

In thanking Mr. Taha for his feeling towards the University, President Kirkwood said he was grateful to the Trustees Committee of the Kamel Mroueh Memorial Fund. President Kirkwood praised the role of the press in enlightening public opinion and described the concept of journalism as important, particularly in developing countries.

Graduate Nutrition Program Seminar Series

The interfaculty Graduate Nutrition Program at AUB will be sponsoring this semester a series of seminars on recent topics in Nutrition. Faculty members from Medical and Agricultural Sciences will present the seminars on Wednesdays at 5:00 p.m. in Room 219 at Medical Center I. The schedule of the seminars will be as follows:

(1) Feb 28; Dr. D.S. McLaren: «Protein-Caloric Malnutrition — Recent Concepts».

(2) March 28; Prof. S. Akrabawi: «Adaptation to Carbohydrate-free diets».

(3) April 18; Dr. Z. Awdeh: «Studies on Serum Albumen».

(4) May 16; Prof. A. Bhattacharya: «Antibiotics in Animal Production and Human Health Hazards».

(5) June 6; Dr. A. Kanawati: «Failure to Thrive — Etiology and Prevention in Lebanon».

All are welcome.

Special Programs and Courses

A variety of adult education programs, cultural and credit courses, professional studies and conferences are sponsored by the Division of Extension and Special Programs during this semester (February-June).

The purpose of these programs is to provide opportunities for adults of different interests to continue their professional development and enhance personal growth through further study. Many courses are scheduled in the late afternoon and evening hours. These programs are especially designed to meet the needs of the immediate community.

Other special programs which are of full-time short duration serve the needs for advanced and more specialized study for professional people in the Middle East. Some courses have been organized at the request of individuals or groups of potential participants. Prof. Louis P. Cajoleas, Director of the AUB Division of Extension and Special Programs welcomes suggestions for future courses and programs.

Below is a list of the programs which are offered:

SPECIAL CERTIFICATE PROGRAMS

Essentials of Business Certificate Program

A total of eight courses offered over a period of 2 years: Accounting, Marketing, Finance, Quantitative Methods for Decision Making, Human Re-

sources, Business Economics, Business Policy, Business Conditions.

SPECIAL COURSES

UNIVERSITY ENGLISH: A series of two-semester courses.

BEGINNING ENGLISH: Twelve weeks.

INTERMEDIATE ENGLISH: Twelve weeks.

ADVANCED ENGLISH: Twelve weeks.

BUSINESS ENGLISH FOR CORRESPONDENCE: Twelve weeks. Open only to participants with a good command in English.

COLLOQUIAL ARABIC: Eight weeks.

GERMAN FOR BEGINNERS: Fifteen weeks.

CONVERSATIONAL FRENCH: Fourteen weeks.

INTRODUCTION TO THE CHINESE LANGUAGE: Fifteen weeks.

KAHLIL GIBRAN 1883-1931: Twelve weeks.

TEACHER MADE INSTRUCTIONAL MATERIALS: Open to teachers in Kindergarten, Primary and Elementary schools.

PAINTING: Twelve weeks.

AMERICAN POP MUSIC: Ten weeks.

ARABIC MUSIC: Twelve weeks.

REGULAR UNIVERSITY CREDIT COURSES: Open to auditors and part-time students—graduate and undergraduate.

Meanwhile, the University will be hosting the XXIII Middle East Medical Assembly (May 3-6) and the Middle East Power Conference next June.

Drugs Forbidden by Law and Prohibited on Campus

The American University of Beirut continues to give much attention to the case of drug addicts who were recently arrested by the police, and has discovered that only two of the arrested persons are AUB students.

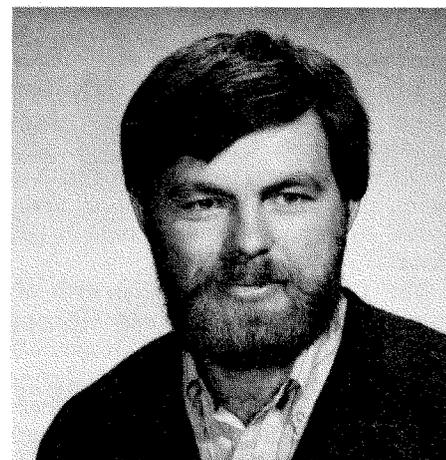
The AUB administration has already informed the press that no AUB professor is among the persons who were charged with hashish smoking.

The President of the American University of Beirut, Dr. Samuel B. Kirkwood has declared that AUB is careful to acquaint students with its rules and regulations, copies of which are furnished to students upon their registration.

In explaining these rules and regulations which support the freedom of students provided such freedom is not contradictory to Lebanese Law, President Kirkwood pointed out that special mention is made of the rule which states that drugs are forbidden by Lebanese Law and are prohibited on campus.

President Kirkwood concluded by confirming that any student who violates the rules and regulations of AUB will be subject to disciplinary action ranging from warning to expulsion, and that the University is taking the necessary steps to meet this problem.

Prof. Paul Starr Joins Department of Sociology and Anthropology



Prof. Paul Starr has joined the University as assistant professor at the Department of Sociology and Anthropology. Prof. Starr received his doctorate in 1972 from the University of California, Santa Barbara, where he also served as Lecturer in Sociology. His dissertation was entitled «Marginality and Status Consistency: A Study of Self and Society in Malaysia.» Prof. Starr's major interest is the study of the relationship between the individual and social change in the Third World.

Mrs. Starr is a graduate student in English Literature at AUB. Prof. and Mrs. Starr have a daughter, Meredith, who is a first-grader at the American Community School (ACS).

Corrigenda

The following regrettable errors were found in the BULLETIN, No. 14, of February 1, 1973:

In the article headed Moslem New Year, on page 3, the figure 23 1/2 (beginning of line 5 of the second paragraph in column 2) should of course read 33 1/2.

In reporting Mrs. Antonina Geystor's lecture on Russian icons (page 4), lines 7 to 14 of paragraph 5 in column 1 should read: «Processional icons being double-sided, their wood had to be thick. Raw yolk of egg was used as a medium for natural dyes. The painter outlined his picture in cinnabar then...»

New US. Social Security Legislation

Social Security legislation which recently received US Presidential approval will raise the tax increases approved last June 30. The earlier measure increased benefits by 20 per cent and provided automatic increases based on rises in the Consumer Price Index.

Under the new bill, Social Security taxes would increase 35 per cent from the present 5.2 per cent each on employers and employees on the first \$9,000 a year of earnings to 5.85 per cent each on the first \$10,800 in 1973, and 5.85 per cent on the first \$12,000 from January 1, 1974 through 1977.

In brief, salaries now taxed at the maximum of \$468 annually for employee and employer would rise to \$631.80 on January 1, 1973 and \$702 on January 1, 1974.

Other provisions of the bill would:

- Raise widow's and widower's benefits from 82.5 per cent of the deceased spouse's entitlement to 100 per cent.

- Reduce waiting period for disability insurance from six months to five.

- Provide a new minimum benefits calculation to permit \$8.50 in benefits per month for each year worked in excess of ten years, in order to provide better retirement benefits for long term, low wage workers.

- Provide for federalization of the welfare system for the aged, blind, and disabled, with a minimum federal payment of \$130 a month to a single person without any other income and \$195 to a couple. Up to \$20 a month in Social Security payments and \$65 in earnings would be disregarded in determining «other income» that would reduce payments. States could supplement basic federal payments but would not be required to, except for recipients already on the rolls.

All of the above became effective January 1, 1973.

Medical Symposium on School Health



Some of the participants.

A post graduate medical symposium on school health was held at the American University Medical Center Jan. 29-Feb. 9. This 12-day symposium was opened by Dr. Craig S. Lichtenwalner, Dean of the AUB Faculties of Medical Sciences, and by Mr. Rashid Koleilat, Deputy Regional Director of UNICEF. Both Dr. Lichtenwalner and Mr. Koleilat stressed the importance of school health, and Mr. Koleilat thanked the AUB Faculty of Medical Sciences for its valuable operational support.

44 doctors and specialists from the AUB schools of Medicine and Public Health, and the departments of Surgery and Pediatrics, together with pro-

fessors from the Faculty of Arts and Sciences lectured at this symposium which was organized by AUB, UNICEF and WHO. 15 UNICEF sponsored participants representing eight Middle Eastern countries also took part.

Participants discussed a large number of medical topics connected with school health, among them: school health problems, the physical environment, organization of school immunization, mental health problems, smoking habits and consequences, skin problems, allergies in the school child, respiratory diseases and tuberculosis, and many other school health topics.

Parking Instructions

The Director of Business Services has circulated the following parking instructions:

Due to occasional overcrowding of certain campus parking areas, the «PERIPHERAL» parking lot, located south west of Fisk Hall, has been designated as an unrestricted parking area.

Holders of valid parking permits (stickers) unable to find a vacant parking place in the area assigned by their permit, may park their vehicle in the

«PERIPHERAL» lot without incurring a violation.

The «PERIPHERAL» parking lot is accessible via the Peripheral Gate or via the passage between Jessup and Fisk Hall.

In the interest of reducing traffic on campus, motorists are asked to use the Peripheral Gate access only if they intend to park in the «PERIPHERAL» or the «Bliss» (white sticker) parking lots.

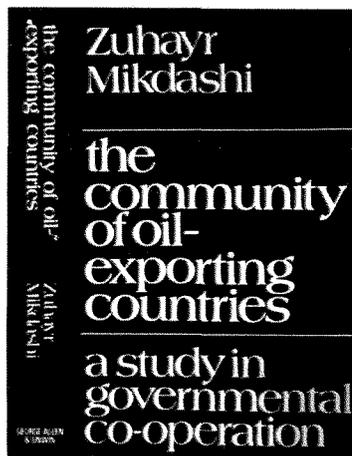
Your cooperation is most appreciated.

AUB In The Press

Fourth Science Meeting

An-Nahar has reported that the 143 papers submitted to the Fourth Science Meeting were last month published in book form, in three languages, by the Lebanese Association for the Advancement of Science. 127 AUB professors participated in this meeting which the above Association organized last December at the UNESCO Palace in Beirut.

New Book by Prof. Z. Mikdashi



The weekly supplement of *An-Nahar* has devoted one page to review a recent book by Prof. Zuhayr Mikdashi of the Department of Business Administration, entitled: «The Community of Oil-Exporting Countries — A Study in Governmental Co-operation.»

That They May Have Life

Al-Jami'a (the University) monthly devoted recently its front cover to 3 pictures of AUB, and the first seven inside pages to an article, with more pictures headed: AUB—Bridge between East and West. The Story of Struggle so «That they may have life and have it more abundantly.»

Cornea Transplants

The weekly *Middle East Sketch* has published an article on cornea transplants at AUH.

The Late Lawrence Marshall



In reporting the death, late in November, of Lawrence Marshall at the age of 68, *The New York Times*, New York, N.Y., mentioned that he retired in 1969 as vice chairman of the board of directors of the Chase Manhattan Bank, and that he had been treasurer of the American University of Beirut.

Study Program Report

Early last month, the English language weekly *Monday Morning* and *Al-Anwar* weekly supplement devoted much space to the subject of AUB's financial difficulties. The future of the University, the recommendations of the Study Program Committee and how the University is trying to reduce expenses, and the coming Trustees meeting in New York next month were included in questions which President Samuel B. Kirkwood answered. Declarations made by Deans S.P. Swenson, E.T. Prothro and R.S. Ghosn were also reproduced by these two weeklies.

President Kirkwood was quoted as saying: «I am optimistic provided there is cooperation among the various groups concerned with the University.»

Architect Bisharat

The *Stamford Advocate*, Stamford, Conn., and *The New Haven Register*, New Haven, Conn, have published long stories on Mr. Victor Bisharat, the well-known architect, mentioning that he attended the American University of Beirut, Lebanon.

Marine Ecology

The Times Record, Troy, N.Y. which reported that Dr. Carl J.W. George, a specialist in marine biology and ecology was to give a lecture on Nature Conservancy, mentioned that in addition to his teaching in California and at the American University of Beirut, he had done extensive research on marine ecology of the Eastern Mediterranean.

Dr. J. Seelye Bixler



In a report devoted mainly to Dr. J. Seelye Bixler, president of Colby College from 1942 until 1960, the Waterville, Maine, *Sentinel* described him as a leader in American higher education and a distinguished scholar, and mentioned that he had been a visiting professor at several universities, among them the American University of Beirut.

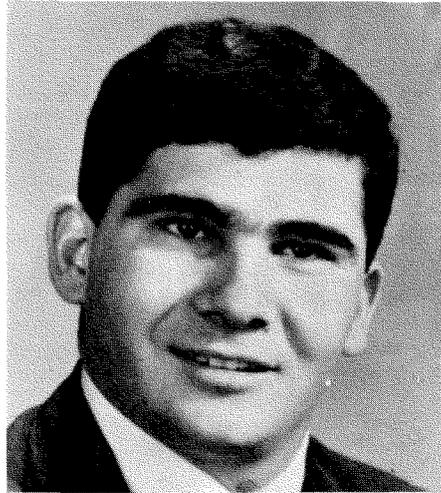
Bahrainis

The Guardian, London, recently published an interview with Mr. Yousuf Shirawi, Bahrain's Minister of Development and Engineering Services, who reviewed Bahrain's economic plans. On the question of manpower, the paper referred to Bahrainis who had received training in Britain, or the American universities in Cairo and Beirut.

Radiologist Goes To Gaziantep

Mr. Samir Franji of the AUH Department of Radiology recently spent four days at the American Mission Hospital in Gaziantep, southern Turkey, where he demonstrated to four of their personnel the proper use of their X-ray equipment.

Mr. Franji has declared that the request to send him to Gaziantep was made by the American Mission Hospital to Dr. R. Melhem, Chairman of the AUH Department of Radiology. AUH has also been requested by Turkish doctors of the American Mission Hospital to send Mr. Franji to organize a 3-week seminar on radiology technique next June.



National Council for Scientific Research Signs Two Contracts With AUB

(cont'd from p. 1)

this country and whether the same vectors transmit plant viruses here, or other vectors are responsible for their transmission locally.

Dr. Mustapha Sufi, scientific advisor to the National Council for Scientific Research has explained that as a result of these research projects it will be possible to design pest and disease control programs, including viruses, and consequently contribute towards the development of the country's agricultural sector. Dr. Sufi has announced that research work on this project will start next July and will be under the supervision of Prof. Abdul Mon'im S. Talhouk, Professor of Applied Entomology at the AUB Faculty of Agricultural Sciences. The cost of the project amounts to LL7,700 annually over a period of around five years.

Survey and Control of the Pollution of Cow's Milk with Leukocytes, Bacterial Pathogens and Antibiotics in Lebanon

The aim of this research project is a general survey to determine the extent of the spread of mammary inflammation or mastitis in cows in Lebanon, especially as this disease, in its various forms, becomes an important source of economic drain on milk production and should be the subject of an adequately conducted prevention program.

In cows suffering from mastitis the rate of milk pollution with pus cells, necrotized tissue debris and bacterial pathogens increases significantly. Furthermore, dairy producers struggling

with mastitis in their herds resort to the use of massive amounts of antibiotics and bacteriostatic drugs for systemic and/or local treatments which often fall short of satisfactory results and contribute to food pollution with medicines.

Research work on this project started on January 1, 1973 under the supervision of Dr. Joseph A. Asmar, Professor of Veterinary Medicine at the AUB Faculty of Agricultural Sciences. The cost of this project amounts to LL38,115 annually over a period of three years.

Both Professors Abdul Mon'im Talhouk and Joseph Asmar have praised the efforts of the National Council for Scientific Research under the supervision of its Secretary General, Dr. Joseph Naffa', pointing out that such scientific research will help crops and animal production and will assist farmers to meet agricultural problems and consequently lead to the development of the country's agricultural sector.

On the other hand, Dr. Joseph Naffa', Secretary General of the Lebanese Council for Scientific Research has declared that this Council is currently making the necessary preparations to implement the integrated national program for the sciences of the environment in cooperation with the Ford Foundation. The aim of this program is to carry out a survey to determine if the Lebanese environment—air, soil, fresh and sea-water—is unacceptably polluted, and if so the causes leading to such pollution.

Bechtel Nurse Exchange Program



Miss Carmen Fuchs (left) and Miss Karen Chmielecki.

The Bechtel Nurse Exchange Program between AUH and Samuel Merritt Hospital of Oakland California, started last month. Two AUH nurses, Miss S. Mouradian and Miss S. Melhem have just left for California, and two nurses from Samuel Merritt Hospital have arrived at AUH. They are Miss Carmen Fuchs and Miss Karen Chmielecki.

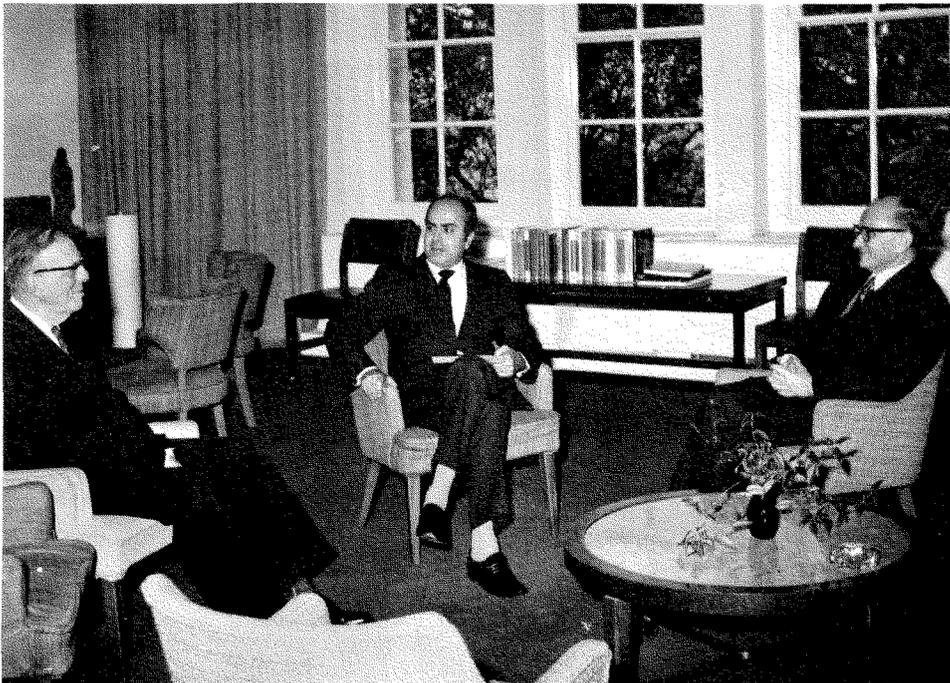
The program, sponsored by the Lakeside Foundation, provides for an initial period of three years, each exchange being of one calendar year.

The nurses on the exchange program will receive individualized orientation and on the job training with rotation around several clinical areas.

The Samuel Merritt Hospital is a 365 bed non profit tax exempt hospital, and nurse exchange with it promises to be fruitful.

The aim of this program is to promote an inter exchange of professional nurses which will develop international understanding, respect and mutual awareness of different nursing methods and health care systems, all in a framework of significant clinical and educational experience.

Pharmacy Alumni Give Scholarship To AUB



L. to r.: President Kirkwood, Mr. Gedeon, Vice-President Hakim.

The President of the Pharmacy Alumni Chapter at the American University of Beirut, Mr. Adib E. Gedeon presented to AUB President, Dr. Samuel B. Kirkwood this month a check for LL4,000 for financial assistance to a needy student in the AUB School of Pharmacy.

Speaking for the Alumni group Mr. Gedeon noted that this was a first step in the fund-raising plans of the Chapter. In the next twelve months each graduate will be asked to make a personal contribution to support the program of the School of Pharmacy, he said.

President Kirkwood expressed his appreciation to graduates of the School of Pharmacy and explained that gifts from the Middle East will be matched under the terms of the Rockefeller Foundation matching grant and in most cases individual gifts will be matched again under a grant from an anonymous donor.

In cooperation with the Alumni Chapter, Pharmaceutical firms in the Middle East are also being asked to support the AUB training program which has prepared well qualified Pharmacists for work in the region since 1871.

Dean E. T. Prothro on Recruiting Trip to USA



Dean Edwin Terry Prothro left February 7 for the United States on a recruiting trip of approximately three weeks duration. While in America his headquarters will be at AUB's New York office, but he will travel extensively. In Columbus, Ohio, he will meet with officials of the Great Lakes Colleges Association to discuss their Junior Year Abroad program. In Baton Rouge, Louisiana, he will arrange the publication of an illustrated magazine article on AUB. He will also visit social scientists at Harvard, Rice and North Carolina, to discuss his current research work on the changing Arab family.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....

AUB BULLETIN

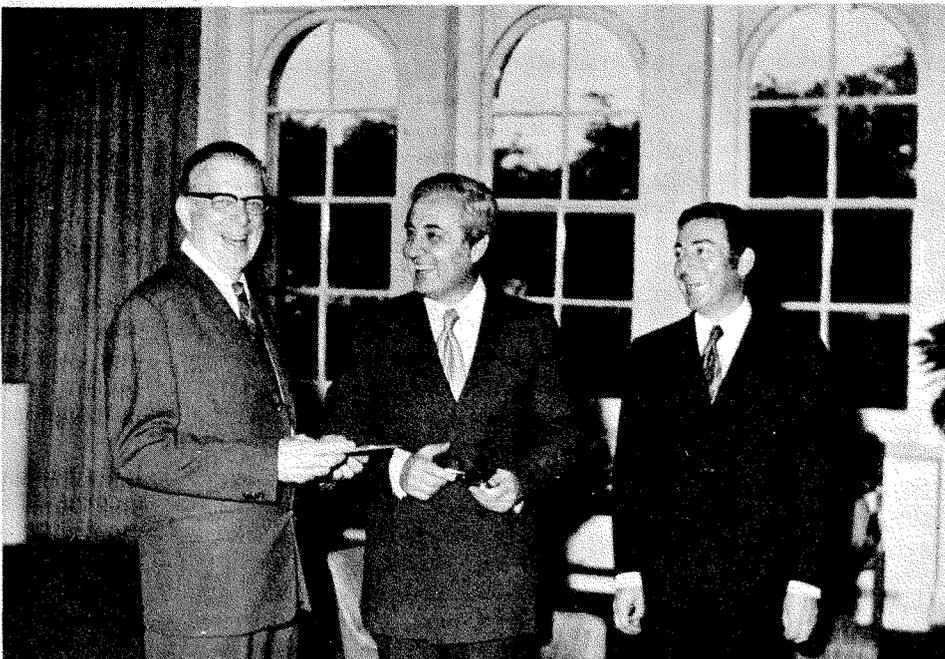


VOLUME XVI, No. 16

AMERICAN UNIVERSITY OF BEIRUT, MARCH 1, 1973

THURSDAY, MARCH 1, 1973

Gift Received from The Charles E. Merrill Trust



President Kirkwood with Messrs. Bitar and Asfour.

President Samuel B. Kirkwood has announced that the University received recently a gift of around LL 75,000 from The Charles E. Merrill Trust. The presentation of the contribution was made by Mr. Assaf E. Bitar, Vice President in Beirut of Merrill Lynch, Pierce, Fenner and Smith International and Mr. Antoine N. Asfour, Account Executive of Merrill Lynch. The Merrill Trust was established for charitable purposes under the will of Charles E. Merrill, the founder of the firm now known as Merrill Lynch, Pierce, Fenner & Smith Incorporated. The Merrill Lynch organization is a major brokerage firm with offices around the world engaged in the trading of stocks and bonds.

In presenting the gift Mr. Bitar expressed on behalf of The Merrill Trust

his appreciation for the long service of the American University of Beirut in the interests of the people of the Middle East. «There are few people in the region,» he said, «who have not directly or indirectly benefited from AUB's pioneering endeavors in the development of educational and health services.» «The Merrill Trust,» he added, «is pleased to play a small part in the continued development of these services during AUB's second century.»

The gift from The Charles E. Merrill Trust will be used to finance renovation of Bliss Hall in preparation of the use of this building by the Department of Mathematics, the Departments of Arabic and History and the Mass Communications program.

Dollar Devaluation Increases AUB Deficit

Sources of the American University of Beirut have announced that the budget of the University is badly affected by the devaluation of the Dollar. A preliminary analysis of the effect of the recent dollar evaluation upon the finances of the University has been completed. The short-term effects are now clear, although the long range impact cannot be accurately determined.

This analysis shows that as a result of the devaluation the projected deficit for the fiscal year ending June 30th amounts to \$333,000. Just before the devaluation, the deficit was estimated at \$117,000.

AUB sources have explained that it is very clear that for the immediate future, the expenses of the University will rise markedly. As the University buys pounds with dollars, it will receive fewer pounds for the same amount of dollars. In other words, University expenditure has now increased sharply. This means that salaries paid in pounds, or equipment and supplies purchased in pounds, will cost the University more than was budgeted a year ago.

Furthermore, careful consideration has been given to ways and means by which this situation can be met. It is obvious that firm measures must be taken to prevent a sizeable deficit in the next few months. Therefore, effective immediately and until further notice, all vacant positions will be left unfilled and instructions have been issued to freeze the purchase of furniture and equipment.

This action is hopefully only a temporary measure, until a more thorough assessment of the situation can be made. It is being taken with the full realization that it will cause inconvenience in various parts of the University. It

(cont'd on p. 3)

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

FRIDAY, March 2

— PIANO CONCERT (Four hands)
Madeleine Medawar and Nora Roumian, Assembly Hall — AUB
8:30 p.m. Tickets: LL10, 7, 5 and 3.

SATURDAY, March 3

— BIOLOGY STUDENT SOCIETY
— PARTY, Mary Dodge Hall,
6:30-12:00 p.m.

Organ Concert
by

Prof. SALVADOR ARNITA
Sunday, March 4, 1973 at 8:30 p.m.
Assembly Hall

Program: Works by Vivaldi, Corelli, Bach, Reger, Liszt, and improvisations on themes submitted by the audience. Tickets at LL 5 — 3 — 2.

West Hall Office and Khayat Library
(Bliss St.)

Net proceeds to Fine and Performing Arts Student Scholarship Fund.

MONDAY, March 5

— VOCAL RECITAL BY LINA ROSALES — Soprano; GESUS RONNO — Piano, Assembly Hall — AUB, 8:30 p.m. *Entrance Free.*

WEDNESDAY, March 7

— LECTURE BY DR. ADNAN MROUEH (Science for the Public Series): «Population Growth and Contraception,» West Hall — Auditorium, 8:00 p.m.

University Choir

Members of the Faculty and Community who are interested in Choral singing are cordially invited to join the AUB Choir.

Rehearsals: Mondays and Thursdays
Female voices at 6:00 p.m.
Male voices 7:00 p.m.
Nicely Hall Room 108.

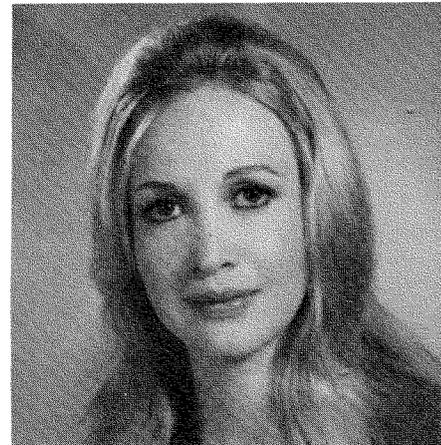
Etchings and Engravings Exhibition

Miss Magda Mabruk is presenting her etchings and engravings for the first time at Gallery Underground, beginning March 1, 1973.

Born in Tripoli, Libya, Miss Mabruk graduated from AUB with an M.A. in Fine Arts in 1970. Since 1963, she has participated in several group shows in Beirut, Istanbul and Tripoli, Libya. In Beirut her oil paintings were exhibited at the Central Jafet Memorial Library in 1963, the International College (IC) Open-Air Exhibition in 1968, and the University Christian Center (UCC) in 1969.

Over the past two years Miss Mabruk's artistic activity has gradually shifted from oil painting to engraving and printmaking. She is currently attending the «Atelier de Gravure» at the Institute of Fine Arts, Lebanese University (INBA) and working with Prof. Halim Jurdak.

Prof. Jurdak has described Miss Magda Mabruk as a born graphist,



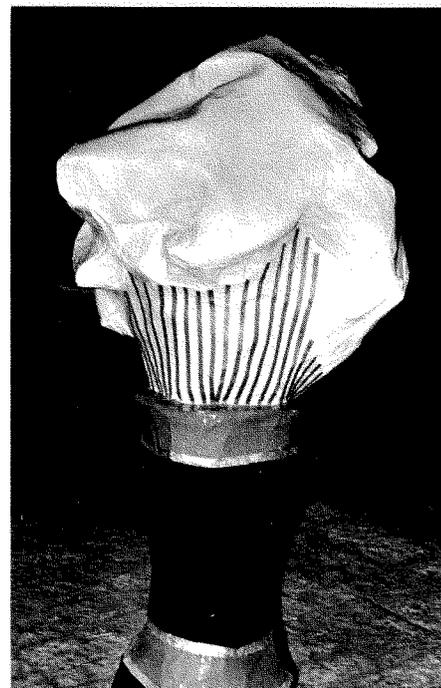
Miss Magda Mabruk.

saying she perceives the world in terms of lines, dots and patches.

The exhibition will be open daily from 4-9 p.m. March 2-10. Gallery Underground is part of the University Christian Center, behind the Orly Cinema on Rue Makhoul.

Art Students Work Exhibited

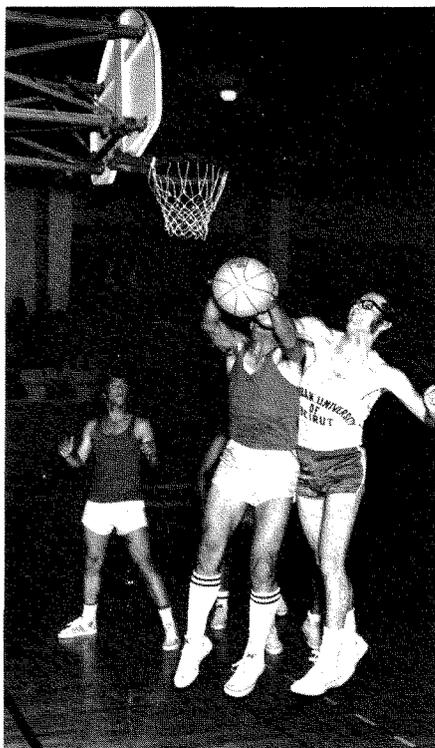
The Department of Fine and Performing Arts presents an exhibition of student work in several art media during the period from February 19 to March 16. Examples of printmaking and ceramics are on display in the basement gallery of Jafet Library, and several large papier maché sculptures are on exhibit in the courtyard between the library and College Hall. All of the work displayed is by students in introductory classes, and in some cases represent first attempts at art. The ceramics are generally small, glazed pots. Some have been thrown on the potters' wheel. Others are made of coils or slabs of clay, formed by the artists' fingers. The prints in the show represent all basic print media: lithography, relief (woodcut), stencil (silk-screen), and intaglio (etching and engraving). The several large pieces of sculpture in the fore court are from one of the projects in the first year sculpture class. They are all of papier maché built on frames made of chicken wire and represent larger-than-life mundane objects such as clocks, watermelons, and shaving brushes. The exhibition of the sculpture in a public space enables members of the University community to mingle with the objects as they walk



Shaving brush — 6 ft. high.

about the campus. They serve to change the outdoor environment for a short period in a striking and humorous manner. Faculty involved in this exhibition are Miss Nuha al-Radi, Prof. Gordon Olsen, and Prof. Peter Harrison Smith.

Basketball AUB vs Cyprus



AUB won 59-42 while a big group of our Greek students cheered the visitors all through and created a good atmosphere. The Cyprian team, however, did not have three of its good players and the game against them in Cyprus is expected to be an uphill job. The visitors were invited to a tea party in Dodge Hall before the match, but they could not show up as their players lost their way in town. Luckily they were all there at the game 30 minutes before time. Our top scorer was Roy Horn 19 points; theirs was Dimitriou 17 points.

Merrill Trust Gift

(cont'd from p. 1)

is recognized that certain positions as they become vacant, will have to be filled. When Deans or Department heads believe this to be the case, a request to the Budget Review Committee may be made for consideration. Such requests should be in writing, fully documented, and addressed to the Secretary of the Budget Review Committee (attention Mr. Samir Tou-bassy).

Prof. K. C. Berger Joins Faculty of Agricultural Sciences

Prof. Kermit Carl Berger (b. 1910) is joining the Faculty of Agricultural Sciences as professor of soils. Prof. Berger comes from Iowa. He is married, and has three children, one boy and two girls. He obtained his B.S. in 1937 and Ph.D. in 1941 from the University of Wisconsin. Between 1949 and 1965, he was professor of soils at the same university. Since 1965, Prof. Berger has occupied the post of Vice President — Marketing — of Terra Chemicals International, Inc. which he helped found. His research interests are in Boron, as applied to soils and plants and the fertilization of canning and truck crops. He is author and co-author of 52 scientific papers, and holds the following academic honors:

Member — American Society of Agronomy

Member and Fellow — American Association for the Advancement of



Prof. Kermit Carl Berger.

Science

Fellow — Sigma XI

Fellow — Phi Sigma

Student Council Combats Drugs

The President of the Student Council, Muhammad Dajani-Dawudi has issued the following statement addressed to AUB students:

«Recent newspaper accounts reveal that three AUB students have been apprehended by the police and accused of involvement with drugs. As a consequence a round of gossip and rumor is being spread—that AUB is a center of drug usage and drug peddling. We, the members of the Student Council, feel that we speak for the vast majority of AUB students when we state our clear opposition to the drug cult, whether it is promulgated by rumor

or fact.»

«The Student Council wishes to impress upon each and every student the importance of considering the invasion of drug usage on or off campus as most undesirable. The Student Council declares further its determination to take positive steps in preventing the use of drugs among AUB students.»

This follows the declaration made last month by President Samuel B. Kirkwood who reminded the community that drugs are forbidden by law and prohibited on campus (The BULLETIN, No. 15, Feb. 22nd, page 4).

Faculty Football Team

On Sat. Feb. 24, the Faculty Football Team defeated the Pharmacy Team, 6-0.

The next friendly games will be on:

1. Saturday, March 3 at 1:30 p.m. between Faculty and Medical Sciences, and on

2. Thursday, March 15 at 3 p.m., Faculty vs Freshmen.

Players and supporters are needed. Any one interested is requested to call the coordinator, Prof. B.A. Greene, Ext. 2771 or leave a message for him at Ext. 2713.

Symphonic Band Concerts

The AUB Symphonic Band under the direction of Mr. Allen Hovey is giving two concerts on Friday, March 9, 8:00 pm, and on Saturday, March 10, 5:00 pm (matinée) at the Assembly Hall.

Tickets : LL 1 and 2. Net proceeds to Fine and Performing Arts Student Scholarship Fund.

Michel A. Saad Scholarship



Mr. Michel A. Saad.

President Samuel B. Kirkwood has received a check for LL 4,000 from Mr. Michel A. Saad (B.A. Engineering '38) to set up a scholarship for a needy civil engineering student of Lebanese nationality to be given over a four-year period — LL 1,000 per year.

In acknowledging this contribution from Mr. Saad, which will be administered as the Michel A. Saad scholarship, President Kirkwood pointed out that it is being matched under the terms of a special grant from an anonymous donor and again under a special grant from the Rockefeller Foundation.

Book by Dr. M. Fadil Jamali

«Towards the Unification of Educational Thought in the Islamic World,» the latest book by Dr. Mohammad Fadil Jamali was recently presented to the AUB Library by the author who graduated from AUB in 1927 and obtained his Ph.D. from Columbia University in 1932.

Dr. Jamali has been Professor of the Philosophy of Education at the University of Tunis since 1962.

In his book, above, he discussed Islam today, the philosophy of Koranic education, Islamic ethics, Islam and the demands of modern times and the future of education.

Dr. Jamali occupied various distinguished Government posts in Iraq. He was Foreign Affairs Minister eight times and was twice elected speaker of the Iraqi Parliament. He was appointed Prime Minister twice, and also participated in the San Francisco Conference and signed the UN Charter in the name of Iraq.

Faculty of Engineering and Architecture Serves Region



The building donated by the Bechtel Corporation of San Francisco, Calif., to house the Faculty of Engineering and Architecture.

In its last annual report, the AUB Faculty of Engineering and Architecture relates its programs to the needs of the region.

In order to arrive at an appreciation of these programs, their strength and weaknesses, the chairmen of the academic departments drew up questionnaires addressed to government planning authorities, graduates of the faculty and employers of engineers and architects. The questionnaires also sought to estimate the growth of the need for engineers and architects.

Three out of every four graduates of the faculty believe that their undergraduate preparation is superior to that of other architects or engineers with whom they are in contact or in competition. The same survey shows that 13 out of 15 employers give a high rating to AUB engineering education. On the other hand AUB graduates do extremely well in graduate schools in the US and Europe. A recurring request is for the faculty to send more like them.

There are schools of engineering and architecture in all the larger Arab countries. Several of these schools look to the AUB Faculty of Engineering and Architecture for stimulation and repeatedly pay it the compliment of following its improvements. Compared with theirs, the faculty's numerical contribution to the profession has been small—its contribution in quality, responsibility and initiative, however, has been outstanding.

Throughout most of the region

served by AUB, the need is for this faculty to provide the professional leaders to plan, design and build the infrastructure of civil works, transportation facilities, communication, and power that is absolutely necessary to make development possible. In view of the present and future development of this area, education at the undergraduate level alone is no longer sufficient, and the master's degree level has become imperative.

Development without design and planning of the environment is catastrophic for the quality of human life. The Middle East is going through a sudden jump in income and consequently in development which, if not accompanied by a parallel effort in physical planning, will lead to the deterioration of the environment in which its people live. Hence the desperate need for qualified planners.

The US faced a similar problem 25 years ago. Even today, after the founding of numerous centers of planning education all across USA, the demand for planners still exceeds the supply by thousands.

To meet this demand the Department of Architecture introduced last spring a program leading to a Master's Degree in Urban Planning and Urban Design. These two interdisciplinary new programs which will incorporate the core courses in Economics and existing courses in Sociology will lead to a degree in Urban Planning (Major Sociology) and a degree in Urban Planning (Major Economics).

Prof. F. Hanania Returns From Leave



Prof. F. Hanania.

Prof. Farid Hanania of the Department of Political Studies and Public Administration and former Dean of the Faculty of Arts and Sciences has recently returned from leave of absence. Prof. Hanania spent the first semester doing research in his field of specialization in International Law at the School of Advanced Legal Studies, London.

Mrs. Hanania and their son Anthony will be returning late next month.

Women's Association Offers Refreshments

The AUB Women's Association organized during Exam Week early last month three Student and Faculty teas at the Faculty of Engineering and Architecture, the Faculty Lounge (Ada Dodge Hall) and the Outside Science Lecture Hall (Agriculture).

Sandwiches and cookies were offered by staff and faculty wives, and the cafeteria offered the tea and donated the paper napkins.

Prof. G. H. Abi-Rached Elected President of Chapter

Prof. George H. Abi-Rached, associate professor (part time) of Mechanical Engineering at the AUB Faculty of Engineering and Architecture has been unanimously elected President of the Chapter of Mechanical and Electrical Engineers. This Chapter is formed as an organization within the Order of Engineers and Architects of Beirut with the main aim of bringing together colleagues of the same specialization.

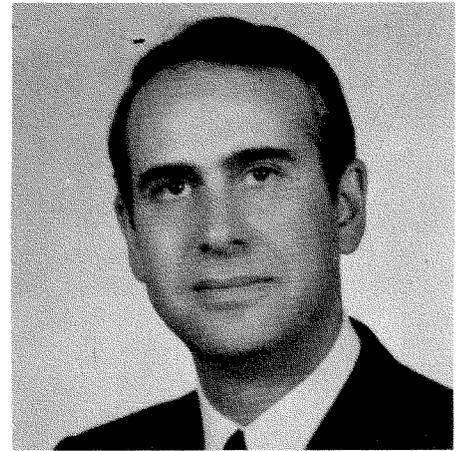
Prof. H. Nashshabi Lectures on "Islam in the Modern Period"

Prof. Hisham Nashshabi is giving a 3 credit course as part-time lecturer in the Department of Religious Studies during the 2nd semester. His course entitled «Islam in the Modern Period» has special significance for both Arab and non-Arab students alike.

Prof. Nashshabi obtained his B.A. and M.A. in Political Science from AUB in 1951 and 1953. For further studies, he joined the Islamic Research Institute of the University of McGill, Canada, and received his second M.A. degree in Islamic Studies in 1955, and his Ph.D. also in Islamic Studies in 1958.

Prof. Nashshabi has devoted himself to social and educational work. He has accepted the responsibility of becoming Director General of Al-Maqasid al-Islamia Association which runs 21 schools and colleges in Beirut. Thanks to his tremendous efforts and extraordinary ability in the educational field, all the colleges and schools of Al-Maqasid enjoy a high standard both administratively and educationally.

Dr. Nashshabi's main research and scholarly interest lies in Islamic education, history of educational institutions in the Muslim World from the earliest period down to modern times and in modern Islamic movements and trends especially in the Arab World. He



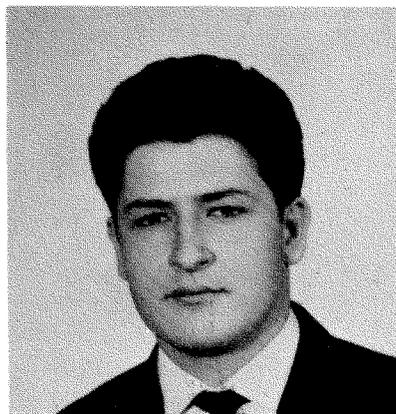
Prof. H. Nashshabi.

has published two books and numerous articles in scholarly journals. He is also part-time Professor of Arab and Lebanese History at the Lebanese University.

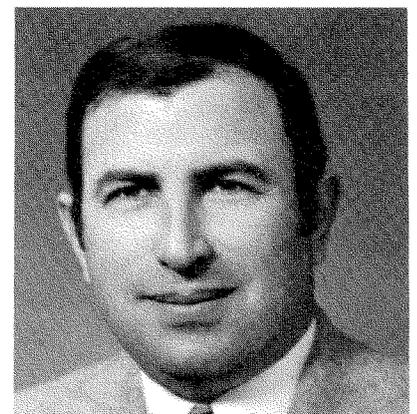
Prof. Nashshabi enjoys a distinguished place in Lebanese Society. He has been representing Lebanon as member of the Lebanese delegation to the General Assembly of UNESCO for the past 6 years. His valuable contribution to the educational and social life of Lebanon is highly appreciated.

Prof. Nashshabi was the guest speaker at the AUB 1971 Founders' Day.

Tragic Death of Two Alumni



The late Aref F. Farra.



The late Maurice J. Salem.

The AUB community learned with deep regret and sorrow of the tragic death of two AUB alumni Maurice Jirji Salem (B.E. 58) and Aref Fuad Farra (B.B.A. 66, M.B.A. 69), who were among the passengers killed when the Boeing 727 of the Libyan Airlines was shot down last week by Israeli fighter planes over Sinai. Both graduates, one civil engineer and the other a business man, were successful in their respective fields throughout the region. Burials took place in Amiyoun—Koura and in Beirut this week, and the University community expressed its condolences to the bereaved families.

AUB In The Press

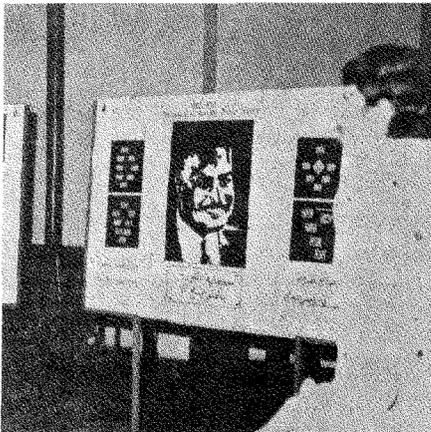
Prof. of English Lectures in Arabic

Prof. Suheil Bushrui's lecture on Ezra Pound early last month was covered by the local press. The lecture given in Arabic at Dar-el-Fan was reviewed by the French language weekly *La Revue du Liban* which praised Prof. Bushrui's literary Arabic.

Tattooing

Recently, the supplement of *L'Orient-Le Jour* devoted four pages to an article by Prof. John Carswell of AUB, headed: Christian Tattooing in the Holy Land.

Abdul Nasser Exhibition



The Abdul Nasser exhibition which the AUB Arts and Sciences Student Society opened last month at West Hall was reported in the local press.

A Study of Agricultural Loans

An-Nahar Supplement devoted one page last month to report that the Ministry of Agriculture has received from the AUB Faculty of Agricultural Sciences a study pertaining to agricultural loans.

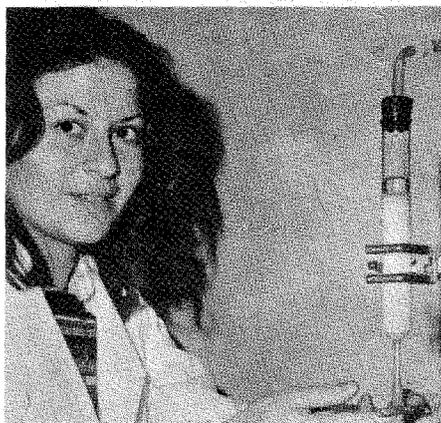
The paper pointed out that Prof. Thomas Stickley, together with a number of students, took two years to prepare the 58 page study, including charts.

452 Children Entertained



An-Nahar has reported that at the invitation of the AUB Civic Welfare League, 20 men and women students of the University spent a Sunday recently in Souk-el-Gharb with 452 children at the «Dar Is'ad At-Tuffula» (Make the Children Happy) home which is supervised by the Palestinian Arab Women Federation.

Women Biologists



A long report describing the work of four women students at the AUB Department of Biology appeared last month in *Al-Anwar* Supplement. The report was headed: Our young women enter the age of modern technology.

Former Consultant Dies

The Boston Globe reported last November the death of Louis C. Zahner at the age of 79. He was head of the English department at Groton for many years and lectured at the Harvard University School of Education and the Breadloaf School of English at Middlebury College in Vermont. The paper mentioned that after his retirement in 1959, he became a consultant at the University of Illinois and the American University of Beirut.

“University Medicine In the Near East”

Surgery, St. Louis, Mo., has devoted ten pages to a study by Timothy S. Harrison, M.D., of the Department of Surgery, the University of Michigan Medical Center, Ann Arbor, Mich.

The study, entitled «University medicine in the Near East, 1971: A three-year perspective,» said that for 104 years AUB has maintained a continuously active medical school. It explained that the following problems are faced by AUB and the region: insufficient numbers of doctors in the countries of the region; emigration of physicians in training because of inescapable demands for specialty certification not available at home; weak support of specialty care in the region to encourage their return; a dearth of local medical leadership sensitive to the academic and professional vigor arising from medical research; and poverty of educational attitudes well suited for critical scientific thinking. The study pointed out that university medicine of the entire region shares these difficulties, that a review seems wise because there is still an important role for American identity and support of health education in this part of the world, and that potential for medical specialty care is emerging and the medical schools and health care officials of the region have an opportunity to encourage it.

Seven Blind Students

The University currently has seven blind students who are admitted as regular students, but must find their own readers. Work scholarships are given to three undergraduates for the purpose of reading for the blind, but this arrangement is not always sufficient. To supplement this, the Acting Dean of Women, Mrs. H. Musa, asked the AUB Women's Association for help, and a group of volunteers has been formed. While most of the 18 volunteers are faculty wives, four are from outside the AUB community and two — Miss Samia Maalouf and Miss Dalal Dagher — are AUB secretaries. The students, two women and five men, are presently enrolled at all levels, from Freshman to Graduate.

In a statement to the BULLETIN, one volunteer said that a close relationship grows between the student and reader since reading cannot be impersonal. Another volunteer who enjoys reading, noted that she herself is benefiting from the readings.

Emile Sahlieh, a graduate student in Political Studies and Public Administration was asked to give his opinion about AUB and its blind students. According to him, professors should treat blind students as they would treat all their other students. He feels it is wrong to exempt those students who are blind from readings assigned to the rest of the class — since such action would, in the long run, only hinder and not help them. One of the readers mentioned that one area in which professors could be of help was in the matter of presenting blind students with their assignments ahead of time.

There is at present one volunteer who is doing the taping only at home. This type of service is going to be increasingly in demand as plans progress for the formation of a library of tapes. The Canadian Women's Club has become interested in this project through one of our readers. The American Women's Club is already involved in a similar project. Their recordings are available to AUB students, and they have been kind enough to lend a recorder to two AUB ladies who will read at home. Persons interested in helping with this effort, whether by reading or by donating equipment, please contact Mrs. Musa (AUB 2202) or Mrs. Ward (346249).

Co-Educational Sports Stepped Up



The AUB (auxiliary) gymnasium, located in the northern corner of the Green Field, has been in use since Dec. 1971. Known previously as the Engineering Alumni Hall, it houses a basketball court which can be converted to one for volleyball. In a declaration to the BULLETIN, Mr. Abdus-Sattar Tarabulsi, Director of Athletics revealed that a new gymnasium is planned, and a site has already been earmarked for it—the present dressing rooms. The new gymnasium will occupy part of the training field and the area around it, and will house facilities for gymnastics, boxing, trampuline, judo, tennis walls and a squash court.

Mr. Tarabulsi said that the auxiliary gymnasium is used every night for intramural basket and volleyball training and games which will continue until May. Attention then will be concentrated on outdoor games, and on football championships and the field-days which will be in their final stages. Mr. Tarabulsi explained that two field-days are being planned:

— The 79th Annual Field Day in mid-May.

— The Invitational Field Day—at the end of May—in which sister schools like International College (IC), the American Community School (ACS), Aley, Souk-el-Gharb, Broumana, and Showeifat, to mention a few, as well as AUB will participate.

Mr. Tarabulsi went on to say that full use is also being made of the ACS gymnasium four nights a week (Monday—Thursday) from 6:00-9:30 p.m. by men and women Varsity teams who are preparing for their spring trip, during the spring vacation, to either Greece or Cyprus where they will play football (men), basketball, volleyball, tennis and archery (both men and women).

Co-educational sports, Mr. Tarabulsi added, have been stepped up enormously within the past two years. They started with the formation of classes for the training of good women athletes. After participating for six weeks in their chosen sport, teams were formed along the same lines as those of the men teams. The two women Varsity teams (Basket and Volleyball) played over 20 games in 1972, and last spring vacation they went to Cairo to play against AUC and did very well, then in turn hosted AUC.

Mr. Tarabulsi continued to explain that intramural sports and mixed teams (3 men and 3 women) in both basket and volleyball have also been introduced and inter-society games encouraged. One such tournament was organized by the Mathematics Society which is planning a co-educational mixed tournament for the spring.

An all Engineering day was organized during the past semester, and two new football teams—Faculty and Syndicate—were formed.

Grant From the Josiah Macy, Jr. Foundation



Dr. Toufic Ramadan from Bahrein (fellow) preparing the medications, a patient, Dr. Majd-Ariss, Department of Pediatrics and Dr. Tamerate Retta from Ethiopia (fellow in Social and Preventive Pediatrics). The picture is taken at the family Health Center, AUH.

The Josiah Macy, Jr. Foundation in the US has announced a grant of around LL 300,000 to AUB payable at the rate of LL 100,000 a year for three years beginning July 1, 1973. The funds have been awarded to continue the regional training program in social and preventive pediatrics at the AUB Medical Center under the direction of Dr. Samir S. Najjar, Chairman of the Department of Pediatrics.

The Department of Pediatrics at the American University Medical Center operates a post doctoral training program in social and preventive pediatrics. Since its inception in 1969, this program has been supported by the Josiah Macy, Jr. Foundation. The program allows trainees to familiarize themselves with inpatient care of sick

children in a university training in rural and semirural hospitals and health centers which emphasize not only the curative aspect of pediatrics but child health as related to the family, the community and preventive and rehabilitative care.

The program also allows for interested trainees the possibility of joining courses of study at the school of public health for the attainment of the MPH degree.

The program has so far offered fellowships to eight physicians from Lebanon, Syria, Jordan, Ethiopia, Bahrain and Egypt. With the renewal of the grant, four fellowships will be offered every year for the next three years.

THE BASIC ASPECTS OF THE GLAUCOMAS

ADNAN H. HALASA, M.S., M.D.

Associate Professor of Ophthalmology
Chief of the Glaucoma Service, Department of Ophthalmology
The American University of Beirut, Beirut, Lebanon
Visiting Associate Professor of Ophthalmology
Acting Chief of the Glaucoma Service
Department of Ophthalmology
The University of Iowa, Iowa City, Iowa

With a Foreword by

F. C. Blodi, M.D.
Professor and Head
Department of Ophthalmology
The University of Iowa, Iowa City, Iowa

This text should prove to be an invaluable reference to the student and practitioner of ophthalmology.



CHARLES C THOMAS • PUBLISHER • SPRINGFIELD • ILLINOIS

A book, *BASIC ASPECTS OF THE GLAUCOMAS* written by Dr. Adnan Halasa, Associate Professor of Ophthalmology at the AUH has just been published in the United States by Charles Thomas and Co.

The book has received favorable reviews in the scientific world, one author called it «a valuable reference to the student and practitioner of ophthalmology.» The book is intended for those in post-doctoral training and for the practitioners of ophthalmology.

However, there are many sections in the book which are of interest to the pediatrician, genetist and internist.

The foreword to the book was written by Dr. F. C. Blodi, Prof. and Head of the department of ophthalmology at the University of Iowa. In his foreword Dr. Blodi hopes that this book will further cement the friendship that has developed between the department of ophthalmology at the AUB and that at the University of Iowa.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

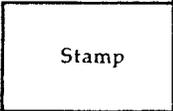
Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :



.....
.....
.....
.....
.....

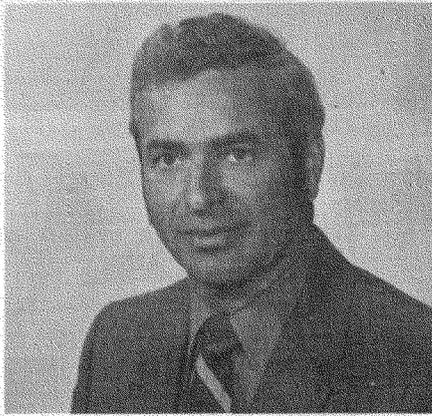
AUB BULLETIN



VOLUME XVI, No. 17

THURSDAY, MARCH 8, 1973

Engineering For Social Progress



Prof. Henderson

«Engineering for Social Progress» was the theme of the winter meeting of the American Society of Agricultural Engineers (ASAE) which was attended by Prof. Harry Henderson, Chairman of the Crop Production and Protection Department at the AUB Faculty of Agricultural Sciences. The meeting, held in January in Chicago, emphasized man's relation to his environment, including pollution, safety and social implications. As many as 13 sessions were held daily on a variety of subjects ranging from the safe installation of grain handling equipment to noise control on farm and industrial engines. A number of working sessions were also held.

Prof. Henderson is member of the ASAE working group A-214 which is the Committee on Instruction in Mechanized Agriculture. Reports were reviewed on the subject matter areas of agricultural engineering including: farm machinery and power, agricultural structures and environmental control, electric power and processing, soil and water engineering, and food engineering. Afterward, Prof. Henderson spent two-days meeting with officials at Deere and Co., Molino, Illinois, and at the International Export Co., Chicago.

(cont'd. on p. 3)

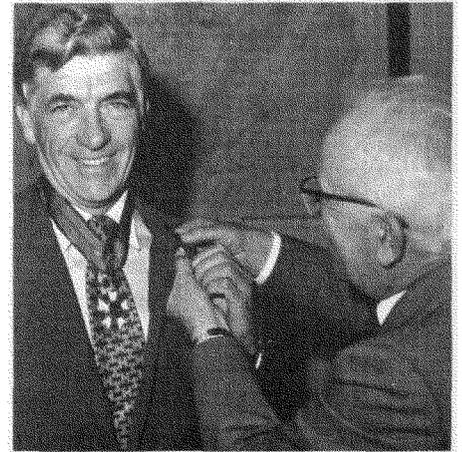
Board of Trustees Meeting In New York

The AUB Board of Trustees will be meeting tomorrow and on Saturday March 9 and 10, in New York. The President of the American University of Beirut, Dr. Samuel B. Kirkwood, together with the Vice President for Administration Dr. Dwight C. Monnier and the University Provost, Dr. Samir K. Thabet have left Beirut for New York to attend the Board meetings. Usually at this time of year the Trustees approve the budget of the University.

The above meeting of the Board is of particular importance as the AUB administration is presenting budgets projected for the next three years as well as extrapolations until 1980. The Trustees will also receive special reports from the Program Review Committee and the Committee on Admissions with recommendations to reduce expenditure following the sharp increases in the costs of higher education which have led to a financial deficit in the budget of the University and require a review of previous policy in these areas. The deficit, which is further aggravated by the devaluation of the Dollar, is expected to be about \$330,000 this year.

Before leaving for New York, Provost Thabet, Chairman of the Program Review Committee declared that the committee was concerned with an increase in revenues and a reduction in expenditure to avoid as much as possible the elimination of programs, and to enable AUB maintain its high standard of education. The Trustees are expected to adopt recommendations which may make it possible for the university program to continue within available resources.

Mr. Halaby Decorated



H.E. President Franjeh decorating Mr. Halaby.

His Excellency President Sleiman Franjeh decorated late last month Mr. Najeeb E. Halaby, member of the AUB Board of Trustees with the Lebanese Order of the Cedars — Commander rank.

The award, made during Mr. Halaby's recent brief visit to Beirut, was widely reported in the press.

Moon Rock At Geology and Petroleum Exhibition

The Department of Geology and the Geology Students Society are holding their Third Geology and Petroleum Exhibition, March 12-18, at West Hall. Mr. Pierre Helou, Minister of Petroleum and Industry, will be opening the exhibition at 6:30 pm on Monday, March 12th.

Major oil companies in the area are participating in this exhibition together with a number of geophysical companies.

The J. F. Kennedy American Center is contributing a sample of moon rock, as well as a film showing man landing on the moon.

Various lectures and film shows are included in the exhibition program.

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

The Reverend Dr. Paul Loeffler, Professor of Ecumenics at the Near East School of Theology, will be guest preacher on Sunday, March 11.

FRIDAY, March 9

— AUB SYMPHONIC BAND CONCERT (Conducted by Allen Hovey), Assembly Hall — AUB, 8:00 p.m. Tickets: LL2 and 1.

SATURDAY, March 10

— Repeat Performance of the SYMPHONIC BAND CONCERT, 5:00 p.m.

FRIDAY, March 9

SATURDAY, March 10

SUNDAY, March 11

— A PLAY IN ARMENIAN (Armenian Community), West Hall — Auditorium, 9:00 p.m. Tickets: LL10, 7 and 5.

NEAR EAST SCHOOL OF THEOLOGY
rue Naccache, just east of Jeanne d'Arc
SUNDAY EVENING DIALOGUE

Programme for 2nd Series — 1972-73

March 11

SOCIO-ECONOMIC ANALYSIS OF THE NEED FOR DEVELOPMENT

Speakers: Miss TENY A. SIMONIAN, Rural Sociologist, Executive Secretary for the Ecumenical Commission on Development in Lebanon.

Dr. RAYMOND MALLAT, Economist, UNESCO-PAS, Regional Center for Educational Planning and Administration in the Arab Countries.

March 18

THE CHALLENGE TO CHURCH AND SOCIETY

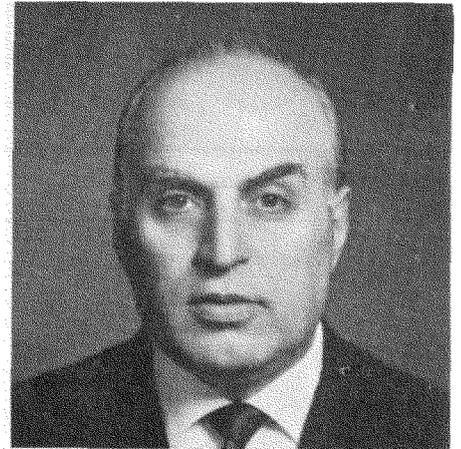
Speakers: Miss FRIEDA HADDAD, Chief Curriculum Planning and Training Section, Social Welfare Training Centre, Office of Social Development and UNICEF.

The Hon. Dr. ALI AL-KHALIL, Member of Parliament, Prof. at the American University of Beirut and Lebanese University.

Associate Registrar Visits Basrah University

Mr. Emile Rubeiz, Associate Registrar, recently visited the University of Basrah, in Iraq for consultation concerning registration techniques and administrative procedures. This visit constitutes a continuation of the preliminary work started last year by the Registrar, Prof. Fuad Haddad.

During his stay in Basrah, Mr. Rubeiz gave four lectures dealing mainly with the comparison between the credit system and the year system, graduation requirements, etc... His lectures were attended by the President, Deans, Chairmen of Departments, members of the Student Council of the University of Basrah. Mr. Rubeiz also helped in the introduction of a new system of registration. He revised many forms, and recommended changes in the filing system and other administrative



Mr. Emile Rubeiz

work connected with the Office of the Registrar.

Mr. Rubeiz also met a number of Alumni and friends of AUB.

Art Students Work Exhibited



Ceramics on display in the basement gallery of the Central Jafet Memorial Library. This exhibition (Feb. 19-March 16) of student work in several art media is sponsored by the Department of Fine and Performing Arts and the Fine Arts Students Society.

School of Nursing Open House

Students in the upper four classes in several secondary schools and their parents who were invited by the faculty and students of the AUB School of Nursing to an Open House on March 2nd and 3rd, were informed that this Open House has been postponed to Friday, March 16, 3-5 p.m. or Saturday, March 17, 10 a.m.-12 noon. Students who will attend the Open House at West Hall will be shown color slides of students in classes, in study, and in the hospital with patients. The Bachelor of Science in Nursing and Nursing Diploma programs will be explained to them, and they will learn about the many and varied positions open to them on graduation. They will also be with faculty and students who can answer their questions. The Open House program includes as well a campus walk, a visit to the hospital, and tea in the new school building which will give prospective students a good idea of the life of a student studying nursing at AUB.

Engineering For Social Progress

(cont'd. from p. 1)

At the request of the Agricultural Engineering Services, Food and Agricultural Organization (FAO), Prof. Henderson stopped in Rome on his way back to Beirut and conferred with FAO officials with regard to future projects affecting the Middle East. Preliminary plans were completed for a conference on mechanization of irrigated lands to be held at the University of Adana, Turkey, in September, 1974. This conference will be held specifically for countries in the Mediterranean region.

Prof. Henderson declared that in response to numerous requests in the Middle East and also as a result of the success of similar missions in Latin America, FAO proposes to send a five-man team to selected Arab countries to investigate the possibilities of research in agricultural engineering. It is expected that research projects may arise from the mission's findings. AUB was asked if it might furnish a member of the proposed team, and also if it could provide some information which the team may need.

New Faculty Members Prof. R. Burrowes

Prof. Robert Burrowes has joined the Department of Political Studies and Public Administration as a visiting associate professor. Born in 1935, he obtained his B.A. in 1957 from Dickson College and his Ph.D. in 1966 from Princeton. Since 1961, he has held the posts of instructor and associate professor at New York University, N.Y. He also holds the post of Director of Graduate Studies in the Politics Department of the same university. He holds the following academic honors: Phi Beta Kappa, Woodrow Wilson Fellowship, and Rotary Foundation Fellowship. He is author of nine articles, one review and three papers.

His research interests include the statistical studies of domestic and ex-



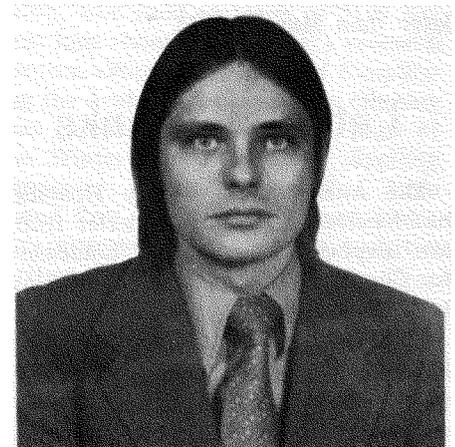
Prof. Burrowes

ternal conflict in the Middle East — which is currently being supported by the National Science Foundation.

Prof. R. Craig

Prof. Robert Craig has joined the Department of English as assistant professor. Born in 1947, Prof. Craig comes from Rochester, N.Y. He obtained his B.A. in 1969 from the University of Wisconsin — Madison, and his M.A. in 1970 from Michigan State University. Before coming to AUB he held the position of Graduate Assistant in the Department of English of Michigan State University. He is author of two articles which were published by the Department of Communication at Michigan State University last year. His research interests include:

- Employment of Multidimensional Scaling techniques to measurement of Communication effects on cognitive structure.
- Study of Communication systems as normative and rule-governed.



Prof. Craig

He holds the following academic honors: National Merit Scholar 1965-1969, Phi Beta Kappa, Woodrow Wilson Fellow, and New York State Teaching Fellow.

Medical Profession Questions Discussed At Business Luncheon

The AUB Medical Alumni Chapter and the Faculty of Medicine at the University of St. Joseph invited last month the President of the Lebanese Order of Physicians, Dr. Joseph E. Azar (AUB Department of Internal Medicine) to their monthly business luncheon at the Alumni Club.

Questions of interest to the medical

profession were discussed at the luncheon. Dr. Azar promised to deal with these questions in the spirit of the declaration he made on his election last December when he stressed that the medical corps is a unified entity.

Dr. Azar (AUB M.D. '46) is Coordinator of Public Health and Preventive Medicine Courses at AUB.

Ellen Lewis Prize

Provost Samir K. Thabet announced recently that Mr. Robert J. Lewis has agreed to continue the *Ellen Lewis Prize in Neuroscience* to be awarded to a member of the AUB Faculty or student body who writes the best paper this academic year in the field of the neurosciences. The prize, a cash award of two hundred dollars, has been established by Mr. Robert J. Lewis of New York in memory of his wife Ellen.

In recognition of the interdisciplinary nature of work and research in the neuroscience field, Mr. Lewis has requested that the recipient of the Prize be selected by a committee chaired by the Provost of the University and including the Dean of the Faculties of Medical Sciences, the Dean of the Faculty of Engineering and Architecture, and the Chairman of the Neuroscience Group.

All typed manuscripts should be sent to the office of the Provost not later than May 14, 1973.

Letter of Thanks

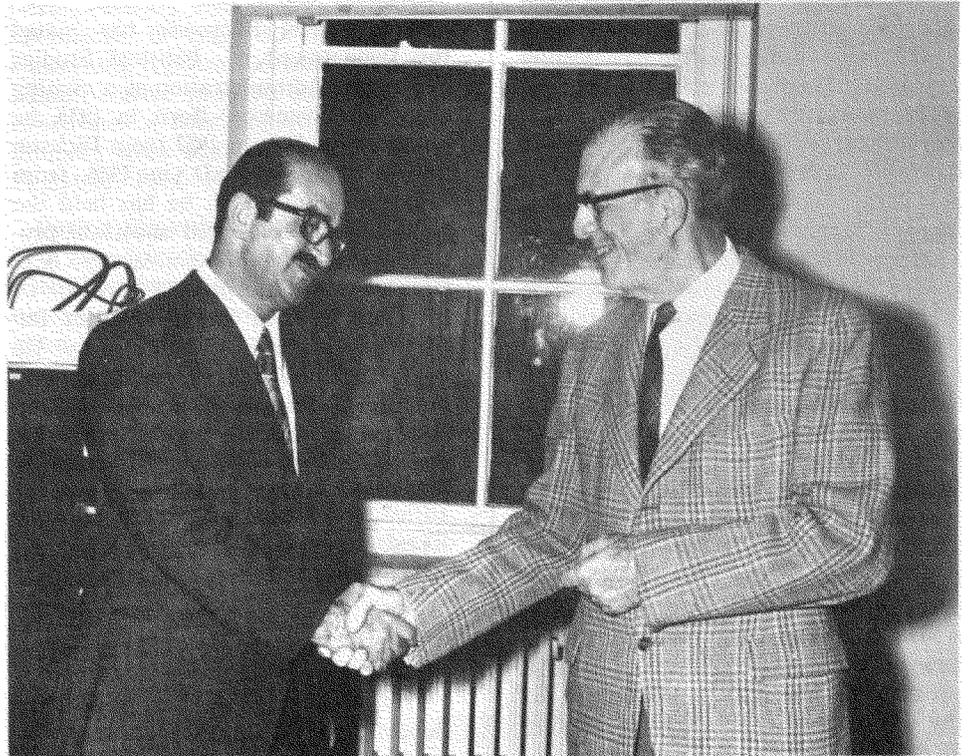
The American University Hospital has received the following letter from Mr. Stephen Duncan-Peters, Counselor for Commercial Affairs at the US Embassy in New Delhi, India:

I would be grateful if you could kindly convey my sincere appreciation to the staff of the American University Hospital for the many courtesies and considerations extended to my wife, Helen Duncan-Peters, during her recent stay there.

You and your staff should be commended for the care and attention so courteously extended to your patients. This personal attention did much to ease the anxiety and discomfort of your patient. Far too often hospitals become impersonal and even cold but this was certainly not true in Beirut.

Everyone connected with your institution was pleasant, friendly and eager to assist. The efficiency and high sanitary and other standards maintained were enhanced by a very human and most welcome warmth that was appreciated far more than any words of ours can convey. All I can say is congratulations and many, many thanks.

Service Pins and Watch Presented to Comptroller Office Employees



At a special party given early last month in the Comptroller's Office, President Samuel B. Kirkwood presented Mr. Khalil Bassila with a 30-year service pin and watch (above).

A 10-year service pin was also presented to Miss Hayfa Audeh by Mr. Donald J. Meyer, the Comptroller (below).



Woman - Theme of Photography Exhibition



The German Cultural Center and the AUB Photography Club sponsored an exhibition of photography, March 2-7, West Hall Common Room, where 514 photographs collected by Mr. Karl Pawek were on show.

The exhibition had one theme, namely woman who comes from var-

ious countries, and was shown in different moods—happiness, sadness, arrogance, stupidity, desire, hunger, pain, vice, exuberance, etc. Though the women were photographed in various parts of the world and are totally unrelated to each other, yet they could in this collection of photos be recognized as sisters.

AUH Receives Bomb Threat

A threat «to set bombs at the American hospital» was last week received in the mail. The police who were promptly notified took the necessary

precautionary measures. The University has raised a case through its attorneys against a person or persons unknown.

Dr. Frederic H. Adams Dies

The University has received word that Dr. Frederic H. Adams, noted chemist, lecturer and teacher died recently in Bound Brook, New Jersey at the age of 69. Born here in Beirut, he was the son of Dr. Walter Booth Adams, professor (1890-1928) at the AUB School of Medicine. Following two years of studies in the School of

Medicine, he taught chemistry at AUB (1925-7).

He later joined the American Cyanamid Company as a research chemist. In the field of organic chemistry, he participated in the development of dyestuffs, pigments and rubber based chemicals. He held 37 US and 37 foreign patents.

Language Simplification



Prof. Tarazi

Prof. Fuad H. Tarazi of the AUB Department of Arabic and Near Eastern Languages has received a letter from the editor of *Spelling Progress Bulletin* of Hollywood, Calif., Mr. Newell W. Tune who referred to a clipping which Prof. Gertrude Hildreth, who used to teach at AUB has sent him about Prof. Tarazi's research project, «Ways and Means of Simplifying the Arabic Language.» The clipping was published on the front page of the Winter issue, 1972, of *Spelling Progress Bulletin* and Mr. Tune asked Prof. Tarazi to tell them about the progress of his research with the written (printed) language.

The editor of *Spelling Progress Bulletin* went on to say in his letter to Prof. Tarazi: «I'm sure it would interest our readers if you would like to write an article for us telling what changes are being proposed and how it is planned to put these changes into use.»

«We have a similar problem with English. Over a year ago, we embarked on a project to tell our readers how various European countries have simplified their spelling and how these changes were put into use. We hope these examples will encourage our legislators to consider seriously the simplification of English.»

Correction

The editor regrets an error in the article concerning the gift from The Charles E. Merrill Trust. The amount of the gift is \$30,000 or LL90,000 (not LL75,000 as reported).

AUB In The Press

English and Arab Cultures

Late last month, the weekly supplement of the English language *The Daily Star* devoted two pages to a long declaration in which Prof. Suheil B. Bushrui, Chairman of the Department of English discussed the recent exhibition of British books on the Arab world organized by the British Council in Beirut. Prof. Bushrui spoke of the influence English and Arab literary cultures have had on each other, and of their relationship which dates back to the Middle Ages.

Prof. Bushrui points out that in the Middle East the main motivating force behind the learning of English language and literature is AUB, the largest English-speaking university outside the English language community.

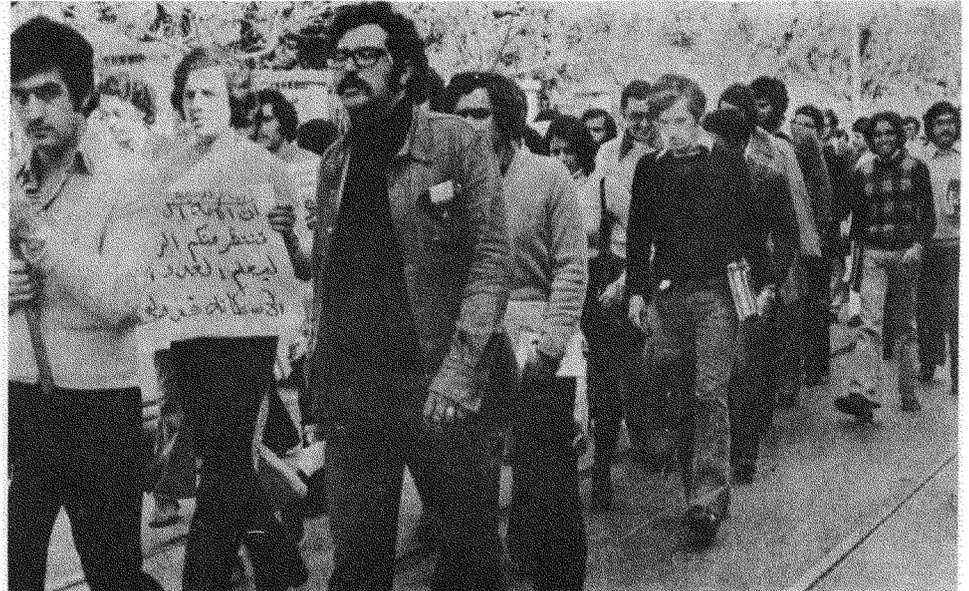
American Women Club



L'Orient-Le Jour covered, with pictures, the lunch given at the Phoenicia Hotel to celebrate the 20th anniversary of the American Women Club. The report was headed: «Scandinavian colors for the 20th Anniversary of the American Women Club.»

The paper quoted the Club president as saying that scholarships will be given to AUB, the International College (IC), and the Beirut College for Women (BCW).

Students March



The AUB Student Council organized last week a march of students who condemned the recent Israeli raids on the refugee camps of Nahr el-Bared

and Beddawi in North Lebanon and the shooting down by Israeli fighter planes of the Libyan Airline Boeing 727 killing 106 passengers.

AUB Professors on High Cost of Living

Al-Anwar weekly supplement devoted a full page last month to discuss the high cost of living. The story was based on interviews with Professors Roy Karaoglan, Marwan Ghandour and Joseph Fuleihan, all of the AUB Department of Economics.

Prof. Karaoglan, chairman of the

Department: The return of capital to Lebanon has led to price increases.

Prof. Ghandour: It is useless to stick to traditional methods in combatting the high cost of living.

Prof. Fuleihan: The 5% increase in salaries is not a sign of a healthy economy.

National Council For Scientific Research

The Los Angeles, Cal., *Journal of Commerce and Independent Review*, and *Daily Journal* reported that scientists in Lebanon have organized a national research program focussed on such problems as pesticide contamination of the food chain, salinity of underground water resources, and contamination of the beaches. These papers

mention that the research will be supported by a 3-year \$150,000 Ford Foundation grant to the Lebanon's National Council for Scientific Research, to which the Council will add \$70,000, and that work will be done by scientists at AUB and at the three other universities in Beirut.

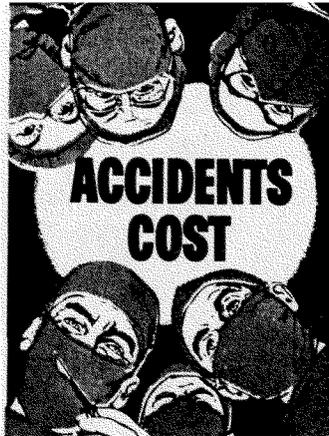
Prof. Mukaddam on Concrete

The *Journal of the American Concrete Institute*, Detroit, Mich., published reviews of the following two works by Prof. Mohammad Mukaddam of the AUB Department of Civil

Engineering: *Thermo-Viscoelastic Behavior of Prestressed Concrete Beams*, and *Long Term Effects of Temperature on Concrete*.

University Safety Center

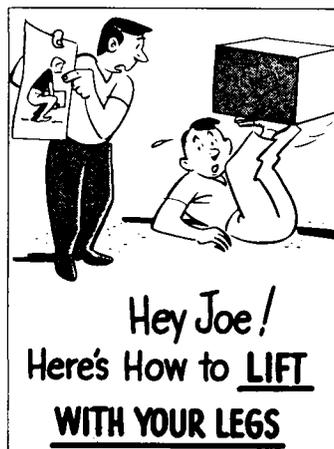
Since its establishment last November, the University Safety Center has assumed responsibility for the University's safety program as outlined by the Total Safety Operations Manual drawn up by the Environmental Health and Hazards Committee which had Professors A. Acra, N. Jouzy, G. Ayoub, J. Clumpner, N. Nassar, N. Atallah and Messrs. J. Abu Jawdeh, A. Saghiri, I. Sema'an, as members, with Mr. Azmi Imad as chairman. In staffing the Center no other University programs were affected and no new personnel hired.



Statistics show that to every disabling injury there are 100 minor accidents, and 500 property damage cases. The 40 disabling accidents mentioned above cause workers to be away for an average of 14 days. Our non-academic staff who are having such an accident rate total about 1,600 persons. But what is happening among our 4,000 students, and about 500 faculty members? Furthermore, since most of the students, faculty, and staff, spend about 2/3 of their time outside AUB, the Center will also be involved in off the job accident prevention i.e. at home, during trips and athletic events, etc.



To avoid confusion, the Protection and Safety Office, headed by Mr. Afif Saghiri, has been retitled «Office of Protection,» and will continue to be administered by the Office of Personnel, while the University Safety Center will report to the Vice President for Administration. Mr. Imad, the acting director of the Center, has explained the growing need for such a center, saying modern techniques and advanced research bring with them more hazards, such as the increasing use of radio-isotopes, or chemicals, which can be the cause of injuries. Every year, non-academic staff have about 40 disabling accidents which sometimes cause permanent disability and damage. Accidents which result in no injury cannot be neglected. If a heavy object in a store, for example, falls from a shelf but does not hurt a person standing nearby, it should be reported to the Safety Center which has a two-fold job: to institute proper reporting of all accidents and incidents among members of the Community, and to make safety inspections and adjust unsafe conditions to prevent accidents.



Moreover, the Center will also be in charge of coordinating all safety activities within the University. This includes checking and follow-up measures against fire and industrial, laboratory, and traffic hazards. In addition to its total safety program the Center will provide a Radiological Protection Service and a Sanitation Service. Mr. Imad, who is a qualified radiological health physicist, has been appointed University Health Physicist

in charge of the first service, and also University Safety Officer in order to implement the accident prevention program.

The main function of the Radiological Protection Service will be to control the use of radio-isotopes and radiation in order to prevent contamination and pollution through the implementation of the Code of Practice for Radiation Protection which was prepared by the University Radiation Safety Committee under the chairmanship of Prof. Aftim Acra.

The Sanitation Service, on the other hand, controls rodents and insects,



and makes sure that sanitary conditions at all AUB food establishments are at their best, at all times. This service will also ensure that AUB food service departments provide the cleanest and healthiest food that can be eaten almost anywhere in Beirut.

The Center will also maintain a regular program of inspection and surveys to evaluate hazards in workshops, classrooms, offices, athletic and storage areas. New constructions and alterations will be checked to ensure that designs incorporate all the necessary safety measures before actual construction begins.

The Center provides services which all departments are encouraged to use, and in order to make sure that the community is protected against hazardous conditions, members are encouraged to contribute towards safety.

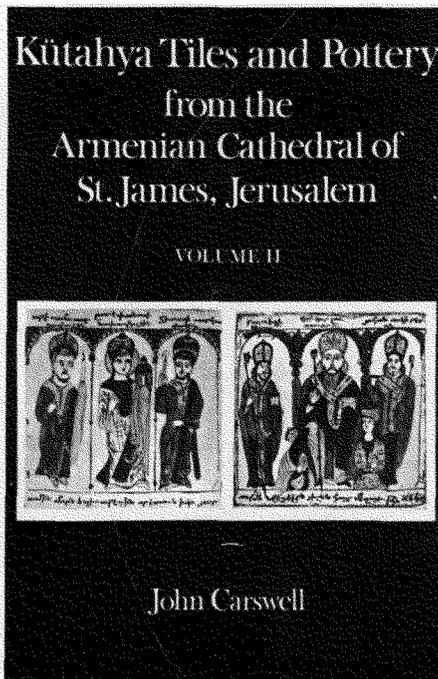
The University Safety Center will be distributing safety suggestion forms. Meanwhile, members of the community who know of unsafe conditions or actions in any area, are urged to inform the Safety Center (ext. 2488) without fail.

New Book by Prof. Carswell

Kütahya tiles and pottery from the Armenian Cathedral of St. James, Jerusalem — vol. 1 — 128 pp.; vol 2 — 196 pp. 92 pls. (35 col.), 64 figs. Clarendon Press — Oxford University Press, £28 the set — by Professor John Carswell of the Department of Fine and Performing Arts was recently reviewed in the *Times Literary Supplement*.

Below is an extract from the review:

«This is the definitive study of the tiles and ornaments of the Armenian Cathedral of St. James in Jerusalem. By its sympathetic analysis of their qualities it establishes them as serious works of art and not merely as pleasurable curiosities. For those who have been interested in and puzzled by the history of pottery in Anatolia ... research into the origins of the kilns in Kütahya establishes beyond reasonable doubt that there were Armenian potteries there in the late fifteenth century. Thus both the famous water-bottle and the ewer of Abraham of Kütahya in Miss Godman's collection must now be accepted as the products of Kütahya and the arguments of such authorities as the late Arthur Lane put aside. This in itself is no minor achievement and a tribute to the



patience and zeal of John Carswell... The critical scholar will find nearly every known fact systematically presented as clearly and attractively as fine photography and excellent book production can achieve.»

The research for the work took Professor Carswell thirteen years to complete and was supported by the Arts and Sciences Research Committee, the Publications Committee; the Gulbenkian Foundation, the British Academy, the National Association of Armenian Studies and Research at Harvard, the Oriental Institute. at Oxford, and the Nubar Pasha Fund, Oxford.

Four Faculty and Staff on 15-Man Council

Four AUB faculty and staff have been elected to the 15-man executive council of the Lebanese Development Studies Association for a period of four years.

Dr. Philip Salem (AUH), Prof. Ziyad Taky (AUB Division of Extension and Special Programs — part time), Prof. Abdul Rahman Saghbir (AUB Faculty of Agricultural Sciences) and Mrs. Aida Naaman (Central Jafet Memorial Library) will respectively be responsible for the Association's sectors of health development, economic development, scientific and technological development, and documentation and publicity.

Women's Association Spring Party

The AUB Women's Association will be sponsoring an informal spring party at the Alumni Club. A good variety of cheese and wine will be served and couples can dance to the tunes of a young band.

Members of the community who are interested in this evening party are invited to call Mrs. Roger Chéhiré, Tel. 300025. Tickets are being sold for LL10 per person.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

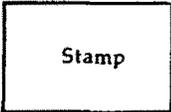
Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To :



.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 18

THURSDAY, MARCH 15, 1973

Third Geology and Petroleum Exhibition



H.E. Mr. Pierre Helou before the stand of the lunar rock with Prof. Z. Beydoun, Chairman of the Department of Geology to his right and Mr. Mohammad Ashshi Abu-Shushah, President of the Geology Students Society to his left.

The Third Geology and Petroleum Exhibition, organized by the AUB Department of Geology and the Geology Students Society, was opened on Monday by the Minister of Petroleum and Industry, Mr. Pierre Helou.

Around 25 major oil companies and firms from the Middle East are participating in this exhibition. Besides the exhibits of the various firms, the sample of lunar rock supplied by the J.F. Kennedy American Center is a main point of attraction.

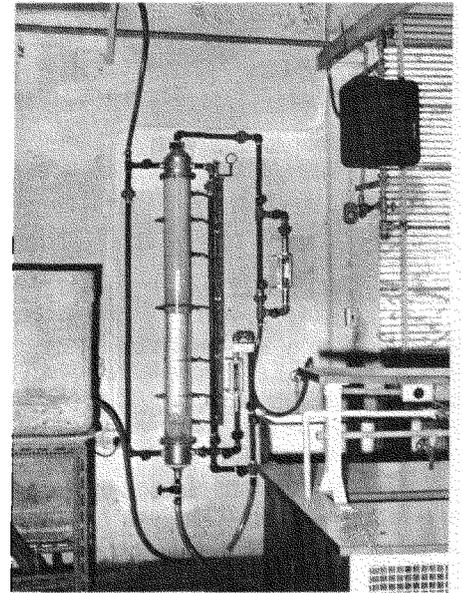
Prof. Ziad R. Beydoun, Chairman of the Department of Geology has praised the efforts exerted by members of the Geology Students Society and their dedication in the preparation of this exhibition. He explained that in having these exhibitions, members of the Geology Students Society aim at introducing their department and its work and activities to the general public.

Moreover, they allot the proceeds raised through such exhibitions to scholarships and bursaries to geology students. These exhibitions also improve and broaden the range of the Society's geological activities to include the organization of special field trips abroad, and the invitation of distinguished speakers to the Department.

The President of the Geology Students Society, Mr. Mohammad Ashshi Abu-Shushah has declared that through these exhibitions the public will be acquainted with the rapid advances in petroleum technology and the new achievements in geology and its related fields. He declared that the Geology Students Society is constantly striving to help their Department grow in the service of the area's progress and development.

(cont'd on p. 3)

Possible Offshore Oil Deposits in Lebanon



An apparatus for the measurement of the degree of pollution in water.

A study undertaken by Prof. Aftim Acra, Chairman of the Department of Environmental Health and Prof. George Ayoub, of the Faculty of Engineering and Architecture, has revealed the possible existence of submarine oil fields in the continental shelf of Lebanon. The two AUB professors have declared that this study, recently carried out by one of their graduate students in sanitary engineering (M.I. Ahmad) under their guidance and supervision, was designed to determine the level of oil and grease in sea water along the entire Lebanese near-shore coastal waters with reference to marine as well as land-based sources.

Speaking of the manner in which the study was conducted, Prof. Acra said that samples of water were taken for examination from 35 points along the coast between El-Arida in the north and Tyre (Sour) in the south—

(cont'd on p. 5)

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for preschool children is available in the Chaplain's residence just behind the Observatory.

Mathematics Colloquium

Sixth meeting of 1972-73

Speaker: Prof. Fawzi Yaqub.

Subject: «Extensions of Distributed Lattices.»

Date: Thursday, March 15, 1973.

3:30 p.m. Tea

4:00 p.m. Paper

Place: Room 116 Bliss Hall

FRIDAY, March 16

— OPEN HOUSE (School of Nursing — AUB). West Hall — Auditorium, 2:00-5:00 p.m.

SATURDAY, March 17

— OPEN HOUSE (School of Nursing — AUB). West Hall — Auditorium, 9:00-12:00 a.m.

— CONCERT (Sacred Songs) by Bob Harrison. West Hall — Auditorium, 7:00 p.m. *By Invitation*

SUNDAY, March 18

— REPEAT CONCERT BY BOB HARRISON. West Hall — Auditorium, 7:00 p.m.

TUESDAY, March 20

— ORCHESTRAL CONCERT — (National Conservatoire). Assembly Hall — AUB, 8:30 p.m. *By Invitation.*

WEDNESDAY, March 21

— TROMBONE AND PIANO CONCERT — by Edgar Wadiah and Laila Awad. Assembly Hall — AUB, 8:30 p.m. Tickets: LL10, 5, and 3.

FRIDAY, March 23

— FILM — «CAMELOT» (Nurses' Alumni and Society — AUB). West Hall — Auditorium, 6:00 p.m. and 9:00 p.m. Tickets: LL15, 10 and 5.

SATURDAY, March 24

— SYRIAN STUDENTS — DANCING PARTY. Mary Dodge Hall, 7:00-12:00 p.m. *By Tickets.*

— A & S. STUDENT SOCIETY — PLAY. West Hall Auditorium, 8:00 p.m.

SUNDAY, March 25

— STUDENT CONCERT (Piano Students of Sona Aharonian). Assembly Hall — AUB, 5:30 p.m. *By Invitation*

UCC Calendar For March 1973

EVERY FRIDAY EVENING

MASS, with shared homily and prayer after the gospel. James Morgan, S.J.

7:00 p.m. in the first floor lounge (UCC Offices). All are welcome.

SOCIAL ISSUES LECTURE SERIES

Friday, March 16, 7:30 p.m.: Judge Farid Zoghbi will speak in Arabic on: «Crime in Lebanon, Aspects and Treatment.»

Come and Join
the experiment'

an informal coffee house
in UCC's Underground
8-12 SATURDAY evenings

MARCH FILMS

THURSDAY EVENINGS 7:30 p.m.

March 15: *Musique pour les yeux.*

March 22: *Rimbaud.*

March 29: *Montparnasse 19 de Jacques Becker* (the story of the painter, Modigliani, in French, with Arabic subtitles).

Visiting Lecturer In Islamic Studies



Prof. Kazi

Prof. Abdul Khaliq Kazi, Senior Lecturer at the Department of Middle Eastern Studies, Melbourne University, Australia, has joined the AUB Department of Religious Studies as a visiting lecturer for the second semester of the current academic session. He is giving a three credit undergraduate course, «Introduction to the Qur'an.» He is also giving a graduate seminar on the «Mysticism of al-Ghazzali.»

Born in Karachi, Pakistan, in 1930, Prof. Kazi received his first degree from the University of Punjab, Lahore in 1949, and Alimiya, an advanced degree in Muslim Theology, from al-Azhar University, Cairo, in 1951. He later joined the University of London and passed B.A. Honours in Arabic, in 1954, and Ph.D. in Islamics, in 1957, from the school of Oriental and African Studies.

Prof. Kazi started his teaching career in 1958 as a lecturer in Islamic Studies at the University of Sindh, Pakistan, and became Reader in 1960. He joined the University of Melbourne, Australia, as a Senior Lecturer in 1961 where he has now permanently settled.

Prof. Kazi's special research interest is in Quranic Studies and Muslim Sects. He has published several articles and is soon going to publish an English translation of al-Shahrastani's Milal.

Prof. and Mrs. Kazi are here with their three-year old son, Karim.

Arab League Day

The Director of Personnel has announced that Thursday, March 22, 1973, Arab League Day, will be a University holiday.

Any employee or worker who is required by reason of regular shift work or for performing essential services to work on that day will be so advised by his supervisor and will be granted a compensatory day off within a period of 45 days from the holiday. In case it is not possible to grant a person a compensatory day within a period of 45 days from the holiday, he will be paid at the regular pay rate for working during that day.

Photo Contest For Campus '73

The University Yearbook Committee has announced a photo-contest for CAMPUS '73. All AUB students including members of the Yearbook Committee are invited to participate in this contest which has «Life on Campus» for a theme.

For *Color* entries, slides are preferable, but large prints are acceptable. *Black and White* entries should have a minimum size of 18x24.

Entries must reach the Yearbook Office or Box No. 6 before *Monday, March 26, 1973 at 5 pm.*

Each photographer must submit at least 4 entries, and a fee of LL2 (two) will be collected for each entry. Each photographer must also submit his name, class, box number as well as the date on which each entry was taken.

Each entry which is not accompanied by its negative will not be considered by the jury.

Prizes are as follows:

	<i>Color</i>	<i>Black and White</i>
First	LL150	LL100
Second	LL100	LL 75
Third	LL 75	LL 50

All entries will be exhibited at a time and place to be announced later.

Entries become the property of the University Yearbook Committee which reserves the right to publish any of them in any part of the Yearbook.

Traditional Football Game



Scene of a surprise at the close of last year's game.

The Arts and Sciences traditional game against Engineering, scheduled for March 31 at 3:00 pm, is expected to be full of the usual school spirit, fun, and surprises. The two teams include most of the varsity members and the best three intramural teams.

Of the 37 games played so far, the

results have been six ties, 18 won by Arts and Sciences, 13 won by Engineering, 81 goals scored by Arts and Sciences, 66 goals scored by Engineering.

This game has been initiated by the Student Council this year.

Third Geology and Petroleum Exhibition

(cont'd from p. 1)

Mr. Abu-Shushah added that the Geology Students Society is looking forward to further exhibitions of geological and petroleum achievements and hoped to attract the participation of more organizations and firms.

The first exhibition was held in 1968 and the second in November 1971, and both were organized by the Geology Students Society with the backing and sponsorship of the Department.

The AUB Department of Geology was formed in 1958 as a one man department. It is now firmly established with a sound undergraduate teaching program which provides basic training in all fundamental aspects of geology leading to a well balanced Bachelor of Science degree. Specialization and active research are carried out at the graduate level where a choice of courses including petroleum geology, photogeology, hydrogeology, geochemistry, applied geophysics, mineral deposits, micropalaeontology and various selected topics of interest in marine

geology-oceanography, X-ray crystallography and engineering geology are offered, and the graduate student also prepares a thesis as part of the requirements for the Master of Science degree in geology. In cooperation with the Department of Biology, a major in Marine Science is now in its second year, and a graduate program in the same field is attracting increasing interest and enrollment.

With the support of the generous grant from the Mobil Foundation the Department has been carrying out an expansion program which is concentrating first on strengthening the geophysical - geochemical - oceanographic part of the curriculum, the embarking on further interdisciplinary projects, and the introduction of a number of «service» courses in geology tailored to the needs of other disciplines.

Since its formation in 1958, the Department has graduated 69 majors with the MSc degree. Present enrollment includes 25 undergraduates in all levels and 16 post-graduates.

Grants to Students Specializing in Armenian History And Culture

The Lebanese Association of Armenian University Graduates announce Post Graduate Thesis Grants of LL 500 to students specializing in the study of Armenian history and culture. Awards will be made to M.A. and Ph.D. students following presentation and approval of an outline of the thesis by the Association. Interested graduate students should contact the Dean of Students' Office for further details.

The officers of the Association include: Dr. Shavarsh Toriguian, President; Dr. Manoug Kamelian, Vice President; Miss Anahid Yeretizian, Secretary; Mr. Hagop Boghossian, Treasurer; Mr. Puzant Arabian, Miss Lily Manouguian, Miss Ani Djiguerian, Mr. Harut Kouyoumdjian, Dr. Joseph Guidanian.

Coming Athletic Events

March 31: Arts & Sciences — Engineering traditional football match.

April 7: AUB — Arab University sports day, football, basketball, volleyball and ping pong.

April 11: Intramural basketball finals for men and women.

April 14: AUB — AUC football and tennis.

April 16: Intramural volleyball finals for men and women.

May 2 & 3: AUB — Dhahran sports days football, basketball, volleyball, track, judo and tennis.

May 8: Interfaculty mixed basketball tournament — One day.

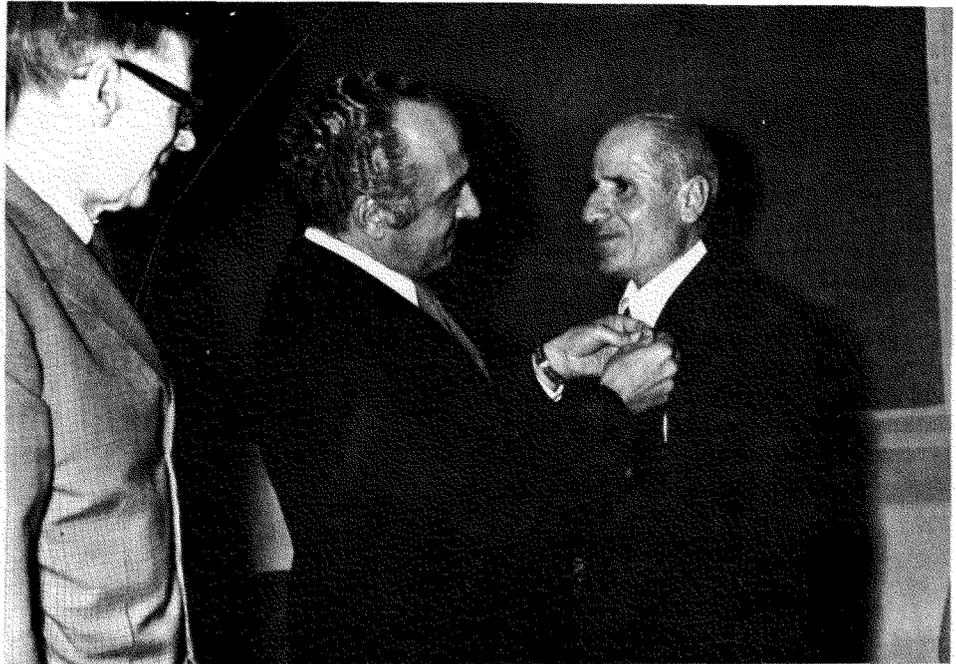
May 9: Interfaculty mixed volleyball tournament — One day.

May 13: Archery championship.

May 19 & 26: AUB 79th Annual Fieldday.

June 3: Water sports.

35 Years of Service



L. to r. Mr. Francis L. Kent, University Librarian, Provost Samir K. Thabet, and Mr. Fadlo Rizk.

The Service Award Program provides for presentation of service awards to employees and workers who have contributed to the stability of the University.

Last month, Provost Samir K. Thabet presented a 35-year service pin to Mr. Fadlo Rizk, Arabic cataloger at the Central Jafet Memorial Library.

The presentation was made at a coffee-party in the Library.

Planning Committee Studies Campus Lighting

The Campus Planning Committee was recently informed that the Board of Trustees has approved the expenditure of \$20,000 towards the lighting of the Campus, and that it is expected that the Board will approve an equal sum for each of the coming three years until the lighting project is completed.

As the implementation of this project will be done in stages, the Committee had to determine priorities as to which areas should be lit first, and the following priorities were established:

Priority I

- Road between Women's Dormitories and Jafet Library.
- Stairs facing Old Chemistry Building leading to upper Campus.
- Stairs and walkway west of Van Dyke Hall.
- Stairs west of Tennis Courts.

Priority II

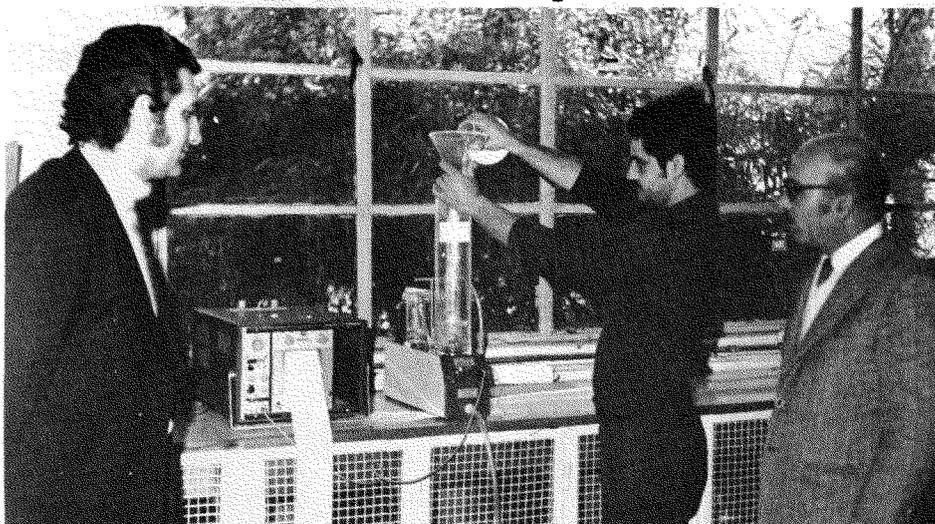
- Road from I.C. gate running north of Nicely Hall and Marquand House to Jafet Library.
- Stairs facing Bechtel Building leading to upper Campus.
- Road east of the Power Plant.

Priority III

- Road from Medical Gate running north of Post Hall, Chapel, Jafet Library and connecting with road north of Marquand House.
- Stairs and walkway west of Basic Science Building between Medical Gate and Women's Dormitories.

Further priorities will be considered as funds become available. In the meantime the Physical Plant will study the possibility of improving the outdoor lighting of the area extending from the Main Gate to Bliss Hall by using the existing building wiring but with improved outdoor type light fixtures.

Possible Offshore Oil Deposits in Lebanon



Professors Ayoub and Acra in laboratory.

(cont'd from p. 1)

a distance of around 200 kms. The samples were collected during the period January-July from sea spots ten meters away from the shore.

Among the various conclusions derived from the study Professors Acra and Ayoub have pointed out that the most important is the one relating to the possible existence of submarine oil fields in the continental shelf off a coastal strip stretching through a distance of 25 kilometers. This area extends from a point just north of the coastal town of Tripoli to the village of El-Arida located close to the border-line between Lebanon and Syria.

Of the various sources of pollution of the marine environment by oil and grease of pertinence to the coastal waters of Lebanon the most important are (a) deliberate discharge of oil-contaminated ballast and bilge waters by oil tankers and other ships, (b) accidental spillage at oil terminals, (c) disposal of oily waste water by refineries, and (d) sewage discharged by coastal towns through sea-outfalls. Professors Acra and Ayoub believe that oily matter derived from marine algae or sunken ships in Lebanese territorial waters would be negligible. In the light of this information as well as knowledge of the direction of the sea-currents and prevailing winds, they have arrived at the only plausible conclusion that the relatively high oil levels in sea-water off the coastal area mentioned above is due

to oil seepage from submarine sources.

Professors Acra and Ayoub have carefully considered all the other possibilities but have ruled them out. In support of their finding they have referred to the geological study carried out and reported in 1971 by Prof. Thomas Goedicke of the Department of Geology, who predicted the presence of natural gas deposits in the North Sea eight years before oil companies tapped the undersea wells. This study has provided additional evidence, based on the geological nature of the continental shelf and certain characteristics of the sediments at the bottom of the sea, that oil deposits are likely to exist underneath the continental shelf especially in the area north of Tripoli town.

Another important observation made by Professors Acra and Ayoub concerns the tarry material deposited on the Lebanese beaches. This, they explain, originates from petroleum after exposure of the oil floating on sea water to the action of sun-light and other weathering factors leading to the loss of the volatile constituents and certain physico-chemical changes which yield the tar that drifts to the beaches. In their survey of the Lebanese beaches they have noted comparatively more extensive tar deposits along the beaches located between Tripoli and El-Arida than any other area. They find it unreasonable to attribute this solely to the oil refineries and terminals in Tripoli, or to those in Tartus and Banias in Syria.

Arab-Islamic Element in Browning's Poetry

One of the aims of the AUB Department of English has been the inculcation of an interest in Lebanese and Arab studies.

In this context, there is now presented an M.A. thesis which the Department considers to be a noteworthy contribution to academic research in the English-speaking and Arab worlds. The thesis, entitled «The Arab-Islamic Element in the Poetry of Robert Browning,» is written by Riyad Atef Nourallah under the supervision of Prof. Suheil Badi Bushrui, Chairman of the Department of English.

This study of the Arab-Islamic element in the poems and plays of Browning is prompted by the feeling that Browning's Islamic and Arab interests should be equated with his humanistic interests in other cultures and peoples, and also by the fact that the Arab-Islamic element is an intrinsic part in Browning's aesthetics and philosophy.

The writer of the thesis has meticulously examined Browning's works, letters, and biography, as well as an extensive range of English translations of Islamic tradition and literature that were available at the poet's time.

The thesis traces and acknowledges Browning's association and friendship with a number of Victorian scholars and men of letters who shared his interest in the culture of the Arab-Islamic East.

The image of the Arab as a scientist and contributor to world civilization recurs often in Browning's poetry and the study reveals that Browning's sympathetic attitude towards Islamic culture is not an expression of a romantic temperament. For instance there is admiration for the struggle of Prince Abd-el-Kader and the Algerians for national independence, the Muslim heritage in Spain, the history of the Druzes, the codes of honour and chivalry in Arabian society, and the Sufi interpretation of life.

Among Browning's chief Arabic and Islamic channels of influence there stand out the English translations of the *Qur'an*, the *Arabian Nights*, the *Seven Arabian Odes* or *al-Moallaqat*, *Kalilah wa Dimnah*, and Firdausi's *Shah Namah*.

An Appendix to the thesis lists over a hundred books on the Arab-Islamic East which were part of Browning's own library.

AUB In The Press

Civic Welfare League Visits Refugee Camps



Al-Anwar covered early this month the visit of AUB men and women students to the refugee camps of Beddawi and Nahr-el-Bared in North Lebanon where they helped remove the

debris left by the recent Israeli raid on these camps. The paper mentioned that the visit was organized by the Civic Welfare League.

System of Government

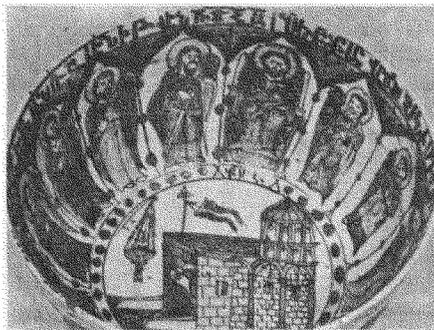


Mr. Pierre Eddé, former Minister of Finance, was last week invited by the Student Society of the AUB Faculty of Engineering and Architecture to speak of the Lebanese system of government. Papers covered his talk in which he defended the Lebanon's system of free enterprise.

Prof. G. Obermeyer on Bedouins

The *Grand Rapids Press*, Grand Rapids, Mich., has quoted Prof. G. Obermeyer of the Department of Sociology and Anthropology in an article on

Kutahya Tiles and Pottery



The supplement of the French language *L'Orient-Le Jour* devoted last week more than two pages with several pictures to a review, by Fr. Jules Leroy, of the book «Kutahya Tiles and Pottery From the Armenian Cathedral of St. James, Jerusalem» by AUB Prof. John Carswell.

Arab bedouins who, as a result of growing urban life, are giving up desert life for city jobs .

Funds For Needy Students



The recent campaign organized by the Student Council for the collection of funds for needy students was covered by the press.

Kansas Professor Was Here in 1966

The Manhattan, Kans., *Mercury* reported that Dr. Fred O. Bradley was named assistant professor of administrations and foundations at Kansas State University, and mentioned that he attended the American University of Beirut in the summer of 1966 as part of a fellowship under the Fulbright Act from the US Department of Health, Education and Welfare.

Former Trustee Dies

The Waco, Texas, *Times-Herald*, the Rolla, Mo, *News*, the Columbia, PA. *News*, the Galesburg ILL. *Register-Mail*, and the Augusta, GA., *Herald* have reported the death of retired professor Christina Harris, in London last October, at the age of 70. The papers mentioned that Mrs. Harris was a former AUB trustee.

Tell-el-Ghassil Artifacts

In a REUTER despatch datelined Beirut, *The Christian Science Monitor*, Boston, Mass., reported twice last December the discovery by students of the AUB Department of Archaeology of 16th century B.C. artifacts at Tell-el-Ghassil, in the Bekaa.

Information on Scholarships For Coming Academic Year

The University provides needy and qualified students with opportunities for financial assistance which are available in the form of scholarship grants, scholarship loans, work grants-in-aid, graduate assistantships, student employment and emergency loans. Except for emergency loans all such assistance is available only by application and under certain regulations. 56% of AUB students receive some kind of financial aid made possible by scholarship gifts.

The Office of Student Affairs has released the following information on scholarships for the coming academic year.

APPLICATIONS

i. All applications for 1973-74 scholarship grants, loans, or work grants-in-aid (work scholarships) must be completed and submitted by March 31, 1973.

ii. Applications are available only at the Office of Student Affairs and may be obtained only during the month of March.

iii. All information requested on the application forms must be furnished, otherwise the application will be declared void without notification to the student.

iv. Any false or incorrect information will nullify the possibility of a favorable decision.

AWARDS

These are basically 3 types:

GRANT: An outright gift of a specific sum of money, or payment of fee, to the student toward his/her educational expenses.

LOAN: A contractual arrangement between the lender (University or special fund) and the student which allows for a specified sum of money to be loaned to the student for his/her educational expenses. Papers containing the conditions of the contract, such as the amount, the purpose of the loan, the responsibility for repayment, and the date by which repayment must be made, will be signed by the lender and the receiver.

WORK GRANT-IN-AID: known as work scholarship. An agreement between the University and student

stating that employment will be provided for the student, and that as long as the student fulfills all the requirements of such employment, his/her account with the university will be credited with the amount earned through the number of hours he/she has worked.

ELIGIBILITY:

Applicant must:

i. be a duly-registered AUB student during the term for which the financial aid is designed, carrying no less than 12 credit hours in course work as an undergraduate, and no less than 6 credit hours in course work as a graduate.

ii. present clear evidence of need.

iii. be in good academic standing.

PERIOD COVERED BY SCHOLARSHIP AWARDS

All decisions made as a result of applications filed this month, March 1973, shall become effective starting October 1973, and extending throughout the entire academic year 1973-74, as long as the student is following a regular course schedule.

DATE OF NOTIFICATION OF AWARDS

Final decisions regarding applications shall be made prior to the final class date of the 2nd semester of the current academic year.

METHOD USED IN REACHING DECISIONS

Each application, with supporting evidence and academic grades, is turned over to the faculty scholarship committee to which the applicant belongs.

The faculty scholarship committee of each school shall determine the amount and type of award to be made to each applicant.

All decisions of the faculties scholarship committees shall be recommended to the University scholarship committee for final approval.

INFORMATION ABOUT SCHOLARSHIPS

The Office of Student Affairs shall be responsible for all information about scholarships.

Exchange Program With Pittsburgh



Prof. Chmielewski

The exchange program of professors and graduate students between the AUB Faculty of Engineering and Architecture and the Engineering School of the University of Pittsburgh, Penn, is in its fourth year with Prof. Jerome Chmielewski teaching at the AUB Department of Mechanical Engineering and Prof. Frank Regier spending one year in teaching and research at the University of Pittsburgh.

The aim of this program is to encourage faculty interaction and enhance research work. The program in the Faculty of Engineering and Architecture is supported by a grant from the Gulf Oil Corporation in Pittsburgh, Penn.

Prof. Shahwan Khoury of the Department of Electrical Engineering explained that the idea was thoroughly studied by the faculties concerned in both universities before the exchange program was initiated in 1969. Four teams of one professor and one graduate student each from both AUB and the University of Pittsburgh have participated in this exchange program.

Miss Taky Deen Tours Poland and Cameroun

Miss Diana Taky Deen of the Department of Fine and Performing Arts, has recently returned from a tour in Poland where she gave two recitals at the Chopin Society in Warsaw, one of which was devoted entirely to the music of Chopin. Miss Taky Deen also performed with orchestras in several other Polish cities and towns.

Miss Taky Deen had previously been in the Cameroun where she played under the auspices of the President of the Republic.

Prof. Adib T. Saad on Plant Pathology

The Council of the Mediterranean Phytopathological Union has selected Prof. Adib T. Saad, Associate Professor of Plant Pathology at the AUB Faculty of Agricultural Sciences to be its representative on the Council of the International Society for Plant Pathology (ISPP). The ISPP has its headquarters in Wageningen, the Netherlands, and its objectives are to promote the development of Plant Pathology and facilitate international cooperation towards this goal. The Second International Congress of Plant Pathology which is sponsored by the ISPP will take place next September, 1973, in Minneapolis, Minnesota, USA.

The Mediterranean Phytopathological Union is an international professional organisation for the Mediterranean countries, and has its headquarters in Bari, Italy. Its present Council is composed of a president, Prof. Viennet-Bourgin (France); two vice presidents, Professors Castellani (Torino, Italy) and El-Helali (Egypt); and a Secretary Treasurer, Prof. Grasso (Italy). Prof. Saad is its Liaison-officer for Lebanon and is a member of the Editorial Board of *Phytopathologie Mediterranea*, a scientific journal published by the Union.

In a declaration to the BULLETIN, Prof. Saad explained that the first ISPP congress was held in London in 1968 and that the national societies of plant pathology in the various countries of the world are associated with ISPP. He said that the tentative program for the coming Minneapolis congress is composed of about 20



Prof. Saad at IIIrd. Congress of the Mediterranean Phytopathological Union held in Portugal last October.

symposia and colloquia which will deal with many aspects of plant pathology. At this one week congress, Prof. Saad will be giving a paper on the «control of a physiogenic disease of potatoes by the use of growth regulating substances.» The research work for this paper is being conducted at the Faculty of Agricultural Sciences by Prof. Saad and a number of associates and assistants.

Prof. Saad also pointed out that the research work is being supported by a grant from the Seed Potato Marketing Board For Northern Ireland. This grant which is for a duration of two years has been renewed for the third time.

Leading Journalists At Open Seminar

Three leading European journalists will hold an open seminar with AUB Mass Communication students next Monday, March 19. The seminar will be chaired by Prof. Nabil Dajani, assistant professor of Mass Communications, and will be attended by students and professors of the Lebanese University School of Journalism.

The journalists are in Beirut to lecture on «The Middle East in World Politics: A Re-evaluation» on March 16, 19 and 20 at the Lebanese University Law Lecture Hall.

Mr. Robert Stevens, foreign editor of the *Observer*, Mr. Jean Lacouture of *Le Monde*, and Mr. Igor Belyaev, political commentator of *Pravda* and representative of the «Soviet Union of Journalists» have been invited to Beirut by the Kamel Mroueh Memorial Fund Committee.

The first in the series of lectures, which are open to the public, will be given by Mr. Stevens on March 16. Mr. Belyaev will give the second on March 19, and Mr. Lacouture will end the series on March 20.

The lecture series is one of a number of projects designed by the Kamel Mroueh Memorial Fund Committee, to encourage the training of professional journalists in the Middle East. The Committee is sponsoring a journalistic competition for the best story written by a practicing journalist this year. It has also awarded a scholarship of LL2500 to a Mass Communication student at AUB.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....

.....

.....

.....

.....

.....



President Comments on Board of Trustees Decisions

President Samuel B. Kirkwood has informed the University Senate, Faculty members, the Student Council, the Administrative Committee and the Alumni Association of the outcome of the Board of Trustees meetings held in New York on March 9 and 10. During the past two weeks the local press gave wide coverage to reports of the Board decisions, and major papers also published interviews with President Kirkwood on this subject.

The President in reporting to the University upon his return from Board meetings in New York, made the following comments:

Introduction

The President noted that the University was a balance between liberal education on the one hand and professional education on the other; a balance of pure scholarship, learning, pursuit of knowledge with practical professional education; a balance between Lebanese and non-Lebanese students; a balance between graduate and undergraduate students.

There was general agreement among faculty consulted and with the statement of the Program Study Committee that the present program which had been evolved over a period of 100 years was a valid program to meet the needs of the Middle East today. While some things within the program may not be operating well, there was general agreement that the program should be retained.

Trustee Action

The Board of Trustees accepted the report of the Program Study Committee and approved it with modifications. In evaluating programs the following criteria were taken into consideration:

1. Does the program meet a need in the Middle East today?



2. Should that need be met by AUB?

3. Is the program financially self-sufficient?

The President said that it is the responsibility of each individual professor to plan and work for the self-sufficiency of his program.

The financial support of the program is no longer the sole responsibility of the Administration or the Development Office but each individual faculty member, coordinating activities with the Office of Development, has a responsibility to see that the program is well supported financially.

School of Pharmacy

When the above criteria were applied to the School of Pharmacy, and it was realized that the practice of pharmacy has drastically changed over the years, it was agreed that the program of the School of Pharmacy should be phased out and reoriented to meet the existing needs of the region which today require a less sophisticated, less expensive program. The new program would be organized in the School of Medicine, utilizing pharmaceutical chemistry, physiology and biochemistry. It was emphasized that the program must become self-supporting, and it must train pharmacists

who can exercise quality control in the field, serve in an educational capacity as advisors to physicians, and become carriers of health education to the general public. The President noted that there were three pharmaceutical manufacturers in Lebanon but that current regulations prohibited the opening of new pharmacies so that opportunities were available in Lebanon only as those holding existing licenses discontinued their practice. It was expected that the new program could be supported financially by the pharmaceutical industry and others interested in this field. The Board asked that progress be reported to its July meeting.

The School of Public Health

The Program Study Committee had recommended that the School of Public Health become a department of preventive medicine in the School of Medicine. The Board noted that there was still a need for the public health specialist and that this person can be uniquely trained at AUB. Also, the Board noted a 20% increase in enrollment in the school in the past year (from 67-90 students) indicating a strong student interest. It is believed that the School of Public Health can continue to attract international funds for its financial support and therefore, the Board did not accept the recommendation of the Program Study Committee.

Nursing Diploma Program

The Board agreed with the Program Study Committee that the present Nursing Diploma Program was outdated and tended to overtrain the bedside nurse and undertrain the supervisory nurse. Because students had already registered for the 1973-74 academic year, however, it was agreed to

(cont'd on p. 7)

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

Mathematics Colloquium

Seventh meeting of 1972-73
Speaker: Prof. Muhammad Zaatari
Subject: «Incomplete Multivariate Models»
Date: Thursday, March 29, 1973
 3:30 pm Tea
 4:00 pm Paper
Place: Room 116 Bliss Hall.

THURSDAY, March 29,

FRIDAY, March 30,

SATURDAY, March 31,

— PLAY (OUR TOWN) IC DRAMA CLUB, West Hall — Auditorium, 8:00 pm. Tickets: LL5 and 3.

THURSDAY, March 29

— REPEAT LECTURE — GULF STUDENTS, West Hall — Lecture Room, 6:30 pm.

— ENGLISH READERS SOCIETY, D.H. Lawrence — Poetry Reading, Prof. R. Murphy, West Hall — Auditorium «B», 5:30 pm.

FRIDAY, March 30

— GULF STUDENTS (Film on Gulf Life), West Hall — Lecture Room, 3:00 pm.

SATURDAY, March 31

— NEW MEN'S DORM — DANCING PARTY, Mary Dodge Hall, 7:00-12:00 pm.

SUNDAY, April 1,

— «MONKEYING AROUND» (Folk, Blues and Country Music), Assembly Hall — AUB, 7:00 pm. Tickets: LL2 and 1.

MONDAY, April 2,

— CONCERT BY THE SCHRAMMEL QUARTET (Vienna), Assembly Hall — AUB, 8:30 pm. Tickets: LL15, 10, 7 and 5.

TUESDAY, April 3.

— PIANO RECITAL BY PETER HOLLFELDER (Germany), Assembly Hall — AUB, 8:30 pm. Tickets: LL10, 5 and 3.

WEDNESDAY, April 4,

THURSDAY, April 5,

FRIDAY, April 6,

SATURDAY, April 7,

— PLAY («AND THEN THERE WERE NONE») (American Repertory Theatre), West Hall — Auditorium, 8:30 pm. Tickets: LL7, 5 and 3.

— MATINEE PERFORMANCE — APRIL 7, AT 3:00 PM.

FRIDAY, April 6,

— CONCERT BY THE STRADIVARI QUARTET (USA), Assembly Hall — AUB, 8:30 pm. Tickets: LL25, 15 and 7.

SATURDAY, APRIL 7

— SOCK-HOP, School of Agriculture, 7:00 pm-1:00 am. *By Tickets.*

Philosophy Symposium

The second meeting of the Philosophy Symposium for 1972-73 will be held on Monday April 9, 1973 at 4:30 pm in room 312 Nicely Hall. Professor Robert Walker will give a paper on the subject «Making Sense: Toward Recovery of the Symbol God.» The paper will be followed by a response by Professor Hugh Harcourt, and by discussion. All members of the University community are cordially invited to attend.

SCIENCE FOR THE PUBLIC
LECTURES SERIES

Wednesday, April 11 at 8:00 pm
West Hall

Prof. Frans Bruin on
THE CREATION

Near East

School of Theology

rue Naccache, just east of Jeanne d'Arc

SUNDAY EVENING DIALOGUE
Programme for 2nd Series — 1972-73
 April 1

Fr. JEAN CORBON, Secretary of the Catholic Commission for Ecumenical Relations «Probing the Present Ecumenical Situation in the Near East.»

Respondent: Dr. PAUL LOEFFLER, N.E.S.T.

April 8

Fr. FARID JABRE, Professor of the History of Arabic Thought, Department of Philosophy, Lebanese University «Toward an Arabic Expression of the Christian Faith.»

All Lectures at 7:30 — Discussion until 9 — followed by tea and informal conversation.

Near Eastern Pottery

The Department of Fine and Performing Arts, in collaboration with the British Council (and the Department of Middle Eastern Studies) is sponsoring a lecture by

Dr. Margaret Medley

(Curator of the Percival David Foundation; Honorary Lecturer at the School of Oriental and African Studies, University of London)

on

Chinese influence on Near Eastern pottery

Wednesday — April 11 at 7 pm
Lecture Room — West Hall

EASTER MUSICALE

The Easter Musicale will be given on Palm Sunday, April 15, 1973 at 5:30 p.m. Assembly Hall.

The University Choir and soloists (60 voices) with orchestra and organ (30 musicians) — conducted by Prof. S. Arnita.

Program : Excerpts from Handel's Messiah and works by Vaughan Williams, Widor, and Mozart.

Tickets at West Hall Office and Library Khayyat

Prices : LL. 5 - 3 - 2 - and 1

Net proceeds to Fine and Performing Arts Student Scholarship Fund.

Women's Association Programs

Members of the AUB Women's Association who are interested in Archaeology or in Balcony Gardening are requested to look forward to Friday, April 6.

The Archaeology group is planning a trip to Afka. The meeting place is the Medical Gate at 9:00 am and the approximate time of return 4:00 pm. Those interested should call Mrs.

Ghul, Tel. 259816, or Mrs. Butros, Tel. 343488, before Wednesday, April 4.

The Balcony Gardening group will meet at 6:00 pm at the exhibit hall of the Office of Tourism, Hamra Street, for the Eleventh International Flower Show. The theme this year is «Abodes of Happiness.» Those interested should call Mrs. Takla, Tel. 244365. Entrance fee is LL3.

Cups Donated to 79th Fieldday Champions

23 cups have been donated to champions at the coming 79th annual fieldday.

CUP DONORS

1. President S. Kirkwood
2. Mrs. Kirkwood
3. Vice President Monnier
4. Mrs. Monnier
5. Dr. Samir Thabet
6. Mr. Shukri Shammas
7. Mr. Shukri Shammas
8. Sheikh Najib Alamuddin
9. Vice President Hakim
10. Dean C. Lichtenwalner
11. Dean R. Ghosn
12. Dean S. Swenson
13. Dean R. Najemy
14. Dr. Raif Nassif
15. Mrs. Musa
16. Dean E. Prothro
17. Dr. J. Cowan
18. Miss E. Moyer
19. AUB Workers and Staff Syndicate
20. Arts and Sciences Students Society
21. AUB Student Council
22. Medical Students Society
23. Engineering Students Society

EVENT

- 200 M. (Men)
- 100 M. (Women)
- 400 M. (Men)
- 200 M. (Women)
- High Jump (Women)
- High Point Winner (Men)
- High Point Winner (Women)
- Javelin
- Shot Put
- High Jump (Men)
- Archery (Men)
- 800 M.
- Long Jump (Women)
- 100 M. (Men)
- 50 M. (Women)
- Discus
- Hop Step and Jump
- Rope Skipping (Women)
- Long Jump (Men)
- 200 M. Hurdles
- 1500 M.
- 400 M. (Women)
- Football Kick

BCW Group Presents Children's Play

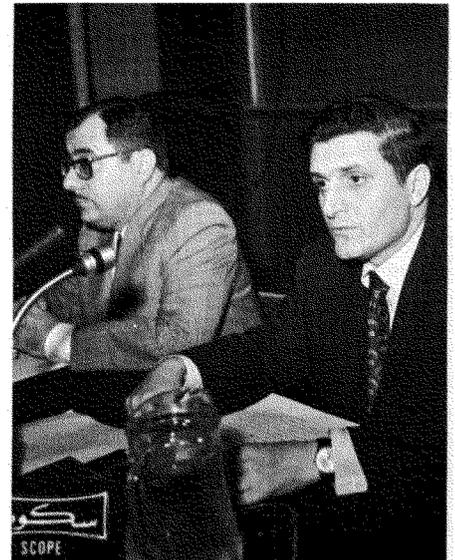
ART
THEATRE GROUP
PRESENTS
A CHILDREN'S PLAY:
ROBIN SHORT'S
THE RED SHOES
Directed by Claire Cowan
THE PERFORMANCES WILL TAKE
PLACE AT THE GULBENKIAN
THEATRE
BEIRUT COLLEGE FOR WOMEN
PERFORMANCES

March 29 4:30 pm
March 30 4:30 and 6:30 pm

March 31 2:30 and 4:30 pm
April 1 2:30 and 4:30 pm
TICKETS on sale at BCW (Gulbenkian ticket booth) and ACS (Elementary Library), Telephone: 252590, Ext. 81: for phone reservations.
DONATION: Adults 3LL. Children 2LL.

This play is described as a musical, circus style entertainment for the whole family but especially for children aged 4-16. What dialogue there is, is in English. But understanding English is not required.

Prof. Y. Shibl Evaluates Desalination Plant Proposal



The lecture given in February in Kuwait by Prof. Y. Shibl, Assistant Professor at the AUB Department of Business Administration on the «Economic Feasibility of Installing a 500 MGD Nuclear Desalination Plant in Kuwait» was attended by the Kuwaiti Ministers of Finance and of Water and Electricity, and by several undersecretaries.

The purpose of the lecture was to evaluate the proposal of installing a giant nuclear desalination plant in Kuwait with a daily capacity of 500 million gallons to be used primarily for irrigation purposes. Different investment criteria were applied using the available data in estimated benefits and costs of the project. The main conclusion of the study was that the most optimal size of the proposed plant is approximately 130 MGD based on a projection of water demand in the coming twenty years.

«Voices» Welcomes Contributions

Voices. The Journal of the English Readers' Society is in its second year of publication and welcomes poems, stories and articles (preferably on literary subjects) for publication. The deadline to submit material for publication to A. Choukassizian, Jafet Library is April 16.

Paper on Tropical Soils By Prof. Sayegh

Prof. Antoine Sayegh, Associate Professor of Soils at the AUB Faculty of Agricultural Sciences spent 9 months in Hawaii last year on sabbatical leave. In addition, he spent one month visiting different universities in the US, and another month in Germany on a DADD grant visiting the universities of Gottingen, Bonn and Munich.

During his stay in Hawaii, he studied the tropical soils of five Islands. His research culminated in a paper entitled «characteristics of crystalline and amorphous separates of tropical soils» which was co-authored by Dr. S.A. Al-Swaify. The paper was read at the Annual Meetings of the American Society of Agronomy which was held in Miami Beach, Florida.

The paper, which will be published in the proceedings of the Soil Science Society of America, discussed a different approach for the determination of cation exchange capacity of soils containing high amounts of oxides and amorphous materials. The technique involved the determination of the uptake of charging ions, and the adsorption of counter (exchangeable) ions.

Lecture by Dr. Weinschenk Postponed

The lecture by Dr. K. Weinschenk on «International Cooperation in Technological Advances in Special Education,» which the Lebanese National Council of Women was sponsoring for April 9, 1973, 6 pm, at the «Cénacle Libanais», Sheikh Bechara El-Khoury St. has been postponed to a later date to be announced in due time.

Correction

In the article headed «Co-Educational Sports Stepped Up»—the BULLETIN No. 16 of March 1st, 1973, page 7—we said that the AUB (auxiliary) gymnasium was known previously as the Engineering Alumni Hall.

We are now informed by the Engineering Alumni Chapter that «this building is still the Engineering Alumni Hall, used as an auxiliary gymnasium by courtesy of its owner, namely this Chapter.»

The error is regretted.

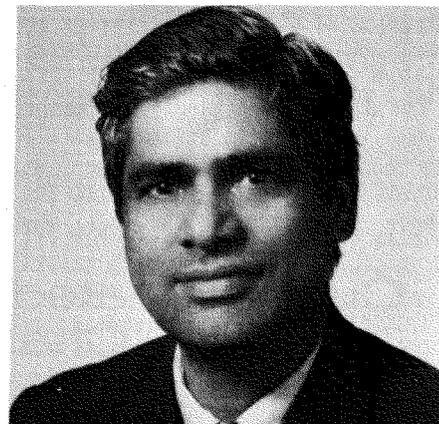
Hinduism and Buddhism Added to Religious Studies

The Indian Council for Cultural Relations has donated an Associate Professorship which is now established at the Department of Religious Studies. The occupant of the position will teach courses and offer lectures dealing with Indian culture, history, philosophy and religious thought (i.e. Hinduism and Buddhism). These courses, as electives, will be open to students from all AUB Faculties and Schools. The position is established initially for three years, and is subject to renewal.

In his letter of acceptance of the offer, President Samuel B. Kirkwood declared that the appointment of a Professor in Indian Studies will enrich the academic program of the University. Prof. H.S. Kotiyal, who is selected as the first incumbent of the position, joined the Department of Religious Studies in February this year.

Prof. Kotiyal received his M.A. in Indian History in 1949 from Allahabad University and Ph.D. in Ancient Indian History and Culture from the Hindu University Banaras in 1954. He is also a Gold Medalist in Sanskrit.

Prof. Kotiyal has been teaching at the Hindu College, Delhi University for the last 18 years. His contribution has especially been valuable in creating research interest and supervising Ph.D.



Prof. H.S. Kotiyal

students in Ancient Indian History at Delhi University. He has published numerous articles on subjects such as Slavery in Ancient Times, Class and Caste in Jain Literature, Mixed Caste in Ancient India, and the like. At present he is working on the economic aspects of Buddhism.

With the addition of Prof. Kotiyal, the Department of Religious Studies has now started its fourth branch of study, Hinduism and Buddhism, so much needed for a long time. The other three branches of Religious Studies in which the department excels are, Ancient and Classical Religions, Christianity, and Islamic Studies.

Professors Mukaddam and Nassif Lecture on the Finite Element Method

The Faculty of Engineering and Architecture invites members of the community to attend a lecture in two parts on The Finite Element Method to be given at 6:30 pm on Wednesday, 4 April 1973 in the Bechtel Engineering Hall.

Part A.

The Finite Element Method — A generalization of structural theory — Applications. Prof. Muhammad Mukaddam, Assistant Professor of Civil Engineering, AUB.

Part B.

The Finite Element Method — A numerical technique for solution of partial differential equations. Prof. Nabil

Nassif, Assistant Professor of Mathematics, AUB.

The Finite Element Method was originally developed in the nineteen sixties as a tool for structural analysis; but the theory and formulation have been so refined and generalized that the method has been applied successfully to such other fields as heat flow, seepage, hydrodynamics, soil and rock mechanics. Later it was realized that the Finite Element Method could be considered like the Finite Difference Method, as a numerical technique for solving many partial differential equations.

Prof. J. Nasser Participates in Symposium On Reinforced Concrete



L. to r.: Prof. Mohammad Al-Hashimy of Ain Shams University, Prof. Mohammad Hilal, Chairman of the Department of Reinforced Concrete at Cairo University, Prof. Nasser, Prof. Abdul Aziz Arousy, and Prof. Abdul Kerim Ata of Cairo University.

At the special invitation of the Egyptian Society of Civil Engineers and of the Federation of Syndicates of Arab Engineers (50,000 members from all Arab countries) Prof. Jack Nasser, professor of civil engineering at the AUB Faculty of Engineering and Architecture participated in Cairo last January in the extraordinary 5-day symposium on reinforced concrete which was attended by 150 Egyptian specialists, among them 50 university professors.

The first meeting was devoted to a lecture by Prof. Nasser who spoke of modern methods for the design of reinforced concrete structure (Limit-States Philosophy), and of the application of these methods which constitute the bases of the Unified Arab Code Project for the Design of Reinforced Concrete Structures — the code prepared by Prof. Nasser himself for the above Federation.

A paper on this code was last August submitted in the US by Prof. Nasser to the Tall Buildings Committee which is a joint committee of both the American Society of Civil Engineers (ASCE) and the International Association of Bridges and Structural Engineering (IABSE). Prof. Nasser is the Committee's reporter for the Arab countries, including North Africa. The Code was also the subject of a lecture he gave at an international con-

ference held at Lehigh University, Bethlehem, Penn., and attended by 600 specialists from all over the world. Both paper and lecture were presented at the request of the Steering Group of the Tall Buildings Committee.

Late in January, the Lebanese National Council for Scientific Research held a symposium at the quarters of the Order of Engineers and Architects in Beirut with the collaboration of the Federation of Arab Engineers and the two orders of Lebanese engineers to discuss the Unified Arab Code Project for the Design of Reinforced Concrete Structures. At this symposium which was attended by 60 Arab specialists, Prof. Nasser supplied answers to all queries about the Code, and an ad hoc committee of Prof. Nasser and 11 other members chosen from Arab countries was formed within the framework of the National Council for Scientific Research to finalize the Code project. Prof. Hanna M. Makhoul of the Faculty of Engineering and Architecture is also member from Lebanon. Prof. Nasser is also entrusted by the National Council for Scientific Research to coordinate research activities related to structures and concrete, including Reinforced Concrete Code, Tall Buildings Code and the research contract recently signed with AUB.

In Recognition of Highest Attainment of Scholarship During 1972 - 1973

The Dean's Honor List of the SCHOOL OF PHARMACY for the first semester of the academic year 1972-73, appears below.

To be eligible for the list a student (a) must have earned a minimum grade average of 80, (b) stands in the upper 15% of his/her class, (c) has no failure, (d) has no special condition for promotion, (e) is not repeating, (f) is taking courses equal to at least 5/6 of the credit hours of his/her class, (g) has no disciplinary action against him/her and (h) is deemed worthy by the Director to be on the honor list.

<i>Class of 1973</i>	<i>Grade Average</i>
Mr. Sarkis Aghazarian	90.80
Mr. Pierre Pamboukian	87.07
Miss Wadiyah Ramadan	86.40
Mr. Nabil Nadir	86.07
<i>Class of 1974</i>	
Miss Margaret Poochikian	89.50
Miss Styliani Hadjioannou	87.47
Miss Hind Sa'di	85.47
Miss Maral Simonian	83.53
Mr. Emmanuel Zabaneh	83.00
<i>Class of 1975</i>	
Mr. Garo Karilian-Konyalian	86.72
Mr. Suleiman Bahuth	85.83
Miss Dalida Kebabjian	84.33
Miss Mary Sadir	80.72
<i>Class of 1976</i>	
Miss Rima Bawarshi	93.82
Miss Afifah Sunawbar	90.07
Miss Lama Abbushi	89.53
Miss Edma Sarkis	87.82
Miss Caroly Habra	87.71
Miss Sawsan Kayyali	87.60

AUB In The Press

1909 Football Team

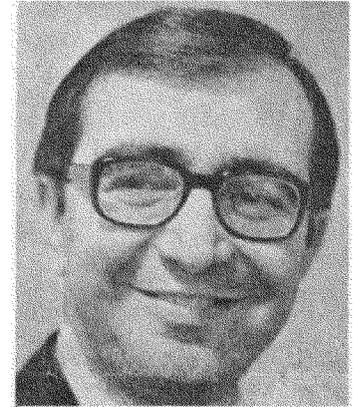


Prof. al-Makdisi is third from left in the middle row.

The weekly *Al-Jumhour* devoted early this month two pages to an interview with Professor Emeritus Anis al-Makdisi who talked of his life

at AUB with particular emphasis on his «football» activities as member of the football team of 1909.

Alumni Appointed Director of Health Center



The Mexico, Mo., *Ledger* reported the appointment of Dr. Zaki Ajans as clinical director of East Central Missouri Mental Health Center. The paper mentioned that Dr. Ajans graduated from AUB in 1960, and that after an internship of one year at AUH, he completed a 3-year residency in 1964, and was an instructor in medicine until 1965.

Nowrouz Celebrated

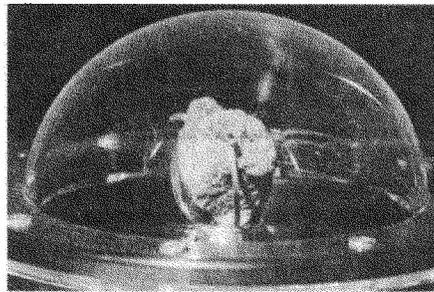


The celebration of Nowrouz, the Iranian New Year by Iranian students at AUB was reported in last week's press.

Civic Welfare League Activity

The collection of donations by the AUB Civic Welfare League for dismissed Government school teachers was reported this month.

Lunar Rock Displayed



Papers published pictures of the lunar rock which was displayed at the Third Geology and Petroleum Exhibition in West Hall. The lunar rock was presented by the J.F. Kennedy American Center in Beirut to this exhibition which was organized by the AUB Department of Geology and the Geology Students Society.

College Hall Centennial

The weekly supplement of *Al-Anwar* has published a long article on the occasion of the centennial of College Hall.

AUB Professors Quoted on Archaeological Works

The *Chicago Daily News* published a story by David Hall, headed: «Dams spur scramble by archaeologists,» in which Prof. William Ward and Prof. Helga Seeden were quoted on archaeological works now taking place in northern Syria and Jordan which are believed to add to knowledge about the development of Western civilization. The above was also reproduced in the *Omaha World-Herald*, Omaha, Neb., and the *Mobile Register*, Mobile, Ala.

AUB Trustee Retires

The retirement of Dr. Rudger H. Walker from the AUB Board of Trustees after 18 years of service was reported in the *Desert News*, Salt Lake City, Utah. Dr. Walker was professor emeritus of agronomy and dean emeritus of the College of Biological and Agricultural Sciences at Brigham Young University.

President Comments on Board Decisions

(cont'd from p. 1)

postpone the phasing out of this program until 1974.

Administration

The Program Study Committee recommended budget savings of \$1,200,000 in expenditures between 1973 and 1977. \$495,000 of this sum, the major share, will be made from administration expenditures as agreed with the administrative committee. It is believed that these changes will result in tighter, more efficient university organization.

The AUB Hospital

Reduction of costs at the Hospital requires better control of the purchase of supplies and the tightening of all employment and work load allocations. The geographical full-time proposal as presented by the Program Study Committee was not accepted in its present form. The University was asked to re-examine this question and present a plan to the Board in July.

Engineering and Architecture

The graduate program in Architecture has attracted few students and the question of whether it can be maintained with a low enrollment was carefully examined. The need for this new program was recognized and, therefore, it was agreed to continue the program for 3 years and re-examine the issue at the close of that period.

Agricultural Sciences

The Board accepted the recommendations of the Program Study Committee and made no further modifications.

Arts and Sciences

The Board agreed to a major reconstruction of the academic program for the purpose of greater efficiency and to avoid course duplication.

Greater flexibility is required in the pre-sophomore program including the University Orientation Program (UOP) and the Freshman year. Students throughout the region come from a great variety of levels of aca-

demical preparation and the Freshman year and the UOP must be able to bring students from these different levels and prepare them for entrance to the University. This is a continuing need until secondary schools catch up with the demands of university training today. The University must not set up areas which will prohibit students from coming to AUB.

Cultural Studies, too, must be restructured to utilize faculty from other departments. This may result in greater teaching loads. The Board also approved the recommendation of the Program Study Committee to reduce the multiplicity of specialty courses attracting only a few students each year. Ph. D. programs which can attract financial resources will be given serious consideration. Other programs affected are the majors in Fine Arts, Religious Studies and Mass Communications.

General

The budgets of the University were approved. The final form of the 1972-3 budget was accepted with a \$200,000 deficit, but the administration is expected to take steps to reduce that deficit. There will continue, therefore, a restriction on the use of overtime, the purchases of new equipment, and the hiring of replacement staff. For recruiting purposes the 1973-4 budget was approved in order of magnitude. For planning purposes the 1974-5 and 1975-6 budgets were also approved. The new Budget Committee of the Board will review all budgets prior to presentation to the full Board. New assessments for income include an increase in tuition fees for 1974-75 which will have to maintain the same proportional relationship to the total cost of education. The amount and method of the increase is not yet determined. It requires further study to be made with faculty and students.

Management Corporation

The Board accepted the recommendation for extending the capacity of computer services at the University. Actual purchase of equipment, however, will very much depend upon the availability of funds or donation of equipment in whole or in part. The

Board approved the establishment of a Management Corporation similar to the Stanford Research Institute. The purpose of this organization will be to consolidate and manage the consulting, product testing, and specialized training services of the University.

To offset the dollar devaluation the Board passed a temporary measure effective in February and to continue through to June 30th for the calculation of salary payments at the rate of 3 to 1 for the first \$600 of salary. (In effect pegging salaries of \$8,000 and under at this rate. This applied only to salary payments required for exchange; lesser rates applied to higher salaries.) The Board also approved the rehabilitation of the main water system and the extension of the steam line.

Several proposals have been made for the utilization of the old outpatient building site. The Board of Trustees has indicated that they will make a final decision on the O.P.D. in July. The Board also approved the recommendation of the admissions committee to increase enrollment to 4522 or a full time equivalent of 4,021. The continuing need for a central library was recognized but the project continues to be unfunded.

President Kirkwood expressed an optimistic note (i.e. He was more optimistic (or less pessimistic) than when he left for the U.S.).

1. Everywhere he went in executive and congressional circles he found AUB to be well-known (in Washington and outside Washington). He did not have to sell AUB.

2. The region in which the university operates has a different attitude towards education at this time: a university education is still recognized as the mark of the ability to rise to any height. This appears to be inherent in the Middle East situation.

3. Faculty, staff, students and alumni dedicated to the continuation of the University are an essential, existing factor in AUB's situation and its major strength.

In concluding, President Kirkwood stressed that increased income must be mobilized, and the faculty will have a growing role in this task, adding: «The University has a program that has stood the test of time. We now have an opportunity to assure this type of program.»

Prof. B. Blackstone On the Poet Lord Byron

Professor Bernard Blackstone of the Department of English has for some time now been devoting his energy to the works of the poet Lord Byron. Professor Blackstone's interest in the poets of the Romantic Movement had previously manifested itself in three books that have become standard works on the subject: *English Blake* (C.U.P., 1949), *The Consecrated Urn* (Longmans, 1962), and *The Lost Travellers* (Longmans, 1962).

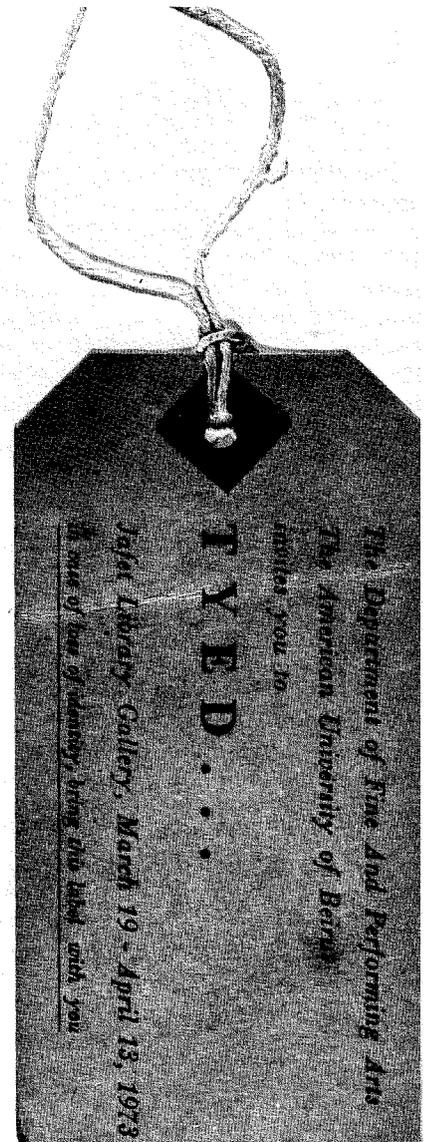
Byron studies already published by Professor Blackstone are «The Loops of Time: Spatio-Temporal Patterns in *Childe Harold*,» in the journal *Ariel*, vol. 2, no. 4: October 1971, and three studies in the *Writers and Their Work* series published by Longmans for the British Council in 1971.

Ready for publication is «Byron and Islam: The Triple Eros,» a pioneering study in the much-under-played field of the influence of the East on Byron. This 15,000 word essay will appear in the *Journal of European Studies* early in 1974. Professor Blackstone is also preparing for Longmans a 350-page book, *Byron: The Central Realm*. This volume in particular is an interpretation of Byron's verse that is bound to awaken a new interest in the literary world and to cause a re-evaluation of Byron as a greater poet than he has been thought of in the recent past.

Nylon Cord Ties Together Chosen Buildings and Spots on Campus

From March 19 the American University of Beirut is the subject of a philosophical experiment, sponsored by the Department of Fine and Performing Arts. College Hall, Jafet Library and other buildings, as well as rocks and trees all over the University, have been tied together with a white nylon cord half a kilometre long. Professor John Carswell describes the cord as an expression of dynamic relationships between inanimate objects, adding: «Such relationships are normally sensed, but seldom actually expressed. For instance, mountains may be joined to the sea by rivers; towns joined to each other by roads; telephones to each other by wires. But the rivers, roads and wires are not direct links, because they are all conditioned by the intervening landscape. Rather like a spider's web, our lives are spent in a network of lines, linking the objects in our world. But this network is imposed on us, and is not of our choice. In opposition to this, the nylon cord at AUB links a number of chosen objects together directly, and so expresses in finite terms the dynamic relationship they have to each other. No one could accuse the cord of serving any functional purpose, so tying up the University acquires some of the mystery of an act performed purely for its own sake.»

The mystery will continue until April 13, and can be observed at many different points on the upper and lower campus, as well as inside and outside Jafet Library.



AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 20

THURSDAY, APRIL 5, 1973

Mr. H. W. Page Elected Chairman of Board of Trustees



*Mr. Howard W. Page,
the new Chairman.*

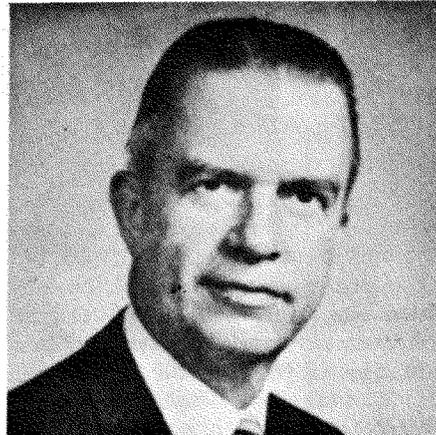
Mr. Howard W. Page and the Honorable Parker T. Hart have respectively been elected Chairman and Vice Chairman of the AUB Board of Trustees. Mr. Page served 18 years and Ambassador Hart three as members of the Board prior to their election at the Board meeting in New York early last month when the resignation of the outgoing Chairman, Dr. Calvin H. Plimpton became effective.

Mr. Page, the new Chairman is well known in the oil industry, particularly here in the Middle East as Director of the Arabian American Oil Company (ARAMCO) and of the Trans Arabian Pipeline Company (TAPline).

He obtained his B.S. in Chemical Engineering from Stanford University (1927), and his M.S., also in Chemical Engineering, from the Massachusetts Institute of Technology (1929).

During the war, Mr. Page served on the Petroleum Industry War Council as well as other agencies, and was executive assistant to the US President (1947).

Mr. Page is a director of the Near East Foundation, member of the English Speaking Union, Chi Phi Clubs, MIT, and is awarded the Iranian Order



*Ambassador Parker T. Hart, Vice
Chairman*

of Humayun 2d. Class.

Mrs. Page is the former Eileen Elizabeth Wilan.

Ambassador Hart, the Vice Chairman, was graduated from Dartmouth College and received a Master's degree in Government from Harvard in 1935. Commissioned in foreign service in 1938, Ambassador Hart served as US Ambassador to Turkey (1965-68) and to Saudi Arabia (1961-1965). During this period he was minister to the Kingdom of Yemen and Ambassador to the State of Kuwait. Ambassador Hart was Assistant Secretary of State for Near Eastern and South Asian Affairs from October 1968 to February 1969.

He retired from the Department of State in 1969 and later assumed the Presidency of the Middle East Institute. He has recently joined the Bechtel Corporation of San Francisco.

Ambassador Hart is married to the former Jane Smiley.

Dr. Calvin H. Plimpton is President of the Downstate Medical Center of the University of the State of New York. He obtained his B.A. *cum laude* from Amherst College (1939); M.D. *cum laude* from Harvard (1943), M.A. (1947). He has received many honorary

degrees, among them the Med. Sci. D. from Columbia (1951); LL.D. from Williams (1960), Wesleyan (1961), Doshioha University, Kyoto, Japan (1962); St. Lawrence University (1963); L.H.D. University of Massachusetts (1962), D.Sc. from Rockford College (1962) and St. Mary's (1963).

Dr. Plimpton was Professor of Medicine at AUB (1957-59) before he became President of Amherst College in 1960. He was elected AUB Trustee at the Board of Trustees Corporation meeting in April, 1960. Dr. Plimpton holds the award of the Lebanese Order of the Cedars, Commander rank and is Diplomat of the National Board of Medical Examiners and of the American Board of Internal Medicine, Alpha Omega Alpha and Sigma Xi Clubs.

In a statement released at the time of his resignation as Chairman, a post he held for eight years, Dr. Plimpton said his new position did not leave him the opportunity of visiting AUB three or four times a year. «The Chairman,» he said, «has to be a familiar figure whose intermittent presence on the campus is accepted and understood by faculty, students and the syndicate.»

Dr. Plimpton, a great admirer of the poet Robert Frost who was resident at Amherst College for many years, quoted the poet's famous poem. «The Road not Taken.» He paraphrased Robert Frost in describing the work of the university as moving a man «from where he is to where he ain't.» Dr. Plimpton added: «For a university, the actual road and curriculum taken, the actual chairman, the actual president is less important than agreement on the destination and then the motion towards it. The road does not make 'all the difference.' One can change the road and personnel without changing directions.»

Cont'd on p. 3

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

FRIDAY, April 6,

— CONCERT BY THE STRADIVARI QUARTET (USA), Assembly Hall — AUB, 8:30 pm. Tickets: LL25, 15 ans 7.

SATURDAY, APRIL 7

— SOCK-HOP, School of Agriculture, 7:00 pm-1:00 am. *By Tickets.*

Philosophy Symposium

The second meeting of the Philosophy Symposium for 1972-73 will be held on Monday April 9, 1973 at 4:30 pm in room 312 Nicely Hall. Professor Robert Walker will give a paper on the subject «Making Sense: Toward Recovery of the Symbol God.» The paper will be followed by a response by Professor Hugh Harcourt, and by discussion. All members of the University community are cordially invited to attend.

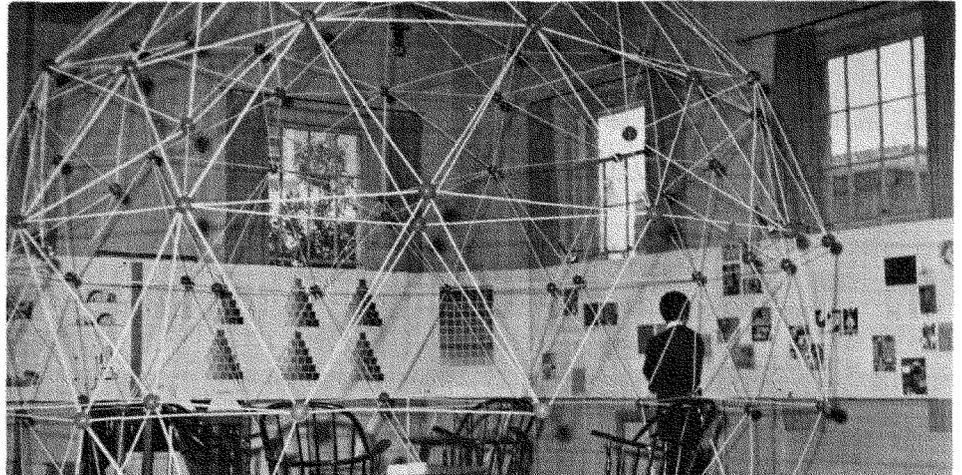
SCIENCE FOR THE PUBLIC LECTURES SERIES

Wednesday, April 11 at 8:00 pm
West Hall
Prof. Frans Bruin on
THE CREATION

Mathematics Colloquium

Eighth meeting of 1972-73:
Speaker: Prof. Gerald McGlothin, Department of Electrical Engineering.
Subject: «State Variable Model of Linear Partial Differential Equations.»
Date: Friday, April 13, 1973.
3:30 pm Tea.
4:00 pm Paper
Place: Room 122 Bliss Hall.

Exhibition on Architecture



Geodesic dome

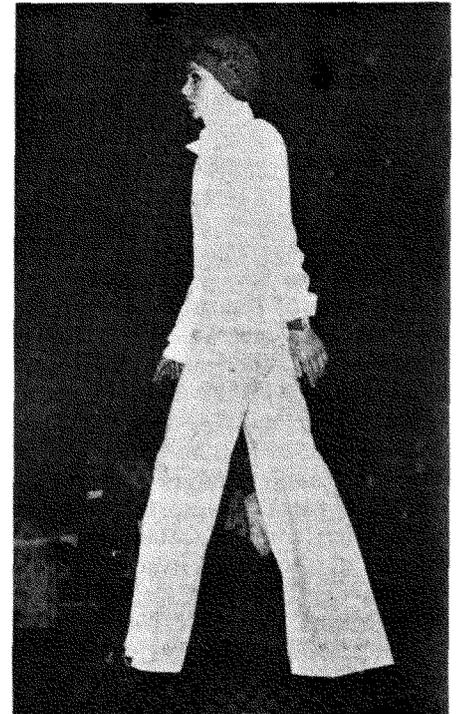
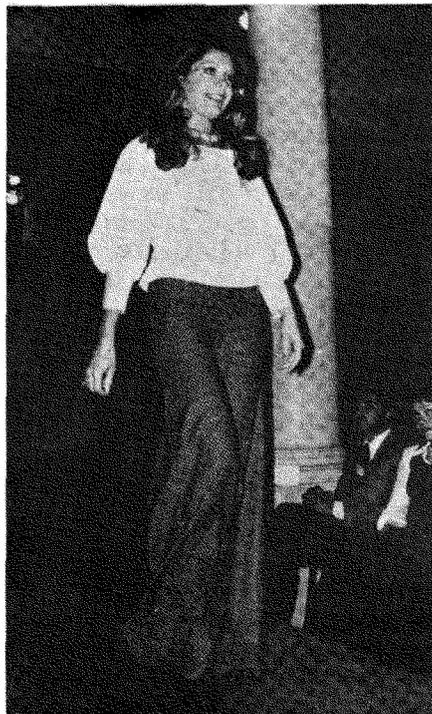
A 6-day exhibition held at West Hall by students of the Faculty of Engineering and Architecture is just over.

One of the main features of the exhibition was a geodesic dome designed and executed by students of Architecture class of '75 with the help of the Faculty workshops. The dome, a small five meter diameter model made of steel rods is the first to be designed in Lebanon and the Middle East.

This geodesic dome can span over large areas, as large as a town altogether at very low cost, and fast. The construction of the model exhibited took three hours.

Other features of the exhibition were final projects of graduating students and other various works. Among the final projects were designs for the Lebanese National Conservatory and for an IBM center.

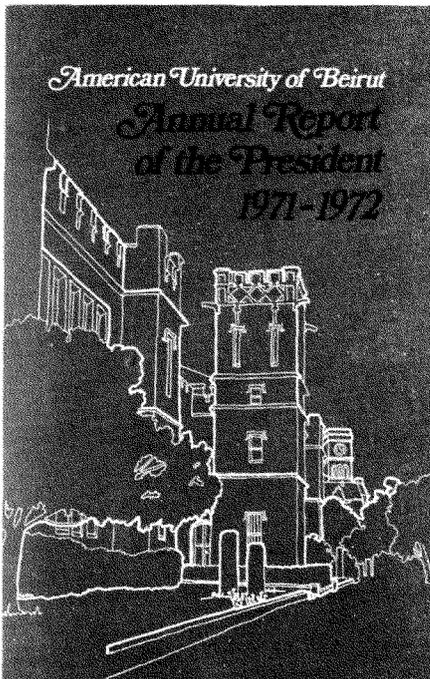
Fashion Show on Campus



The fashion show organized last week by the Business Students Society of AUB drew more than 200 young members of the community to

the common room of West Hall where a good number of styles for men and women were elegantly paraded.

Annual Report of the President



The President's annual report for the past academic year was printed this week. Copies of the report will be mailed to all faculty and alumni during the next two weeks. Copies for students will be available at the West Hall Office.

Additional copies may be obtained from the Office of Development.

Mr. Page Elected Chairman of Board of Trustees

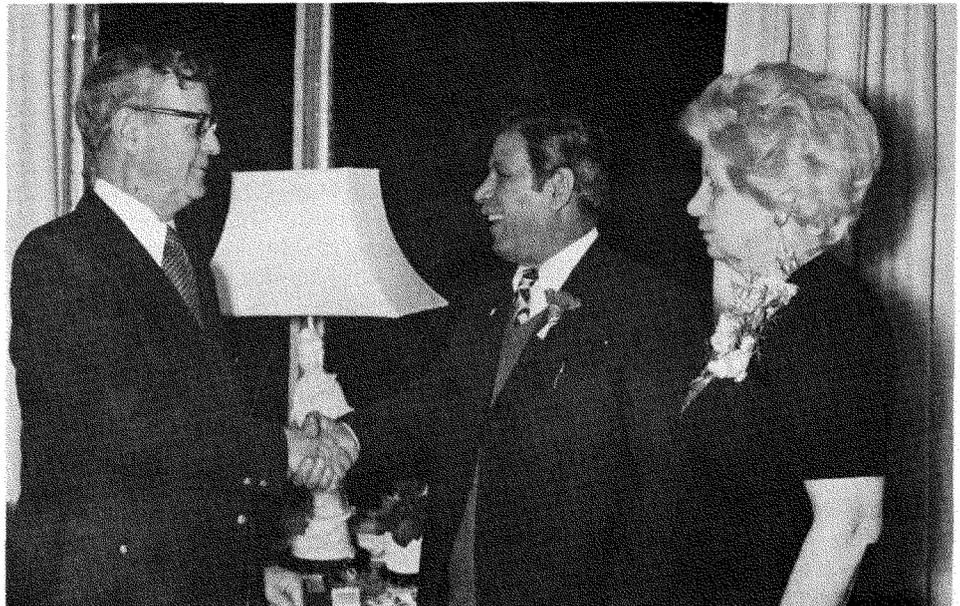
Cont'd from p. 1

He went on to say: «The important principle is that AUB function as a team where no one is indispensable and the significance to the team of a board of trustees is that they are too frequently the only ones that ask the pivotal questions. This is their power and what we need is a climate which accepts and encourages question-asking.»

In concluding, Dr. Plimpton said:

«I am simply delighted with the team of Howard Page and Parker T. Hart, and I pledge my enthusiastic and enduring support of the American University of Beirut.»

Dean S. P. Swenson Honors Faculty and Staff



Dean Swenson congratulating Mr. and Mrs. Khashadurian

Dean and Mrs. S.P. Swenson of the Faculty of Agricultural Sciences held a reception at their residence at AUB early last month in honor of Prof. and Mrs. K. Berger who joined the Faculty recently. Dr. Berger is professor of soils and Chairman of the Soils and Irrigation Department.

At the reception, Dean Swenson announced that Mr. Yusuf Khashadurian, AREC Superintendent, has completed his 20 years of service to the University, and he was presented with the appropriate service pin by Prof. James W. Cowan, Associate Dean of the Faculty of Agricultural Sciences.

School of Nursing Open House

More than 500 students and teachers from secondary schools in various parts of the country together with parents attended the Open House of the School of Nursing which was held last month.

The Director of the AUB School of Nursing, Miss Esther L. Moyer spoke to the guests about the Bachelor of Science in Nursing (BSN) and Diploma programs. She also spoke in detail of admission requirements, curriculum and the many opportunities for the employment and advancement of graduates in the whole Middle East

area.

Slides showing the different aspects of the life of a Nursing student at AUB were projected by Mrs. Falak Beyhum, Recruitment Counselor and narrated by Miss Wadad Khalaf, Assistant Professor of Nursing.

Small groups of prospective students, led by AUB nursing students toured the Campus and Hospital before gathering for tea in the new school building lounge which was pleasantly decorated by floral arrangements.

Book Donated

The Medical Library has received a copy of Dr. Sami Hamarneh's «Temple of the Muses and a History of Pharmacy Museums», through the generosity of Dr. William H. Shehadi of Connecticut who described this book as

an immeasurable contribution written with authority and accuracy by a scholar whose presentation is enriched with a refreshing style of expression, stemming from the prose poetry of his Arabic mother tongue.

15-Year Service Pin



Prof. Baramki presenting pin to Mrs. Bridi

Prof. D.C. Baramki, Curator of Museums presented early this month a 15-year service pin to Mrs. Evette Bridi, secretary at the Archaeological Museum. Provost Samir K. Thabet and members of the department were present.

Prof. Schwertmann visits AUB

Professor Dr. Udo Schwertmann, Director of the Institute of Soil Science at the University of Munchen, West Germany was recently invited by Prof. Antoine Sayegh of the Faculty of Agricultural Sciences to visit AUB and the Lebanese research stations both in Tel-Amara and Fanar. The purpose of this visit was to discuss the genesis and properties of red soils in Lebanon. Prof. Dr. Schwertmann is a world authority on the genesis and properties of oxides found in soils.

He gave two lectures at the Faculty of Agricultural Sciences during his visit last month. The first lecture was entitled «Iron oxides, occurrence and formation in soils,» and the second was on «Work in progress at the Institute of Soil Science at Munchen.» In addition, Prof. Schwertmann made several field trips to the Akkar and Beqa'a plains and to South Lebanon.

Librarian Assists in Potential Survey

Mrs. Aida Naaman of the Central Jafar Memorial Library staff was recently elected member of the committee which the Ministry of Planning has formed to prepare the forms intended for the census of qualified Lebanese potential and university graduates.

World Authority on Chinese Porcelain Gives One Lecture at AUB

Dr. Margaret Medley, B.A., F.S.A., Curator of the Percival David Foundation of Chinese Art, University of London, is to visit Beirut between April 8-15, as guest of the British Council. Miss Medley is one of the world's authorities on Chinese porcelain, particularly of the Ming period. She is especially interested in the relationship between Chinese porcelain, imported to the Middle East in large quantities in the medieval period, and Islamic pottery; and she will give two lectures in Beirut on the various aspects of this topic.

Miss Medley received a B.A.Hons. Degree in Classical Chinese in 1950, and was appointed first as Chinese Librarian to the Courtauld Institute of Art, London. She also lectured in the Victoria and Albert Museum, and at the University of London, on Chinese Art. In 1959 she was appointed Curator of the Percival David Collection of Chinese Art, an outstanding collection of Chinese porcelain willed to the University of London on his death by its founder, Sir Percival David. She has catalogued and published extensive parts of the collection, and written numerous articles, mainly on Chinese porcelain. She has lectured and researched in the United States, in Japan and the Far East, and has a wide knowledge of the subject. In recent years she has been particularly interested in the inter-action between Chinese art and Islamic art, and the reciprocal influences they have had on



Chinese porcelain dish of the fourteenth century, exported to the Middle East: collection H.E. Henri Pharaon.

each other.

It is well known that many pieces of Chinese porcelain have been found in Syria in recent years, and her two lectures will be of particular interest to collectors and scholars in general. Her lectures are being sponsored jointly by the British Council, and the AUB Department of Fine and Performing Arts. Her first lecture, at the British Council, Ras Beirut, on Monday April 9 at 7 pm, is entitled 'Chinese porcelain and the Near East Trade'; the second lecture, to be held at West Hall, 7 pm on Wednesday, April 11, is on 'Chinese influence on Islamic pottery'. Miss Medley is also lecturing in Istanbul, Ankara, Tehran, and Cairo.

SMEC Assistance to Sudan

Professors George Zarour and Victor Billeh of the Science and Mathematics Education Center (SMEC), spent four days recently in the Sudan as consultants to the Ford Foundation. The purpose of the visit was to study with officials of the Ministry of Education and Instruction and other educational institutions, the possibilities of technical assistance in science and mathematics education. They discussed with Dr. Muhammad Khair Uthman, Minister of Education and Instruction different possibilities of assistance and priorities from the point of view of the Government of Sudan. The trip included a visit to the school in the village Bakht el-Rida where 12 alum-

ni are teaching. Bakht el-Rida is a typical example of rural life, and the trip revealed a number of practical problems faced by education in the Sudan.

Professors Zarour and Billeh have declared that they were impressed by the sincere efforts of the Sudan's Ministry of Education to modernize the system of education, particularly in the field of Science and Mathematics.

Already involved in Science and Mathematics educational projects in Lebanon and Jordan, SMEC wants to extend its technical assistance to other areas of the region.

Prof. F. Bruin on Ancient Astronomy

Describing himself as «basically an instrument man,» Prof. Frans Bruin began his searches into the past in 1958 when he joined the faculty at AUB. During a year's sabbatical, he went to Yale University where he studied the history of ancient astronomy. Returning to Beirut, Prof. Bruin began to assess the type of inquiry which he could undertake with the facilities available to him at the University's observatory.

The AUB observatory is the oldest modern observatory in the Middle East, having been originally built in 1874. When Prof. Bruin discovered that the telescope and other equipment in the AUB observatory dated from 1893, when the building had been redesigned to accommodate a new 12-inch telescope, he decided that he might be more successful in investigating the past rather than searching the future.

Since the University is located in the middle of the region where the Greeks, the Babylonians, the Egyptians, and the Arabs conducted most of their ancient astronomical observations, Prof. Bruin decided that he would study the writings of these people in order to discover just how these pre-telescopic astronomers had been able to conduct their observations with such amazing accuracy.

Concerning himself only with writings which dealt with the construction and use of primitive astronomical instruments, he set out to study the available scientific texts on Arab astronomy. When he found that the Arab astronomers were usually expanding on what the Greeks and the Babylonians had observed before them, Prof. Bruin turned his attention to the Greek and Babylonian writings on astronomy.

The Babylonians, according to Prof. Bruin, used no instruments whatever in conducting their observations. In order to verify and attempt to understand how they had been able to be so precise in their computations, he visited sites where these Babylonian observations had been conducted. He made his own observations, as the Babylonians had done before him, and he began to understand the meaning of the Babylonian texts he had been studying. The Babylonian writings on astronomy were almost always nothing but a series of numbers. Dr. Bruin



Prof. Bruin holding an astrolabe, an instrument used by ancient Greek and Arab astronomers to cast a horoscope.

believes that he has found how these figures were obtained. The Arabs recognized the importance of the Greek writings on astronomy. They assiduously copied and translated the Greek texts into Arabic, thus preserving for modern science much of what the Greeks had discovered. Their translation was extremely accurate and faithful to the original. If the translator found what he considered to be an error in the Greek text, often he would not interpolate his own ideas into the text itself, but would write his comments in the margin—leaving the translation unadulterated.»

Prof. Bruin also points out that the Arab astronomers criticized previous observations. They built copies of the Greek instruments and made attempts to improve on them. He also gives the Arab astronomers credit for helping to introduce astronomy into Europe.

The European observatories prior to 1600 were all simply a continuation of instruments found in Arab observato-

ries. The Arab astronomers settled in Constantinople, North Africa and Spain, and gradually their activity in astronomy and the instruments they used began to create an interest in the scientific community in Europe. This was basically the situation in European astronomy until the time of Tycho Brahe.

In his quest for understanding the ancient observers, Prof. Bruin has spent a good deal of time in furnishing a medieval laboratory in the mountains of Lebanon. Here a number of ancient instruments which he built for the purpose were put to the same uses of 2000 years ago.

Although he does not feel that his own work at AUB will necessarily enhance man's current thrust into the remote reaches of space, he feels that he and the University are making a contribution to science all the same, through providing a basic understanding of how these early observers paved the way for today's astronomers.

Chief Hospital Pharmacist

The Director of the American University Hospital has announced the appointment of Mr. Salim Jarawan as Chief Hospital Pharmacist.

Mr. Jarawan, a graduate from the AUB School of Pharmacy with an M.S. Degree, was sent by the University for

a one year internship in Hospital Pharmacy to the University of Michigan Medical Center.

As Chief Pharmacist Mr. Jarawan is in charge of the Hospital Pharmacy and the Central Sterile Supply Department.

AUB In The Press

Difficulties Will Be Overcome

The local press has been devoting much space to reports and interviews on the decisions taken last month in New York by the Board of Trustees. President Samuel B. Kirkwood was quoted late last month as saying he was optimistic the University would overcome its present financial difficulties, and stressing that all faculty, staff, students and alumni should do their utmost to assist AUB.

New Course on Gibran, Naimy and Rihani

The New York *Heritage* reported that the Department of English at AUB has launched a new course on Gibran Kahlil Gibran, Mikhail Naimy and Amin Rihani. The paper pointed out that this is the first time that such a course is introduced in both Lebanon and the Middle East. *Heritage* quoted Prof. Suheil Bushrui as saying that the texts assigned will be studied as works in their own right and as documents reflecting the responses of the authors to the immediate artistic and cultural problems they faced in both America and the Arab World.

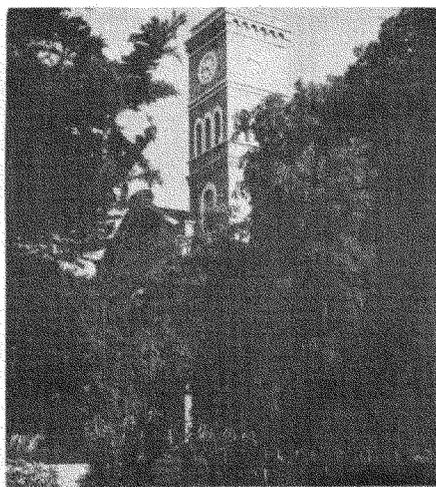
Tobacco Smoking

The press conference held last month at Parliament House downtown and attended by Doctors Philip Salem and Fuad Jubran of AUH to discuss the dangers of tobacco smoking, was covered by the major papers. Both doctors based their talks on information already contained in papers prepared by them.

Mass Communications

The open seminar held last month by three leading journalists — Mr. Robert Stevens of the *Observer*, Mr. Jean Lacouture of *Le Monde*, and Mr. Igor Belyaev of *Pravda*—with AUB and Lebanese University mass communications students, were reported, with pictures.

Preeminence



College Hall (1873)

The Higher Education Supplement of *The TIMES*, London, published last month a 3-column story by Professor John Munro, Assistant Dean of the Faculty of Arts and Sciences who reviewed the history and academic programs of the Lebanon's four major universities and seven other institutions of higher learning. He described AUB as preeminent in the country's higher education system. A picture of College Hall topped the story which was headed: Lebanon — Pluralistic system begins to change.

Trombone

The English language weekly *Monday Morning* reviewed last month the trombone recital given recently in the Assembly Hall.

Prof. Taylor on Forgery

A long article headed: «The Gentle Art of Forgery — In the Mediterranean Area it is nearly as old as Coinage,» by Prof. George Taylor of the Department of English was reprinted in *The Observer-Dispatch*, Utica, N.Y., with permission, from *Aramco World* magazine.

Ras-Beirut



View of Bliss St. and the Medical Gate as it looked in the late 1920's.

The three weekly supplements of *An-Nahar* appeared last month in one supplement devoted in its entirety to reports on the progress of Hamra and Ras-Beirut. A 2-page article reviewed the role AUB played in the progress of Ras-Beirut.

Popular

The *Wall Street Journal* has published a two column article headed: American University in Beirut Still Popular With Arab Students Despite Area Tension.

The writer, Mr. Ray Vicker, who visited AUB early this year, quoted President S.B. Kirkwood, as well as the deans of the faculties of Agricultural Sciences, Engineering and Architecture and Medical Sciences in describing the role of AUB and its various functions.

Oilman Was Here For Two Years

In a story, headed: «After Years in Oil Fields, Geologist Turns to Orchards,» the *Fort Worth Star-Telegram* reported that Mr. Richard Shaheen who spent many years in the oil fields of West Texas working with his father and brother in Shaheen and Sons oil firm before starting apple orchards, had studied for two years at AUB.

Holidays For Non-Academic Personnel

The Director of Personnel has announced that the following days will be University holidays for non-academic personnel:

1. Prophet's Birthday — Monday, April 16. (Since the Prophet's Birthday falls on a Sunday (April 15) the next day, Monday, April 16 will be observed as holiday.)
2. Good Friday — April 20, 1973
3. Easter Monday — April 23, 1973
4. Labor Day — Tuesday, May 1
5. Martyrs' Day — Monday, May 7. (Since Martyrs' Day falls on a Sunday (May 6) the next day, Monday, May 7 will be observed as holiday.)

Members of the Orthodox Church may elect to work on Friday, April 20 and Monday, April 23 and have the following days instead as authorized days off:

- Good Friday — April 27
Easter Monday — April 30

Three Lectures on Psychology

The Psychology Department and the Psychology Student Society invite you to attend three lectures by :

Dr. Richard Younis

Director, Clinical Psychology Training Program

Catholic University, Washington

Thursday : April 5th. 5:30 p.m.

THE CURRENT UNEASY STATE OF CLINICAL PSYCHOLOGY

Thursday : April 12th. 5:30 p.m.

A SEARCH FOR PERSONALITY:
A BRAINSTORMING HOUR

Wednesday : April 18th. 5:30 p.m.

A SEARCH FOR PERSONALITY:
A PLAN OF ATTACK

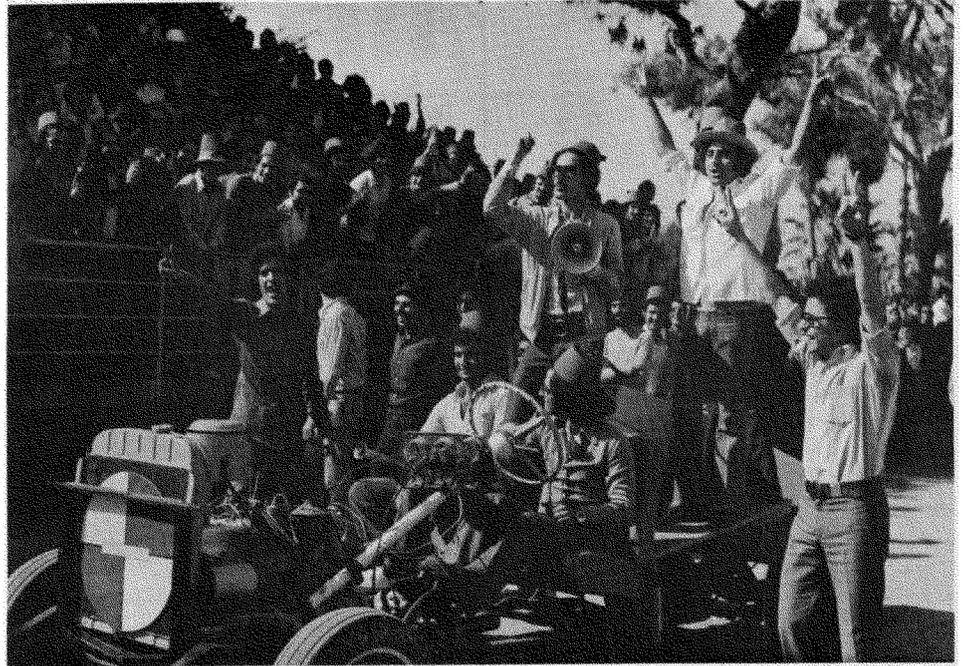
ALL IN AUDITORIUM B WEST HALL

ALL ARE WELCOME

Contributions Sought By "Voices"

Voices. The Journal of the English Readers' Society is in its second year of publication and welcomes poems, stories and articles (preferably on literary subjects) for publication. The deadline to submit material for publication to A. Choukassizian, Jafet Library is April 16.

Arts & Sciences - Engineering Football Match



Victory !

The traditional game between Arts and Sciences and Engineering which was played last Saturday was won by Arts and Sciences. The up-to-date account of this game is now as follows :

Games played 38

Arts and Sciences won 19 games and scored 84 goals.

Engineering won 13 games and scored 67 goals.

Tied 6 games.

On Friday morning motivation parades and thousands of caricature announcements from both faculties appeared on campus, and most of them had a good sense of humor.

The two faculties arranged the game parade on Saturday at 2:00 p.m., each school in its own domain. Posters with slogans, jeep cars, sports cars, and even decorated mule carts were at the field to announce the start of the friendly battle and fire crackers and rockets added to the excitement.

The game started on time and was watched by the President, Deans, and many professors, together with a very large crowd of students and spectators who were even standing in the side lines of the playing area. The two teams exchanged flower bouquets and went off to a very enthusiastic start. After a few minutes the Engineers committed a penalty which cost them

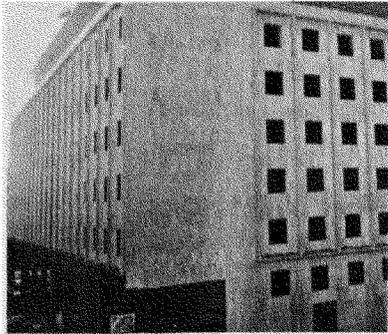
a goal. They attacked the goal of the Arts and Sciences to equalize, but after 15 minutes Abdur-Rahman Munnasser of Arts and Sciences scored a second goal, and thus widened the gap between the Engineers and victory. The Engineers increased their attacks on the Arts and Sciences, but the goal keeper Paris Papaellinas from Freshman was exceptionally alert and spoiled most of their attacks. Finally, the experienced Engineering captain, Ahmad Kamaruddin scored a good goal which gave the Engineers hope and encouragement. The first half time finished with 2 — 1 in favour of Arts and Sciences.

The second half time was a continuous exchange of attacks on both goals without results until Ahmad Ramadan, the champion tennis player of AUB, scored for Arts and Sciences their third and last goal of the game.

The Director of Athletics, Mr. Abdus Sattar Tarabulsi has praised the sportsmanship of this game. The two teams played hard, but not dirty, and when one fell the nearest member of his opponents helped him up.

The game was held under the auspices of the President of the Student Council who presented the cup to the Arts and Sciences team amidst cheers and songs. Last Saturday afternoon proved again that AUB has an abundance of school spirit and enthusiasm.

13,000 Inpatients Treated at AUH Last Year



Recent statistics show that 13,000 inpatients were treated at AUH during 1971-1972, among them 8,700 patients from Lebanon and around 3,000 patients from the Arab countries.

The proportion of Lebanese and Arab patients treated at AUH last year was 90% of the total number of patients. The remaining 10% of patients came from countries in the Middle East and other parts of the world.

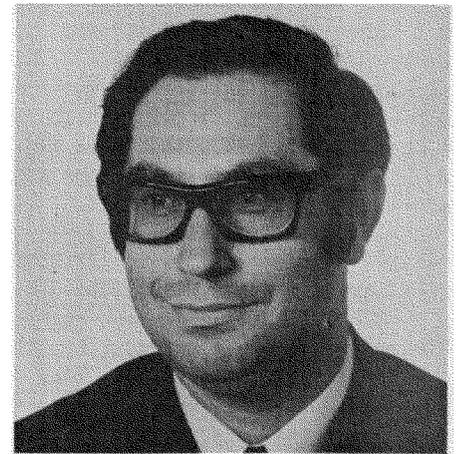
Last year's patients belonged to more than sixty nationalities from five continents, and included Arabs, Americans, Chinese, Japanese, Indians, Australians, Africans, and others.

It is worth mentioning that with the opening of the tenth and last floor of the hospital, 420 rooms are now available for patients. Moreover, when Phase III of the Medical Center is completed in the summer of 1974, the hospital, which is the Medical Center of the American University of Beirut, will be fully equipped to provide higher medical studies in addition to its available facilities for various medical treatments.

Parasitic Weeds Research Group Established

At the meeting of the European Weed Research Council (E.W.R.C.) held in December 1971 in Paris, a proposal was submitted by Prof. Abdur-Rahman Saghir, Associate Professor of Weed Science of the Faculty of Agricultural Sciences and Mr. Chris Parker of the Weed Research Organization in England, for the establishment of a research group on parasitic weeds. The proposal was approved and as a result it is hoped to promote active communication and collaboration between research workers interested in the biology and control of parasitic and hemiparasitic weeds.

The establishment of the group was prompted particularly by the knowledge that *Orobanche* species are causing serious concern in many South and East European countries, and that active research is in progress in many of these countries as well as in Lebanon. The purpose of the group is therefore to make workers in these countries more familiar with each other's activities through correspondence, and to progress as rapidly as possible towards a meeting of as many as possible of these to discuss developments in the control of *Orobanche* and other parasitic weeds such as *Cuscuta* and *Striga*.



An International committee has been formed to organize a symposium on parasitic weeds in Malta, April 10-14. The Organizing Committee consists of Professor W.G. Edwards, University of Malta; Mr. L. Kasasian and Mr. C. Parker from the Weed Research Organization, England; Dr. W. van der Zweep from Wageningen, the Netherlands and Professor A.R. Saghir from AUB.

Professor Saghir will be presenting a paper entitled «Studies on the biology and control of *Orobanche ramosa* L.» in Malta. He will also preside over the session pertaining to the physiology of *Orobanche*. Before going to Malta, he will be visiting the University of Libya.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

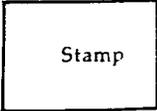
Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To :



.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 21

THURSDAY, APRIL 12, 1973

Campus Reopened

After a lengthy meeting with the University Senate on Tuesday afternoon, April 10, President Samuel B. Kirkwood made the following announcement:

The University is aware of the serious situation within the country following Tuesday's Israeli attack. At the request of the Student Council, and to make its facilities available to help in this circumstance, the University announces the reopening of the campus to its students as of 18:30 April 10th.

The announcement of the resumption of classes will be made at a later date.

Classes were suspended after last Friday's incidents which involved a number of AUB students who assembled before noon and marched through Bliss Street, but when they tried to head towards Hamra, they were stopped by security forces and driven back into the campus. A confrontation ensued at the Main Gate. The stand-off, missile-throwing melée continued until dusk.

AUB students were on strike last Friday for the second day in response to the call made by the committee formed at the congress of education which was recently held by various student organizations in Beirut.

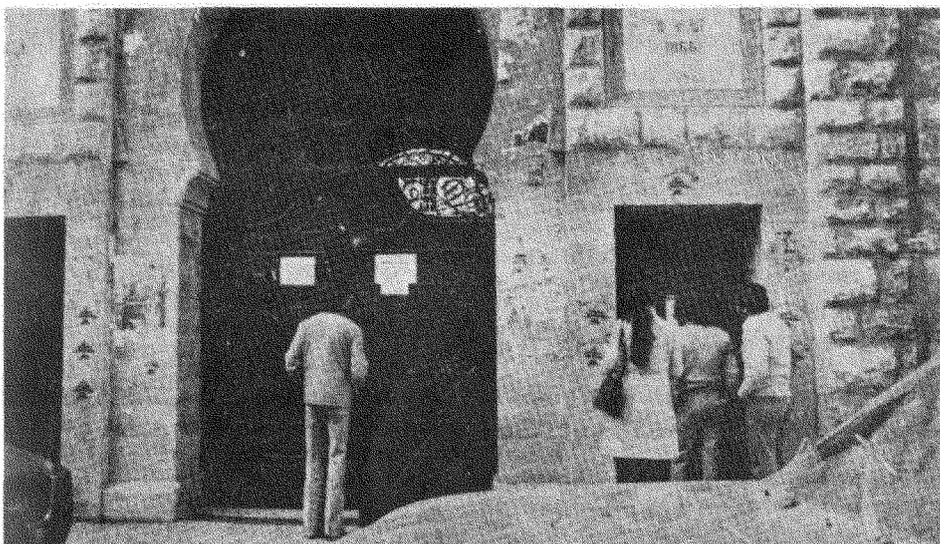
Personal injuries during the Friday melée were minimal but there was property damage in Ada Dodge Hall, Fisk Hall and the New Men's Dormitory estimated at several thousand Lebanese pounds.

In the evening of the same day, President Samuel B. Kirkwood said in a statement that he regretted to announce that in view of the disturbances and to prevent further violence, classes were suspended as of the

(cont'd on p. 5)

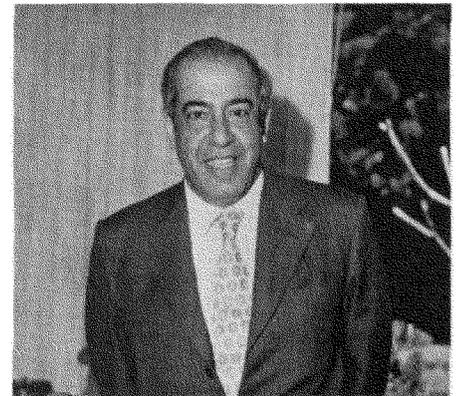
Early on Tuesday, April 10, right after the attacks on Beirut and Saida, the University placed the services of the AUB Hospital at the disposal of the authorities and injured.

The hospital had at dawn on Tuesday already received a number of casualties.



The closed Main Gate before the campus was reopened.

H.E. Youssef Ahmed Shirawi Elected AUB Trustee



H.E. Youssef Ahmed Shirawi

The Chairman of the AUB Board of Trustees in New York, Mr. Howard W. Page has announced the election of H.E. the Minister of Development and Technical Services in Bahrein, Mr. Youssef Ahmed Shirawi as member of the AUB Board of Trustees.

Mr. Shirawi is the first university graduate in Bahrein. He holds a B.A. Chemistry (1950) from AUB and a M.A. Chemistry from the University of Birmingham, UK.

Mr. Shirawi has held various Government positions in Bahrein. He was Assistant Director of Finance, Director of the Oil Bureau and Director of Development and Engineering Services prior to his present Cabinet post. Mr. Shirawi is also member of the Board of Gulf Aviation and of the Board of the Organization of Petroleum Exporting Countries (OPEC), and he represented Bahrein at the negotiations for

(cont'd on p. 7)

STOP PRESS

Following a meeting of the University Senate today, Thursday, in the afternoon, President Samuel B. Kirkwood announced that classes will be resumed tomorrow, Friday morning.

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for preschool children is available in the Chaplain's residence just behind the Observatory.

Professor Paul Holmer of Yale University will be guest preacher on Sunday, April 15.

SATURDAY, April 14

- GEOLOGY STUDENT SOCIETY
- DANCING PARTY, West Hall Common Room, 8:00-12:00 pm.
- CHEMICAL STUDENT SOCIETY
- PARTY, Mary Dodge Hall, 8:00-12:00 pm.

MONDAY, April 16

- CONCERT — CANTATA «SON OF MAN FROM PALESTINE» (Ecumenical Choir), Assembly Hall — AUB, 9:00 pm. Tickets: LL 15, 10 and 5.

TUESDAY, April 17

- ORGAN CONCERT (International Organ Series) Pierre Cochereau (of Notre Dame de Paris), Assembly Hall — AUB, 8:30 pm. Tickets: LL 15, 10 and 5.

A lecture on «The Arab Contribution to Medicine» will be given by Dr. Farid S. Haddad on Wednesday April 18, at 7:00 pm in the AV-Room at AUH.

WEDNESDAY, April 18

- PIANO RECITAL BY JACQUES COULAUD, Assembly Hall — AUB, 8:30 pm. Tickets: LL 15, 10 and 5.

WEDNESDAY, April 18

TO

SATURDAY, April 28

- STUDENT COUNCIL — TRIP TO RUSSIA.
- STUDENT COUNCIL — TRIP TO POLAND.

SATURDAY, April 21

TO

SATURDAY, April 28

- PHARMACY STUDENT SOCIETY — TRIP TO VIENNA.

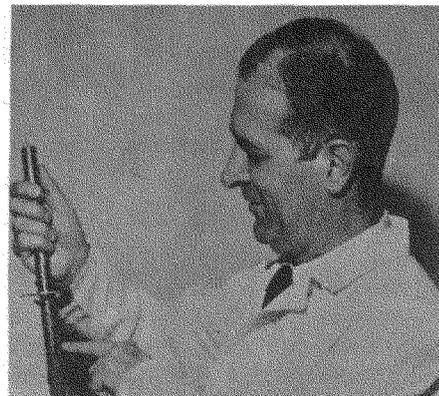
Alumnus Speaks of His Invention

The AUB Faculty of Engineering and Architecture arranged two days ago for a lecture given at the Alumni Club by Dr. Karim W. Nasser, Professor of Civil Engineering at the University of Saskatchewan, who spoke of the 'K' Slump Tester, the device he invented and which can measure the consolidation of concrete after it is placed in the forms.

Dr. Nasser was born in Shweir. He graduated from AUB in 1949 as a civil engineer and left for Canada where he obtained his doctorate in civil engineering.

Before his present short visit to his birthplace, Dr. Nasser was invited to London to speak of his invention in an address to a conference of engineers and scientists from all over the world.

The 'K' Slump Tester is a calibrated, hollow tube about 12 inches long and 3/4 inches in diameter which can be inserted into fresh concrete by hand. It has a solid, conical end for easy insertion, a round disc that controls the depth of penetration, and two groups



Dr. Karim W. Nasser

of openings through which the wet concrete can enter the tube. The level of concrete retained in the probe after it has been withdrawn provides an index of water content and the degree of compaction which are both related to the workability of concrete.

Dr. and Mrs. Nasser established in 1968 the Karim W. Nasser Educational Loan Fund to assist qualified students at AUB.

Nursing Activities

The Committee on Continuing Education at the AUB School of Nursing is sponsoring a 2-day conference on community health, May 9-10, at the Alumni Club.

The conference, on «Youth: Changing Times and Values», is designed to develop awareness in the professional nurse of changing forces which affect youth in the Middle East. Current concepts and approaches in meeting the needs of young people will be discussed.

The program includes the following topics: drug use and abuse, health and hygiene, alienation and suicide, communal life, marriage and divorce, abortion and contraception, women's rights, walk-in clinics, crisis centers,

neighborhood houses, youth groups, health education, and the role of nurses with youth.

The Nurses Chapter of the Alumni Association will be conducting a one day seminar on «Cancer Nursing» to be held one day later on Friday, May 11, also at the Alumni Club.

The following is the seminar's tentative program:

- Prevention and detection of cancer
- Medical aspect of cancer
- Nurse's role in cancer nursing
- Health hazards of smoking
- Incidence of blood dyscrasia in Lebanon

«Should the patient know he has cancer» will be the subject of a panel discussion.

Easter Musicale

The Easter Musicale will be given on Palm Thursday, April 19, 1973 at 7:30 pm Assembly Hall.

The University Choir and soloists (60 voices) with orchestra and organ (30 musicians) — conducted by Prof. S. Arnita.

Program : Excerpts from Handel's

Messiah and works by Vaughan Williams, Widor, and Mozart.

Tickets at West Hall Office and Library Khayyat

Prices : LL. 5 - 3 - 2 - and 1

Net proceeds to Fine and Performing Arts Student Scholarship Fund.

Shakespeare Influenced By the East

The fifth lecture in the Byron Porter Smith Lecture Series, sponsored by the AUB Department of English, was given late last month by Mr. Paul Gotch, representative of the British Council in Lebanon who spoke of the influence of the east in the plays of Shakespeare.

The lecture, at West Hall, was well attended. The guest lecturer likened Shakespeare to «a monumental archaeological site which has survived the centuries due to the constant excavation works still being carried out.»

He pointed out that at the Arab conquest of the lands lining the Mediterranean basin, the culture of Islam affected the literature of Western European countries, as works of all nature were eventually translated into Spanish, Italian, Latin, French and English.

Shakespeare was a working man of the theatre, who produced within 20 years 36 plays, 150 sonnets, a score of songs and two major poems. Mr. Gotch thought it more than likely that Shakespeare would use translations available then of any of the authors he wished to study and employ.

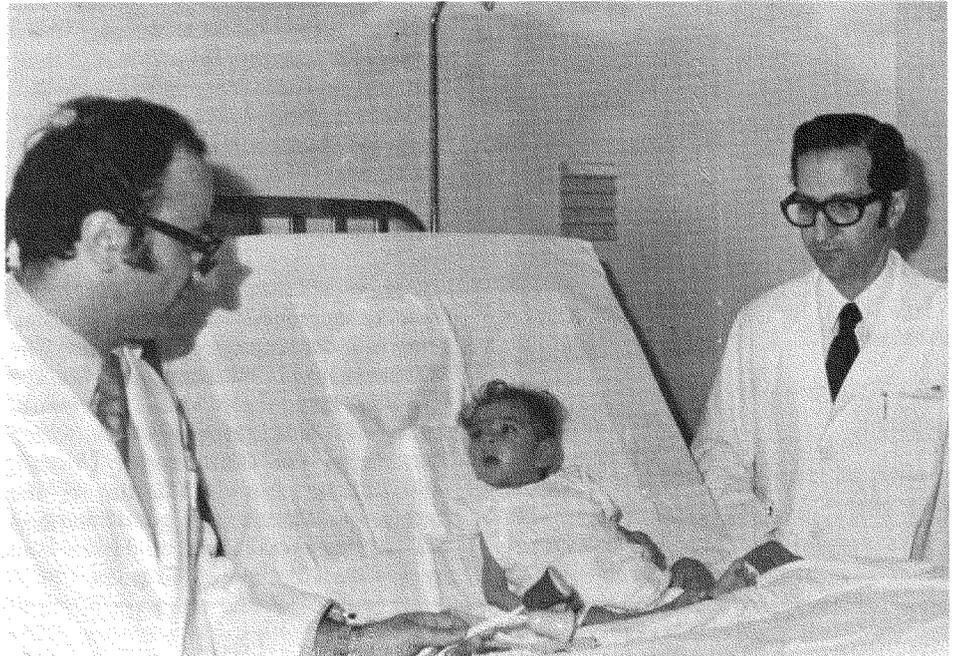
Mr. Gotch remarked that apart from the eleven plays which are set in Britain, almost all the others lie in the Eastern sector, stretching from Rome, through Athens, Troy, Ephesus, and Tyre.

The lecturer believed that Plutarch was the greatest single influence of the East on the playwright. Between Plutarch's biographies of Pompey and Caesar was that of the Greek, whom the lecturer described as the greatest of them all, Alexander of Macedon, a legend in his life time, a fable ever since.

Asking why, then, did not Shakespeare write a play about Alexander, Mr. Gotch replied that with Henry V, Anthony and Hamlet created already, there was no further need.

Speaking of the period when the poet suffered extreme personal unhappiness, Mr. Gotch said there was no reason why the Dark Lady of the sonnets should not have been of eastern origin, a dark-haired beauty from Lebanon, Armenia or Egypt, who provided the playwright with the model for Cleopatra, so vividly drawn.

Congenital Biliary Obstruction Operation Performed at AUH



Doctors Bitar (left) and Slim with their patient.

An intricate operation was carried out on a three and a half month old boy who was being treated by Dr. John Bitar from the Department of Pediatrics at AUB.

The infant, a Jordanian, was noted to be jaundiced soon after birth. Contrary to other new borns, his jaundice persisted and the doctors in Jordan advised his parents to bring him to the AUB Hospital for treatment. In order to clarify the clinical picture, Dr. Bitar performed a needle biopsy of the liver which showed findings compatible with biliary atresia or obstruction, a condition necessitating surgical intervention.

Dr. Michel Slim, from the Department of Surgery, explained that the surgical repair was done in two stages. The first stage of the operation, which was of three hours duration, consisted of an exploratory laparotomy. The bile ducts outside the liver were found to be completely obstructed and thread-like, and the liver enlarged and finely nodular. The ducts were traced to the place where they joined their counterparts inside the liver, but no open channel was detected. Nevertheless, the surgeon made a dissection in the liver substance at the level of the bile ducts where he left a drain which he brought out of the wound. On the

same day of the first operation, bile started to flow out of the wound. It was calculated that 300 ml. of bile were being produced every 24 hours. The liver function improved remarkably after this procedure.

Again, three weeks later, Dr. Slim performed the second operation. He followed the drain and found an encapsulated tract formed of fibrous tissue around it. During this major operation of about five hours, he constructed a 15 cm graft from the baby's small intestine and used it as a conduit to connect the hilum of the liver to the proximal part of the jejunum.

Doctors Slim and Bitar stated that the infant had done very well post-operatively; he added in weight; his jaundice decreased; and his stools became colored for the first time in his life indicating that bile was reaching the intestines. Two weeks after the operation, the baby was discharged in good condition.

This intricate operation, which was done by a Lebanese doctor, is considered a medical feat, since it is still in its experimental phase and performed only in few centers over the world. *Time* magazine, in its issue of February 19, 1973 reported a similar pioneering operation performed in Japan.



The Prophet's Birthday



On the occasion of the Prophet's Birthday which falls on Sunday, April 15, and is observed as an official and AUB holiday, Prof. Sayed Husain Jafri of the Department of Religious Studies has written the following to explain this auspicious event:

The birthday of the Prophet, commonly known as Mawlid an-Nabi, is the finest expression of reverence to the Prophet Muhammad. It has found almost general recognition in Islam and fulfills a religious need of the followers. The Mawlid is a celebration or an act of homage to the Prophet, and a time for general rejoicing and meeting of friends as well as religious observances.

It is natural that Muslims celebrate the remembrance of the Prophet's

birthday. Nevertheless, it is not recorded that they celebrated this blessed anniversary in the Prophet's life-time, nor yet in the early Muslim period. From the 4th century onward, especially when mysticism became an integral part of Islamic religiosity, the Mawlid celebrations found an universal observance in the entire Muslim world.

The essential features of the celebration consist mainly of religious assemblies in mosques and other places. The Muslims illuminate and decorate the mosques and their houses, organise functions and gatherings in which they recite the Quran, offer prayers, eulogize the life and deeds of the Prophet and revive his good memory. Special feasts are held, and food and money distributed to the poor.

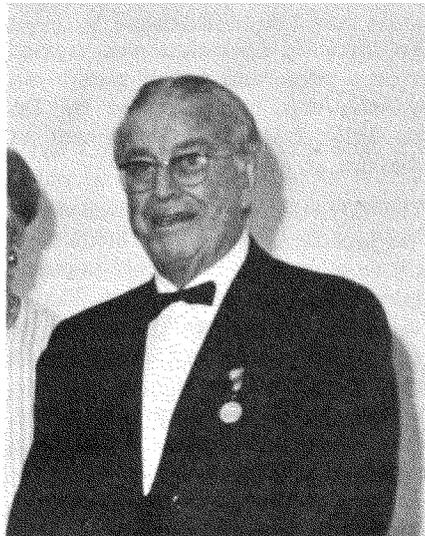
Dr. G. Donald Sherman Dies

Dr. G. Donald Sherman, who spent the past three academic years (September 1969-July 1972) with AUB as chairman of the Department of Soils and Irrigation and professor of Soils at the Faculty of Agricultural Sciences, died last month in Hawaii at the age of 68.

Before coming to AUB, Professor Sherman had served for 25 years as Director of the Soils Department at the University of Hawaii where he built up the department to one of the six best schools for soils in the world and the best one in tropical soils.

While with AUB, Professor Sherman worked with the Lebanese Agricultural Research Institute on a co-project trying to translate some of the work he did in Hawaii for the conditions prevailing here in Lebanon. He also worked on a soil sampling project.

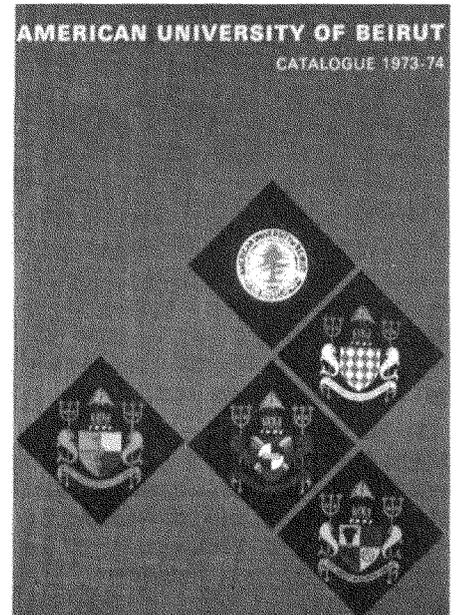
Professor Sherman earned his Bachelors and Masters in Soils at the University of Minnesota, and his doctorate from Michigan State University. Last year, in March, he was presented with the University of Minnesota Award for Outstanding Achievement in recognition of his distinguished work over the last thirty years. The award was presented at a ceremony in Marquand House by President Malcolm Moos of the University of Minnesota who made a special stop in Beirut for this purpose.



Professor Sherman was considered one of the US best-informed scientists on tropical soils and muck soils, and was an internationally known and respected scholar and teacher. While at the University of Hawaii, he was a special consultant for the US Department of State and for mining and sugar companies in Sudan, Libya and Tunisia.

The University community, and the colleagues, students and many friends of Professor Sherman, offer their sincere condolences and sympathy to Mrs. Minnie Sherman and their son, Keith Marlowe Sherman in their bereavement.

University Catalogue



The University Catalogue for 1973-74 was published early this week and will soon be available for distribution by the Office of the Registrar.

This year's catalogue came out two months earlier than last year's and is printed on lightweight paper. It was edited by Mr. Francis L. Kent, University Librarian and produced by the Office of University Publications.

Professor Uma Kant Shukla Dead

Professor Uma Kant Shukla died at AUH last Sunday, April 8, at the age of 62.

Professor Shukla was associate professor of Mathematics for more than nine years. He was with AUB during 1957-58 and 1959-61 as visiting professor, before he joined the University in November, 1963.

Professor Shukla was warmly appreciated by his students and colleagues. As a researcher in mathematics, he made valuable contributions in analysis (real variables).

Professor Shukla is survived by his wife and son who were at the memorial which was conducted at the AUH Chapel on Monday.

The late Professor Shukla's students, friends and colleagues, and the AUB community offer their sincere condolences and sympathy to his bereaved family.

Faculty Honor Dean S.P. Swenson

In recognition of the services of Dean Stanley P. Swenson who is retiring at the end of this academic year, the Faculty of Agricultural Sciences is organizing a dinner in his honor on May 19 at the Carlton Hotel, 8:00 p.m. The social committee of the Faculty would like to offer this opportunity to colleagues and friends of Dean and Mrs. S.P. Swenson to be present on this occasion.

Those who wish to attend are requested to contact Miss Moadie, for reservations. Telephone AUB, 340740 ext. 2713, not later than April 30th.

Campus Reopened

(cont'd from p. 1)

next day, Saturday, April 7th, and until further notice. The libraries were closed and no students were admitted to the campus. The American University Hospital and services related to patient care were, however, maintained.

The decision to suspend classes was taken after almost eight hours of confrontation along Bliss Street between AUB students throwing rocks from inside the campus and helmeted police firing tear gas canisters into groups of students along Bliss Street and across the University wall.

On Sunday night, April 8, President Kirkwood announced that the suspension of classes was to continue on Monday and until further notice. The regular schedule of classes could not be resumed before the safety of students and faculty and the continuation of the academic program were assured. President Kirkwood said AUB was anxious to resume its activities at the earliest possible time, and the decision to suspend classes was taken in order to protect the safety of the students and to prevent further destruction of University property.

President Kirkwood was holding continued consultations with the University Council which was expanded to include the Vice Presidents, the Deans and the Student Activities Committee. Regretfully, the University was forced to cancel or postpone many social and cultural events scheduled to take place on campus while classes were suspended.

National Council For Scientific Research Signs Contract With AUB

Dr. Joseph Najjar, President of the Lebanese National Council for Scientific Research and President Samuel B. Kirkwood have signed a contract whereby a group of AUB physicians and surgeons will conduct a study of the causes that lead to renal stones. Kidney and ureteral stones are highly prevalent in Lebanon and the study aims at looking into methods of prevention of stone formation.

Dr. Joseph Naffah, secretary-general of the Council, announced that this subject is among the most important projects which the Council has supported, and that it has encouraged scientific research in view of the importance of this disorder and its impact on public health in Lebanon. Emphasis will be placed on defining the means of prevention of kidney stones, depending on the information derived about their causes.

Dr. Naffah stated that the grant amounts to 47,000 LL and is renewable for four years. The studies will be conducted in cooperation with the leading hospitals in Lebanon and the coordination of the studies will be



Dr. Joseph Naffah

made at the Endocrine Research Laboratories in the Department of Internal Medicine at the AUB Medical Center. Members of the Lebanese Council for Scientific Research will help in the studies and the cooperation of the Lebanese Urological Society will be solicited. The research at AUB will be directed by members of the divisions of Endocrinology, Nephrology and Urology.

XXIIIrd Middle East Medical Assembly

The 23rd Middle East Medical Assembly will take place in West Hall at AUB from May 3 to 6 inclusive. Since its first session in 1950, this internationally recognized medical assembly has attracted annually several physicians from the Middle East, Europe and the United States who gather to listen to recent developments in the field of medicine and share experiences.

The Assembly this year will deal in the plenary sessions with the important topics of «Nutrition», «Venereal Diseases» and the «Development of Allied Health Manpower», in addition to several symposia designed to cater to specialists as well as to general practitioners in the Middle East. The main symposia will be on «Streptococcal Infection», «Advances in Endocrinology and Metabolism», «Hypertension», «Mental Retardation», «Emergencies in

Office Practice», «Treatment of Cancer», «Urinary Tract Infections in Infancy and Childhood», and «Diseases of the Esophagus».

Specialists with international fame have been invited from the United States and Europe. Together with the medical staff of AUH they will deliver papers on the above subjects.

Dr. Khalil Abu-Faysal, Chairman of the 23rd Middle East Committee has declared that some 600 physicians are expected to participate in the Assembly, among them Doctors K.S. Rao, K. Kiraly and A. Robertson from the World Health Organization (WHO). Registration will start at 9:00 am on Thursday May 3, in West Hall followed by the opening ceremony at 11:00 am. The scientific sessions will start at 2:00 pm on the same day and will continue until 6:00 pm on Sunday, May 6.

Visiting Professor of Pediatrics

Dr. J.T. Jabbour has arrived in Beirut from the US to take up his 3-month appointment as Visiting Professor of

Pediatrics. His visit is made possible through the Commonwealth Fund grant for visiting faculty.

AUB In The Press

Lebanon's Heritage



The weekly *As-Sayyad* devoted its cultural page to an article on the Lebanon's heritage by Prof. Nadeem Naimy of the Department of Arabic and Near Eastern Languages.

Prof. Naimy, who argues that the Lebanon's heritage is its mountain, wonders at this fierce stubbornness whereby the Lebanese, in his mountain, has confronted what cruelty he found in nature or people, and moulded it into mercy and compassion.

Arab Oil

The Washington Post, Washington, D.C., and *Courier Express*, Buffalo, published a long article early last month on the part played by Arab oil money in the monetary crisis which forced a second devaluation of the dollar. The article referred to an Arab League study by Prof. Yusuf Sayigh which concluded that there are some limitations to the use of oil money as a political weapon.

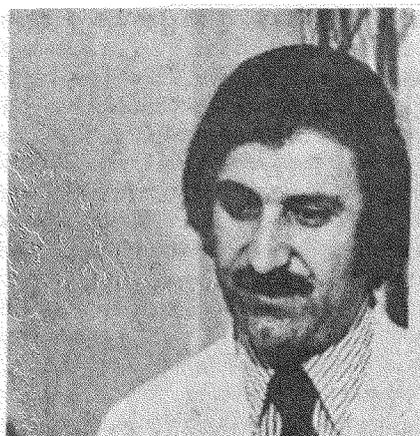
Peace Seminar

The Record Eagle, Traverse City, Mich., which reported that Dr. Fauzi M. Najjar, Professor of Social Science at Michigan State University was to be the featured speaker for the first of five sessions of the World Affairs Seminar, «The Search for Peace in the Middle East,» mentioned that he did his undergraduate work at AUB.

60 Nationalities

The Christian Science Monitor, Boston, Mass., publishes a description of a bazaar in Beirut by John K. Cooley who mentions that now and then one sees a girl looking around who may well be a student at AUB which has more than 60 nationalities on its rolls.

Cancer



The Journal, Sioux City, and *Times-Democrat*, Davenport, Iowa, reported recently that Dr. Hrair Gulesserian has developed a new technique used in operations which are giving new hope to cancer patients in whom the cancer is beginning to move into the liver. The two papers mentioned that Dr. Gulesserian graduated from the medical school at AUB in 1961.

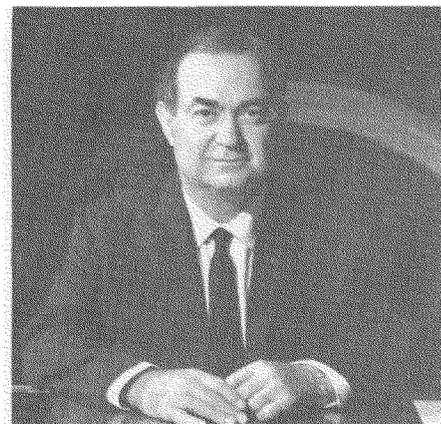
Active Exhibition Program

Art Journal, New York, N.Y. said recently that AUB is running an active exhibition program which is being organized by Prof. Peter Harrison Smith. This quarterly mentioned the exhibition in the Central Jafet Memorial Library of works by Sheikh Nasib Makarem.

Muslim Students Association

The Kalamazoo Gazette, Kalamazoo, Mich., which reported that Dr. Ismail R. al Faruqi was to lecture at a dinner slated by Western Michigan University's Muslim Students Association, mentioned that he had studied at AUB.

Leadership



The Sun, Lowell, Mass., published early this year a long interview with Sheikh Najib Alamuddin, chairman and president of Middle East Airlines-Air Liban who stressed that people, not boundaries must have priority in American peace initiatives in the Middle East. Sheikh Najib pointed out that «much of our business and political leadership was developed right here at the American University of Beirut.»

Graduates With US Institutions

The Register, Springfield, Ill., has reported that Dr. Ziad J. Asali recently joined the staff of the Taylorville Hospital Clinic, mentioning that he graduated from AUB in 1967.

In a story on Dr. Edward Gress, associate professor of accounting at Northeast Louisiana University, *World of Monroe*, LA., said he got his B.B.A. (1961) and M.B.A. (1964) from AUB.

Articles by Members of Medical Center Reviewed

The Journal of the American Medical Association, Chicago, Ill., has published reviews of the following articles by members of the AUB Medical Center:

Furosemide Therapy for Hypercalcemia in Infants — by Dr. S.S. Najjar.

Roentgen Findings in Mucopolipidosis III (Pseudopolydystrophy) — by Dr. R. Melhem.

Faculty Football Team

The Faculty Football Team turned out 12 players last month, all AUB faculty members, and defeated the Sophomore Intramural Team by 2-0 despite many mistakes due to lack of practice.

The Faculty team which has thanked the Sophomore team for their good sportsmanship, is arranging for a Faculty vs Cypriots game on Saturday, April 14, 11:00 a.m.

Early last month the Faculty team was defeated by 2-1 by the Medical Sciences team.

Agriculture vs Engineering

Agriculture have challenged Engineering to a football Inter-Faculty cup match next Saturday, April 14, at 3 pm. The challenge is accepted. Two years ago this match produced a lot of excitement and resulted in a tie. Even when it was replayed the tie did not break up. The Faculty of Agriculture has been showing a good deal of sports spirit during the past few years, and the Director of Athletics, Mr. Abdus Sattar Tarabulsi has praised their enthusiasm for sports. Their teams were always ready on time and participated in all events.

April 14 is expected to be another big show of athletic school spirit at AUB.

Mr. Shirawi Elected AUB Trustee

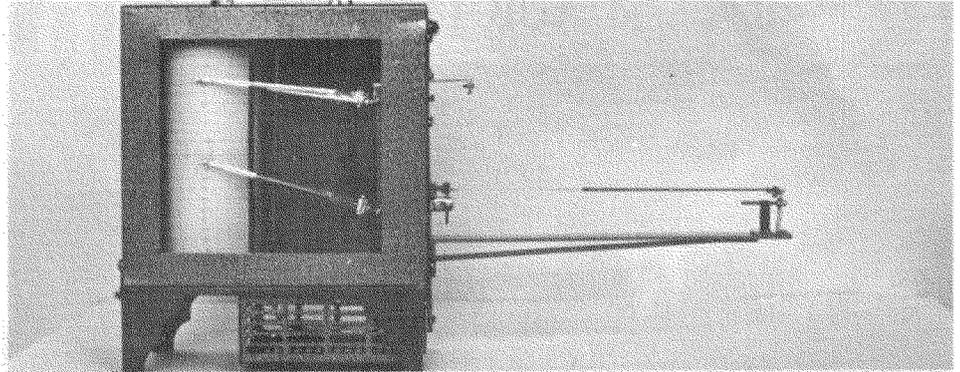
(cont'd from p. 1)

the Federation of Arabian Gulf States.

H.E. Mr. Shirawi was in Beirut recently on his way to Europe, and he met with President S. B. Kirkwood who welcomed him and expressed the great pleasure of the University in his acceptance of election as University trustee. Mr. Shirawi noted his own pleasure at his election and at representing the Arabian Gulf on the University Board of Trustees.

The AUB Board of Trustees meet three times a year to discuss the University's affairs. The next Board meeting will be held in Beirut in June. The Board's last meeting was held in New York last month when the University's budget for the coming three years was approved and decisions were taken with regard to AUB's programs in the light of recommendations prepared by the Program Study Committee.

Temperature - Leaf Wetness Recorder



Temperature-Leaf Wetness Recorder designed and developed by Dr. Weltzien and Mr. Studd from the AUB Faculty of Agricultural Sciences.

Within the framework of the cooperative program between the Plant Disease Institute of the University of Bonn, Germany and the AUB Faculty of Agricultural Sciences a research project is presently conducted to study the occurrence, biology and control of apple scab, a disease seriously threatening the Lebanese apple industry. During the past year Dipl. Ing. Agr. Gunther Studd, Research Assistant and Dr. Heinrich Weltzien, Visiting Professor of Plant Pathology, have designed and developed an instrument which allows direct reading of the meteorological conditions favorable for a disease outbreak. It combines a conventional temperature recorder with a device, recording the time, during which the leaves in apple orchards stay wet after a rain. The leaf wetness is simulated by the contraction of a wet hemp string, which moves the lower pointer, writing on the revolving drum. It is the duration of this so-called wetness period which accounts for infection conditions if certain temperatures prevail during this time. A simple reading sheet was designed to allow for an immediate decision if a fungicide spray for disease control is necessary or not.

The correct use of the instrument will not only allow a successful disease control but also make it possible to reduce the number of sprays con-

siderably. Thus, fungicide residues on the crop can be reduced and the production cost lowered. It is for the first time, that such an instrument was developed for use by the farmer in his own orchard. It was calculated that the savings made by not spraying 3,000 to 4,000 trees except once per season already pay for the instrument's costs (approx. 500 LL).

The control program for 1973 is developed in close cooperation with the Ministry of Agriculture, Plant Protection Department. The Ministry has already purchased 26 instruments which are placed in various parts of Lebanon, five more were financed by the Lebanese Fruit Office and six by the German Research Association. The research assistantship was granted for two years by the German Academic Exchange Service. A first demonstration of the instrument was made at the meeting of the Lebanese Association for the Advancement of Science in December 1972. Recently, the whole program was impressively presented to the general public on TV by Dr. Anis Jalloul from the Ministry of Agriculture. It is hoped that this widely supported program can also be adopted in other apple growing areas outside Lebanon and help to produce better fruits at lower costs.

Dr. Al-Kubeissi was not AUB ex-Professor or Graduate

When the assassination, in Paris, of Dr. Bassel Abdul Raouf Al-Kubeissi was reported, it was mentioned that he was an ex-professor of AUB. As the name of Dr. Al-Kubeissi does not appear in AUB records, the University

has distributed a release to the various news agencies and the local and foreign press which reported the news explaining that Dr. Al-Kubeissi was not an ex-professor, or a graduate, of AUB.

Jurji Zaydan Documents Donated to AUB Library



President Kirkwood With Messrs. Emile and Choukri Zaydan.

The growing awareness of the contribution made by Jurji Zaydan (1861-1914) to the Arab renaissance has driven many scholars to seek all available material left by this eminent figure. Recently, three doctoral dissertations have been written on Zaydan at the universities of Princeton, Berkeley and Algiers.

At the suggestion of Professor As'ad Khayrallah, and after consultation with Professor Antoine Karam, Chairman of the Department of Arabic and Near Eastern Languages, and Dr. Fuad Sarruf, former Vice President of AUB

and now President of the Executive Board of UNESCO, the Zaydan family decided to donate the Jurji Zaydan documents to the AUB Library, in the certainty that they will be provided with the best care and made readily available to scholars.

The donation was made early this month to President Samuel B. Kirkwood by Messrs. Emile and Choukri Zaydan in the presence of Mrs. Fuad Sarruf, Vice President George Hakim, Provost Samir K. Thabet, Professors Karam and Khayrallah, and Mr. Francis L. Kent, University Librarian.

Among many important items, the donation includes:

1. a very valuable collection of correspondence between Jurji Zaydan and the eminent orientalist of his time, such as Guidi, Goldziher, Littmann, De Goeje, etc.
2. an unpublished manuscript on the history of modern Egypt.
3. an English type-written translation of one of Zaydan's novels.
4. many historical and bibliographical notes, as well as many autobiographical remarks and family correspondence which should prove very helpful in any study of Zaydan's life and intellectual development, and throw much light on his contemporaries.
5. a small collection of Zaydan's poetry in the Lebanese mountain vernacular.

Professor As'ad Khayrallah of the Department of Arabic and Near Eastern Languages has been asked to organize a public exhibition of the documents. This will take place at the Central (Jafet Memorial) Library between October 22 and November 4, 1973.

The Next Bulletin

The next issue of the BULLETIN will appear on Thursday, May 17. This prolonged absence is not only due to several holidays, but is also forced by budget and monetary stringencies.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To:

Stamp

.....

.....

.....

.....

.....

.....

AUB BULLETIN



VOLUME XVI, No. 22

THURSDAY, MAY 24, 1973

Suspension of Classes At AUB and Other Universities in Beirut

Following the events of three weeks ago which led to the imposition of a curfew and the declaration of a state of emergency in the Lebanon, H.E. the Minister of Education, Mr. Edmond Rizk announced that «all schools and universities» in the country were to remain closed until the curfew is finally lifted. AUB abided by this ruling.

Today (Thursday, May 24) all private and public schools are authorized by the Minister of Education to resume classes. On the other hand, the Minister of Education has invited the presidents of universities in Beirut to a meeting in his office today in order to discuss the resumption of classes at universities.

Meanwhile, and since classes were suspended, President S.B. Kirkwood and the AUB Senate have been meeting daily to study developments pertaining to the resumption of classes.

(For the Senate action concerning the remainder of the academic program, see back page.)

Entrance Examinations

The Office of Tests and Measurements has rescheduled the AUB entrance examinations which will now start on Monday, May 28 and continue until June 1st. Registration for these examinations will take place May 28 - June 1.

Course-Seminar on Road Design



Opening session.

The Course-Seminar on Road Design was opened late last month by Mr. Mohamad Ghaziri, Director General on behalf of H.E. the Minister of Public Works and Transport, Shaikh Najib Alamuddin who was out of Lebanon.

This course-seminar was jointly organized by the Lebanese Council for Scientific Research and the AUB Faculty of Engineering and Architecture, in association with the Transport and Road Research Laboratory of the United Kingdom and with the cooperation of the Middle East Development Division of the British Embassy

in Beirut. It was attended by 26 engineers from Lebanon and 68 engineers from 12 other Arab States and from Afghanistan, Cyprus, Turkey and the United Kingdom.

A team of four scientists from the British Transport and Road Research Laboratory headed by Dr. E.D. Tingle lectured on their experience in the design and construction of experimental roads and on methods to reinforce existing roads.

Due to the unfortunate circumstances at the time, the seminar had

(cont'd. on p. 5)

New Lebanese Cabinet

The new 17-man Lebanese Cabinet, headed by Dr. Amin El Hafez, 47, includes two AUB graduates: Sheikh Najib Alamuddin, B.A. 30, Trustee Emeritus, and Dr. Ali Y. El-Khalil, B.A. 55,

M.A. 58, member of the Faculty of Engineering and Architecture. Sheikh Najib carries the portfolio of Public Works and Dr. El-Khalil is Minister of Tourism.

Former AUB Faculty Elected President of Marietta College



Dr. Cleland.

Dr. Sherrill Cleland was last month elected 14th President of Marietta College, Marietta, Ohio. Dr. Cleland, 48, who served Kalamazoo College as vice president and academic dean from 1964-67, relinquished that administrative position for a two-year Ford Foundation assignment to establish an interdisciplinary graduate program in the new field of development administration at AUB. The project, the first of its type in the world, involved training middle level government officials from various developing countries of Asia and Africa to implement plans of their own making.

Dr. Cleland is expected to assume his new duties in July. The new president-elect is member of the American Economic Association, the American Association for the Advancement of Science, and the American Council on Consumer Interests. He is a past chapter president of the American Association of University Professors.

Lecture Series Postponed

The Department of English regrets that the remaining lectures in the Byron Porter Smith Lecture Series have had to be postponed. The lectures will be rescheduled for the Fall Semester.

The *BULLETIN* which was to appear last week, on May 17, after a prolonged absence due to holidays and monetary stringencies, had to be delayed further until this week.

In Recognition

OF HIGHEST ATTAINMENT OF SCHOLARSHIP DURING FIRST SEMESTER, 1972 - 1973

The Dean's Honor List of the Faculty of Arts and Sciences during the first semester of 1972-1973 has been announced and distributed. To be eligible for the list a student must (1) be a full-time student, (2) have achieved an average of at least 80, (3) rank in the top ten percent of his class, (4) have no failing grades in courses which carry credit, (5) have no incomplete grades, (6) have no disciplinary action against him and (7) be deemed worthy by the Dean to be on the Honor List.

Of the 198 students on the Dean's Honor List, the following have attained averages of not less than 90:

SENIOR CLASS (52 students):

Baalbaki, Ramzi	92
Duc, Henri Pierre	91
Ghani Ahmadzai, Mohammed Ashraf	91
Ghattas, Miss Kamilya	91
Umran, Miss Halah	91
Benard, Miss Cheryl Christa	90
Colley, Miss Rhona Ann	90
Fahey, Dennis	90
Fulayhan, Nabil	90
Husayni, Hazim	90
Shihabi, Miss Susan Reama	90

JUNIOR CLASS (66 students)

Spurr, Stephen G.	95
Langenwalter, Miss Marjorie Jane	94
Abu-Khalil, Basil	93
Frayhah, Miss Husn	92
Ja'ja', Joseph	92

Khuri, Radwan	92
Mihyu, Marwan	92
Royal, Miss Anne Marie	92
Atwah, George	91
Azar, Miss Christiane	91
Shua'yb, Andre	91
Tajir, Sharbil	91
Ashton, Miss Vicki Lee	90
Farra, Miss Falak	90
Fletcher, Miss Madeleine	90
Griffith, Harold Lee	90
Ja'far, Muhammad	90
Khuri, Marun	90
Makarun, Michel	90
Wilson, Daniel Kevin	90

SOPHOMORE CLASS (58 students)

Hilu, George	94
Shamma'a, John	94
Kanawati, Isa	93
Tarazi, Riyad	92
Najjar, Hisham	91
Ghulmiyyah, Sari	90
Hijab, Omar	90
Khuri, Muin	90
Mugrditchian, Miss Ani Jane	90
Suwaydan, Joseph	90

FRESHMAN CLASS (21 students)

Bozorgui Nesbat, Saied	90
Etmekdjian, Ashod	90
Saydawiyyah, Taysir	90
Wahbah, Miss Muna	90

SPECIAL (FULL-TIME) STUDENTS (1 student)

Lin, Gregory Bryant	90
---------------------	----

Dermatologists Conference

The 8th Annual Conference of Dermatologists was held at the American

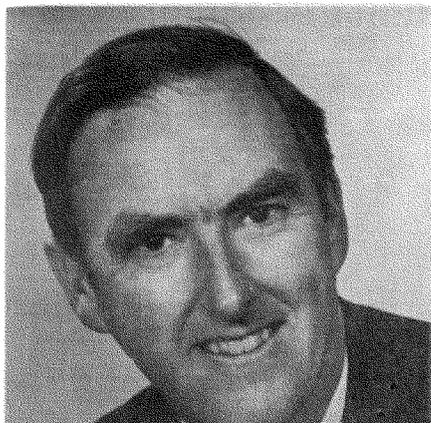
University Hospital during the first week of this month.

Correction

Contrary to the information contained in the article on the election of the Chairman and Vice Chairman of the AUB Board of Trustees (The Bulletin, Voi. XVI, No. 20, of April 5, 1973), Mr. H.W. Page did not serve as

executive assistant to the US President in 1947 but was executive assistant to the President of Standard Oil Co. (N.J.) in that year. The error is regretted.

XXIII Middle East Medical Assembly



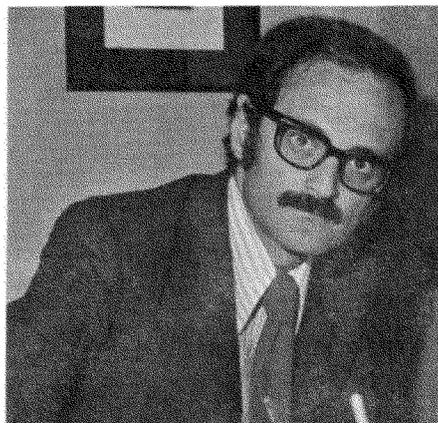
Mr. Peter H. Schurr

The XXIII Middle East Medical Assembly, which was placed under the distinguished patronage of His Excellency the President of the Republic, Mr. Suleiman Franjeh was held early this month under the auspices of the AUB School of Medicine and the Medical Alumni Association despite the extremely difficult circumstances prevailing over Beirut at the time. It was held at the American University Hospital instead of West Hall and had to cancel part of its programs

This internationally recognized annual event again gathered world famous authorities and physicians to discuss the latest developments in the various fields of medicine. Speakers, this year, came from Belgium, Canada, Egypt, India, Iran, Iraq, Sweden, UK, and the US, as well as the Lebanon.

The format of the last two Assemblies, with plenary sessions on topics of timely and world-wide interest, and simultaneous sessions covering a wide range of subjects was retained this year. Three of the participants in the plenary sessions were sponsored by the World Health Organization (WHO).

Participants in three halls dealt with the following subjects: venereal diseases, emergencies in medical practice (such as cardiac arrest, drug reactions, poisoning and acute abdomen), diseases of special importance in the Middle East, advances in endocrinology and metabolism, streptococcal diseases (laboratory diagnosis of streptococcal infections, complications), development of allied health power, hypertension (introduction and classification, causes and treatment) mental



Dr. Khalil Abu Feisal

retardation, urinary tract infections in infancy and childhood, diseases of the esophagus and gynecologic cancer.

A quick session on nutrition formerly scheduled for the first day of the Assembly, was given on the third day, and a session on the treatment of cancer had to be cancelled.

Every year, the Medical Alumni Chapter of the AUB Alumni Association invites a distinguished alumnus to be its guest speaker at the Assembly. Its speaker, this year, was Dr. Elia Ayoub, Professor of Pediatrics at the University of Florida, who has gained world repute with his work on the streptococcus, its immunology and diseases.

Another well-known alumnus who participated in the Assembly was Dr. Farid I. Haurani, Prof. of Internal Medicine at the Thomas Jefferson University School of Medicine in Philadelphia who has done basic research in leukemia in children and is at present a member of the Acute Leukemia Board.

Distinguished world figures in the medical field included Mr. Peter H. Schurr who gave the Penfield lecture.

The Penfield Lecture was instituted by the AUB Department of Surgery in 1960 in honor of Dr. Wilder Penfield, one of the most distinguished names in neurology and Neurosurgery. Dr. Penfield, now retired, was Professor of Neurology and Neurosurgery at McGill University in Montreal Canada. The Penfield Lecture is financed by the Mary Massabky fund which was established by Mr. Antoine G. Massabky of Damascus, Syria and Mont-



Dr. Karl Grunewald

real, Canada, in the name of his mother as a token of gratitude to Dr. Penfield. Mr. Schurr, Consultant of the Neurosurgical Unit of the Maudsley Hospital in London is the 13th Penfield Lecturer.

Professor G. Vantrappen of the University of Leuven in Belgium, and Mr. R. Belsey, Chief of Thoracic Surgery at Frenchay Hospital in Bristol, UK, were the main speakers at the session devoted to the diseases of the esophagus.

Dr. Karl Grunewald, Head of the Division for Care of the Mentally Retarded, National Board of Health and Welfare, Stockholm, Sweden, and Professor Michel Chretien, Director of the Protein and Polypeptide Hormone Laboratory of the Clinical Research Institute of the University of Montreal, Canada, spoke respectively of mental retardation and of endocrinology and metabolism.

Dr. Khalil Abu Feisal, Chairman of the 23rd Middle East Medical Assembly declared at the close of the sessions that 13 out of 15 famous medical specialists who were invited to attend and lecture managed to do so. Dr. Abu Feisal explained that compared to previous years, a little more than 100 doctors only were registered, in addition to AUH doctors. He pointed out that attendance, particularly in the last two days of the 4-day assembly, was encouraging, beyond the expectations of members of the executive committee.

Dr. Abu Feisal concluded by praising the high calibre of the papers submitted.

Exhibition Generates Interest in Geology and Earth Sciences

The Third Geology and Petroleum Exhibition which was held in March surpassed all expectations in the number of visitors. A total of just a little over 8,000 people were reported to have visited the Exhibition. Many of the visitors consisted of parties of high school students, thus fulfilling for the Geology Students Society and the Department of Geology one of the principal aims in holding these exhibitions, namely to introduce geology and the work of the Department to the general public and to generate interest, especially among students, in geology and earth sciences. In addition to literature distributed to acquaint visitors with these sciences, daily film shows on geology and petroleum exploration were run. A number of public lectures on petroleum, and water and marine problems were also given as part of the program.

The exhibition was also reported to have raised a good amount of funds towards scholarships to needy students of geology and other bursary aid, special geological field trips outside Lebanon, and the broadening of the Society's activity.

Professor Ziad R. Beydoun, Chairman of the Department of Geology highly commended the work which both faculty and students put to make the exhibition successful, and particularly the students who guided school parties around the stands explaining the mysteries of geology and of petroleum exploration.

In a further declaration to the

BULLETIN, Professor Beydoun announced the presentation of some 100 geological and petroleum engineering publications on the Middle East to the Department of Geology by the Iraq Petroleum and Associated Companies which was one of the principal stand participants at the Exhibition.

The IPC and Associated Companies (Abu Dhabi Petroleum Company, Qatar Petroleum Company and Basra Petroleum Company) stand was principally devoted to the exhibition of publications by past and present geological and petroleum engineering staff of the group on Middle East geology and petroleum exploration and production. These publications consisted of a number of books and the remainder were offprints of papers published in various journals or presented at various international congresses over the last twenty or twenty-five years. This collection will augment the Department's reprint collection and will be valuable in teaching and research. In particular are several definitive works on paleontology and stratigraphy.

Professor Beydoun said that the Department of Geology was grateful for the Companies' generous gift which was card indexed before going to the departmental library. He also acknowledged the generous financial participation of the IPC and Associated companies by the size of the stand they took, as this greatly helped the Exhibition in raising funds for scholarships to geology students.

Four-Week Course Arranged For Library Personnel

A library institute on Arabic language materials, from July 11-August 8, 1973, is sponsored by the Division of Extension and Special Programs at AUB.

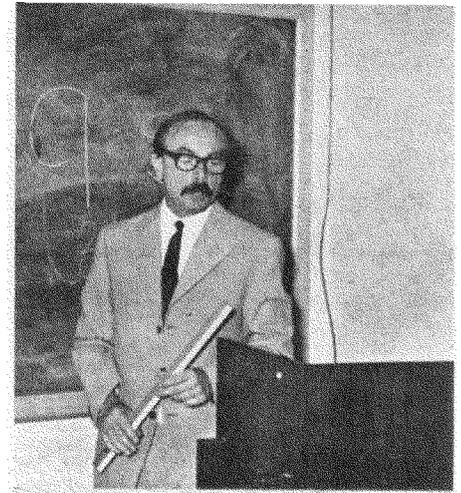
This four-week course is intended for library personnel and will be exclusively devoted to library materials in the Arabic language.

Lectures will be concerned with all

aspects of Arabic language materials; acquisition of books and serial publications, reference methods and materials, documents bibliography and cataloging and classification of books and serials.

Lectures and discussions will be conducted in Arabic. Participants will be expected to take an active part in class discussions and to complete assignments on related library problems.

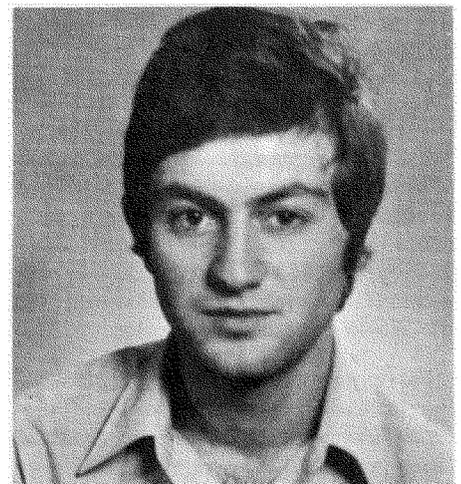
Middle East Dental Assembly



Professor Kay lecturing.

The subjects discussed at the 2-day Middle East Dental Assembly early this month included oral pathology, oral surgery and drug administration in general and emergency dental surgery. Professor Lester Kay who is considered a leading dental authority in Britain and has written several books on the above subjects, was the principal speaker at this assembly.

AUB Student Shot



AUB Business Administration student Ghassan Mohammad Debs (23 years) was shot dead during the sad events of this month.

The AUB Community and the fellow students, friends and professors of Mr. Debs offer their sincere condolences and sympathy to his parents and family in their bereavement.

Dr. P. A. Salem Represents Lebanon at Symposium on Cancer

Dr. Philip A. Salem, Director of the Cancer Program at AUH was the official representative of Lebanon at the Second International Symposium on Cancer Detection and Prevention which was held last April in Bologna, Italy. Dr. Janine Tomb of the Department of Pathology also attended the conference.

While in Italy, Dr. Salem met Professor Ghione, director of medical research at Farmitalis—an Italian drug firm that has discovered a new potent anticancer drug called Adriamycin. At Dr. Salem's request, Professor Ghione kindly agreed to give AUH free of charge a stock of Adriamycin—cost \$30,000—for the treatment of cancer patients.

Course - Seminar on Road Design

(cont'd. from p. 1)



Mr. Mohamad Ghaziri

to be discontinued, but most of the material was discussed during the first three days.

Dr. Joseph Naffa', Secretary General of the National Council for Scientific Research has declared that the Council's interest in this course-seminar stems from the importance it has given to road research in its 6-year plan. Dr. Naffa' explained that a scheme has been initiated with the Ministry of Public Works and Transport to build and test specially designed road sections in certain parts of Lebanon, and also to conduct research into methods for reinforcing existing pavements.

AUH Women's Auxiliary Donate Again



Mrs. Jacqueline Drucker is seen handing the check for LL10,000 to Dr. Riad Tabbara with, left to right, Mr. David Egee, President Samuel B. Kirkwood, Mrs. Caroline Jones and Mrs. Joseph Haddad, respectively Treasurer and Chairman of the Social Services of the Women's Auxiliary, and Dean C.S. Lichtenwalner.

The President of the American University of Beirut, Dr. Samuel B. Kirkwood received last month the President of the Women's Auxiliary of the American University Hospital, Mrs. Jacqueline Drucker together with Dr. Riad Tabbara, Chairman of the Department of Internal Medicine at AUH, Dr. Craig S. Lichtenwalner, Dean of the Faculties of Medical Sciences, and Mr. David Egee, Hospital Director. Mrs. Drucker presented Dr. Tabbara with a check for LL10,000 as a

special gift for use in the newly established Cancer Clinic.

The Women's Auxiliary, through their various activities which include the Bargain Box, the Coffee Shop, the sale of their calendars, etc., regularly contribute funds to the American University Hospital. Other special gifts given this year included in part LL10,000 to the Open Heart Program and LL15,000 to the Kidney Transplant Program.

Lawrence Durrell Discussed

The first event of «A series of Lectures on British Writers in the Middle East» was presented late in March by the Literature and Communications Division of BCW.

This first event was a panel discussion on Lawrence Durrell, and his major work, *The Alexandria Quartet*. Professor A. Boulos of BCW introduced the series and the participants: Mr. Paul Gotch, British Council Representative, Professors John Munro and Richard Michael Murphy of the Department of English at AUB, and visit-

ing Professor Edward Said, of Columbia University.

Mr. Paul Gotch began by giving a portrait-sketch of Larry Durrell, whom he knew well from their mutual Greece and Alexandria days. Professor John Munro then took over as moderator, and the panel set about exploring Durrell as a writer who wrote books set outside his native country, who wrote an «international novel», and a writer whose major work shows how the influence of place can provide the determining form of prose literature.

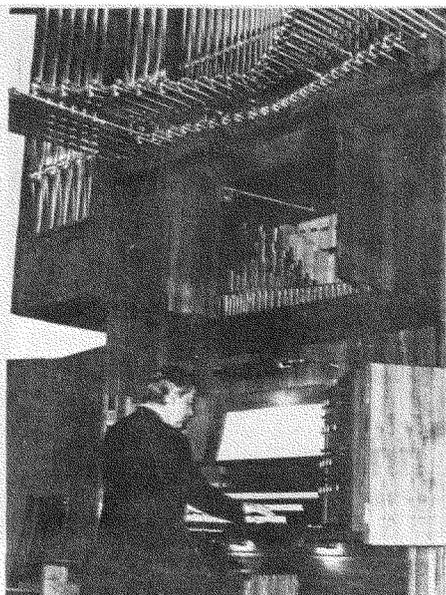
AUB In The Press

Peace March



The Beirut-Saida peace march which Americans living in Beirut organized last month was extensively covered by the local press and reported by Radio Lebanon and the Lebanese and several other foreign TV stations. Reports mentioned that a number of families and members of the AUB community participated in this march.

Mr. P. Cochereau Gives Organ Recital



L'Orient-Le Jour published a photo of Mr. Pierre Cochereau, organist of Notre-Dame of Paris on his arrival in Beirut, and mentioned that he was giving a recital on the new organ in the AUB Assembly Hall.

Professors Bushrui and Munro on W. B. Yeats

Choice, Middletown, Conn., has published a review of *Images and Memories* (a pictorial record of the life and work of W.B. Yeats) by AUB professors S.B. Bushrui and J.M. Munro, pointing out that this book is the offspring of an exhibition held at AUB in 1969.

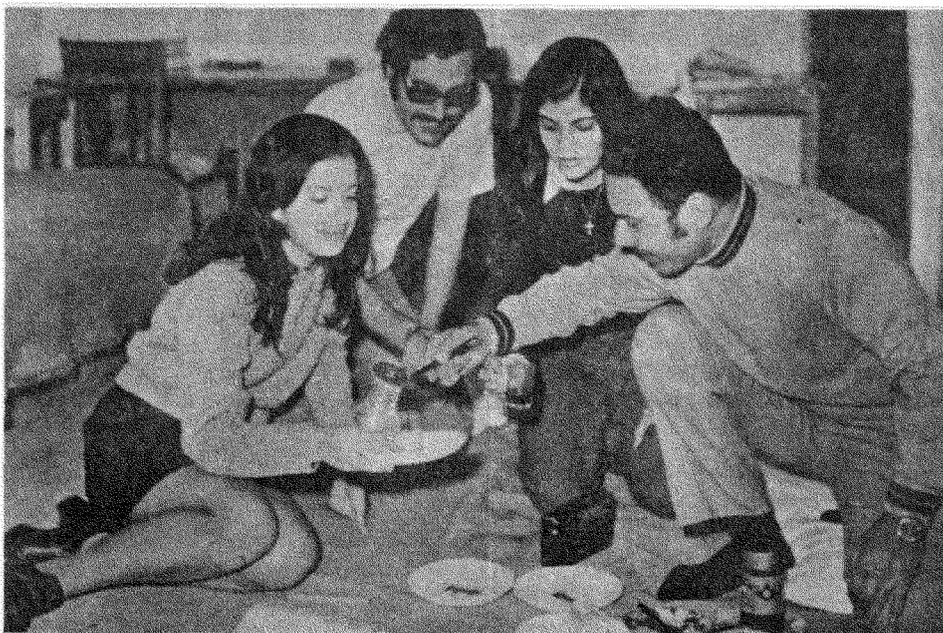
Bechtel Nurse Scholars Exchange Program



The *Review*, Hayward, Calif. reported early this year the departure for AUB of Miss Carmen Fuchs and Miss Karin Chmieleski, the first Samuel Merritt Hospital nurses to participate in the Bechtel Nurse Scholars exchange program. The paper also reported that Miss Shoushanik Mouradian and Miss Salwa Melhem were to arrive in California to complete the exchange from the AUB campus.

Mrs. Paul L. Davies Jr. the former Barbara Bechtel, a graduate of Samuel Merritt Hospital School of Nursing, and now a member of the hospital's board of directors, is coordinator of the new program designed to promote an international exchange of professional nurses in order to develop understanding and awareness of the different nursing and health care systems.

Boarding Students Reception



The weekly *Al-Ussbu' Al-Arabi* which last month reported, with several pictures that AUB allows, once a year, its

boarding students to have an open house, covered one such reception.

Journal Produced by History and Archaeology Student Society

THE APPRENTICE

THE JOURNAL OF THE HISTORY AND ARCHAEOLOGY
STUDENTS' SOCIETY, AMERICAN UNIVERSITY OF BEIRUT
BEIRUT, LEBANON

VOL. III

AUTUMN 1972

IN THIS ISSUE :

ARTICLES BY STUDENTS

SOCIETY NEWS AND NOTES

CATALOGUE OF HISTORY AND ARCHAEOLOGY THESES

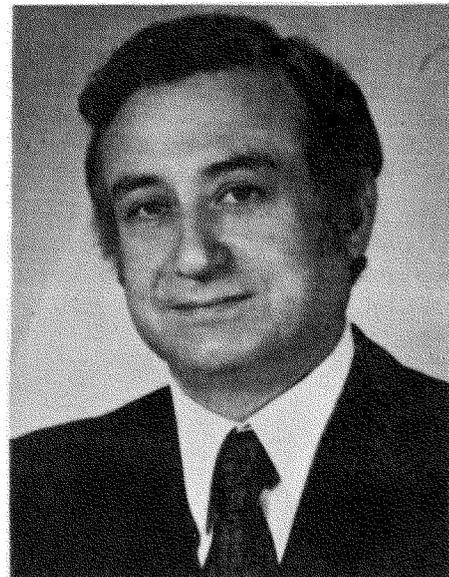
PRICE : L.L. 3.00

The third and latest issue of *The Apprentice* appeared at the end of March, but the larger part of the AUB community are probably unaware of the existence of this journal—at least sales suggest that. *The Apprentice* is the journal of the AUB History and Archaeology Student Society. Started in 1970, *The Apprentice* is a purely student venture, edited and written by students. Articles (usually written originally as term papers) have over the three issues covered subjects ranging from ancient to modern Middle Eastern history, as well as the history of modern Europe. The latest issue includes studies of medicine in ancient Egypt and of a Medieval Persian source on Armenian history. It also contains a catalogue of history and archaeology theses written for the MA at AUB.

Copies of all three issues can be obtained from the office of the Department of History.

New Officers of Alumni Association Elected

Mr. Fawzi Malouf, B.A. 48, and Mr. Samir Abu Jawdeh, B.S. Agri. 58, have respectively been elected president and vice president of the AUB Alumni Association for a term of three years. Mr. Malouf was vice president of the previous Alumni Council. He succeeds Sheikh Najib Alamuddin who served for six years as president. Mr. Abu Jawdeh has also served on the previous Council as Treasurer.



Mr. Fawzi Malouf

Alumni elected to the new Council include, Dr. Alfred E. Diab, M.D. 32, representing graduates of the School of Medicine; Mr. Adib Kaddourah, Ph.G. 37, Ph.C. 38, Pharmacy; Dr. H.H. Srabian, D.D.S. 23, Dentistry; Miss Salwa Makarem, B.S. 58, Nursing; Mr. Khalid K. Musfi, B.E. 58, Engineering; Mr. Amin Hijazi, B.S. Agri. 58, Agriculture; Mr. Michel Shamma'a, B.A. 42, M.A. 57, representing post graduate alumni; Mr. Ramez Rizk, B.S. 47, B.S. graduates; Mr. Samir Mashalani, B.A. 45, B.A. graduates; Mr. Nassib Mroueh,

B.B.A. 53, B.B.A. graduates and Mr. Antoine Bikhazi, representing former students.

Safety Council Membership



Mr. McKee advising Vice President Monnier and Mr. Imad on types of memberships available at the Council.

During a visit last month to friends in the Lebanon, Mr. James W. McKee, Membership Consultant at the National Safety Council, Chicago, paid a friendly visit to AUB where he was received by Vice President Dwight C. Monnier and Mr. Azmi Imad. Mr.

McKee who had met Mr. Imad at the Council in Chicago last summer, was impressed by the campus and was helpful in understanding some membership problems which AUB is facing with the National Safety Council.

Senate Action on Academic Program

The President of the American University of Beirut, Dr. Samuel B. Kirkwood announced on May 14 the Senate action concerning the remainder of the academic program at AUB with the following statement:

The granting of AUB degrees depends on student participation in a 32-week academic year. The approved program calls for a period of time for instruction and examination for a total of 16 weeks per semester to fulfill the requirement for acceptance of the AUB program for degree credit.

During this second semester 20 days have been lost due to interruptions of the academic program. The University Senate has approved make-up of this time as follows:

1. The use of six Saturday afternoons for instruction during May and June.
2. The extension of classes through June 30th, and the cancellation of formal graduation exercises.
3. The scheduling of final examinations during the first week in July.

This schedule is based on the assumption that classes may be resumed by mid week (last week). If this is not possible the Senate will consider alternative arrangements.

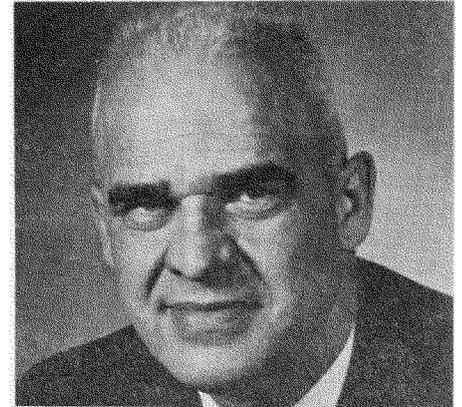
President Kirkwood has made it clear that the University decision on the resumption of classes depends on the decision of the Minister of Education regarding the reopening of universities in Lebanon.

AUB Vice President Monnier Joins Staff of American College of Cardiology

The American University of Beirut has announced the resignation of Dr. Dwight C. Monnier, AUB's Vice President for Administration since 1967 who will leave the university this summer to join the staff of the American College of Cardiology at Bethesda, Maryland, Dr. Monnier's home state, in USA. Dr. Monnier is responsible for the overall supervision of a number of administrative departments and programs at AUB.

The American College of Cardiology which Dr. Monnier will join as assistant executive director has some 5,500 members including a number of well-known physicians in Beirut. The College has an extensive continuing education program for cardiovascular specialists which provides current knowledge leading to better cardiac patient care and preventive treatment.

One of the programs of the College is its International Circuit program



Dr. Dwight C. Monnier

which provides a faculty of four or five physicians who hold medical seminars in countries around the world. Since its inception in 1961, thirty-four medical seminars have been held outside the US. The most recent visit by US one of these teams to AUB was in October 1972.

AUB Responds to Appeal of Minister of Health and Order of Physicians

During the sad events which overtook the XXIII Middle East Medical Assembly at the beginning of this month, doctors of the American University Hospital placed themselves at the disposal of the authorities concerned in response to the appeal of the Lebanese Ministry of Health and the Order of Physi-

cians. All social functions planned for the assembly were cancelled. On the other hand, more than 70 AUB professors and men and women students gave blood donations, and the American University Hospital placed its tremendous facilities in the service of the wounded.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To:

Stamp

.....
.....
.....
.....
.....



Campus Back to Normal

The University Senate meeting last Friday voted unanimously to resume classes on Monday, May 28. The Senate also voted to extend class sessions through Saturday, July 7th with examinations scheduled to begin on July 9th and continuing through the 14th.

On Monday noon, May 28, the day when classes were resumed, a march on campus organized by a number of AUB students led to the suspension of classes in the afternoon and to unfortunate incidents and a confrontation the next day. Classes had again to be suspended on Tuesday afternoon, and late at night President Samuel B. Kirkwood made the following announcement after two meetings with the University Council.

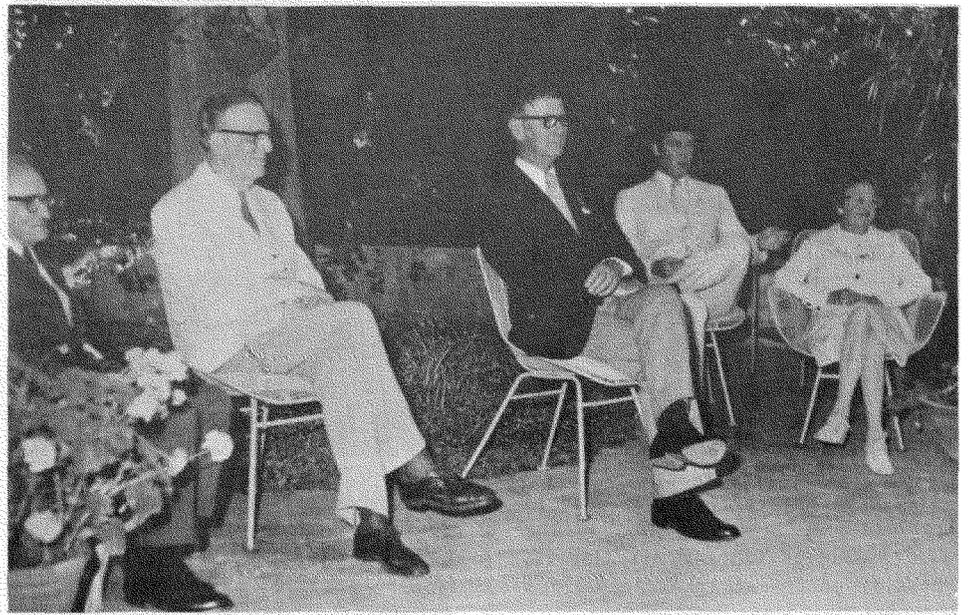
«The American University of Beirut is anxious to enable its students to complete the program for this academic year. This will allow them to complete their classwork, sit for their examinations and obtain their degrees».

«Accordingly the University will continue classes as scheduled tomorrow, Wednesday, May 30.»

«I urge students of all groups to put aside their differences and continue to consider the University as a place of education and learning worthy of the respect of all.»

(See page 3)

Dean S. Swenson Decorated



L. to r. Vice President George Hakim, President Samuel B. Kirkwood, Dean Stanley Swenson, Professor James Cowan, Associate Dean of the Faculty of Agricultural Sciences, and Mrs. Swenson.

The Dean of the AUB Faculty of Agricultural Sciences, Professor Stanley Swenson was last week awarded the Order of the Cedars of Lebanon, of the Chevalier rank, by His Excellency the President of the Republic, Mr. Sleiman Franjeh. The award, made in appreciation of Dean Swenson's services to the Lebanon in the field of agriculture, was presented at the large farewell party given in the gardens of Marquand House by President and Mrs. Samuel B. Kirkwood on the occasion of Dean Swenson's retirement.

All the community of the Faculty of Agricultural Sciences, together with Vice President George Hakim, Vice President Dwight C. Monnier, Provost Samir K. Thabet, Dean Raymond S. Ghosn and Dean Edwin T. Prothro, as well as many friends, colleagues and associates and their wives were present at this party to say goodbye to

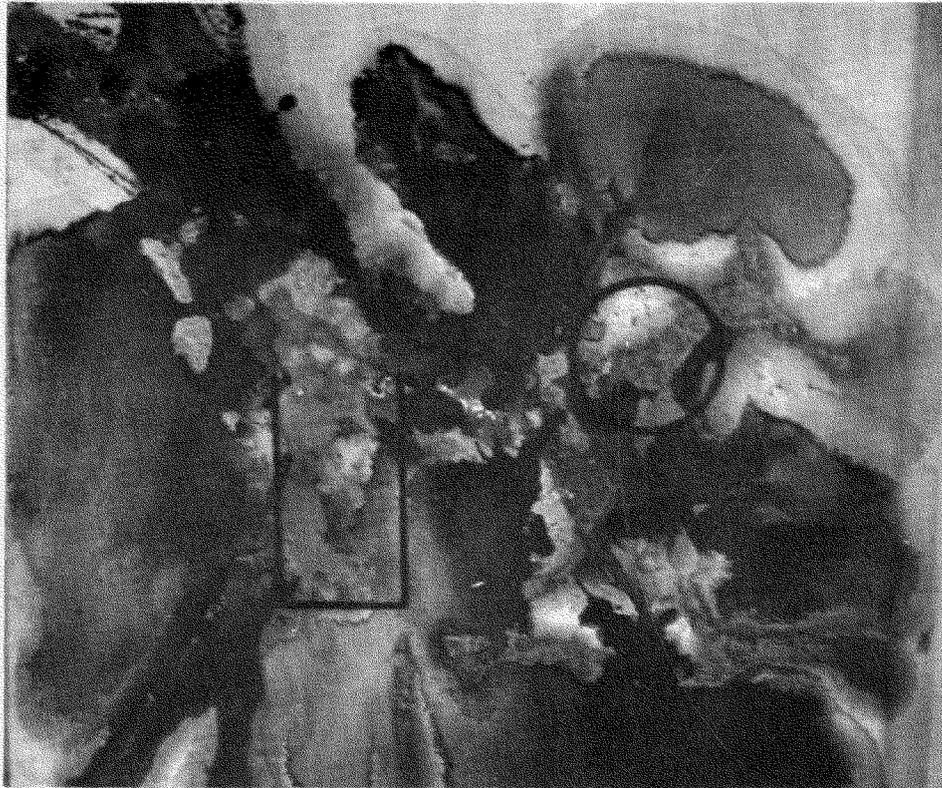
Dean and Mrs. Swenson who will be departing soon to the US after a period of six years at AUB.

In bidding Dean and Mrs. Swenson farewell, President Kirkwood referred to problems the Faculty of Agricultural Sciences had when Dean Swenson arrived, pointing out that he saw no problems left now, and that it was good working with Dean Swenson.

A parting gift of a complete set of hand embroidered table cloth and napkins was then presented to Mrs. Swenson in the name of the whole community of the Faculty of Agricultural Sciences.

In his address of thanks Dean Swenson remarked that the Lebanon, Beirut and AUB wonderfully serve as hospitable hosts to universities and research teams, and requested that his thanks and appreciation be conveyed to His Excellency President Franjeh.

Paintings and Photograms



Five arts students are exhibiting 14 paintings and 8 photograms at the Jafet Memorial Library Art Gallery, works all motivated by the materials in which they were created.

Prof. J.N. Colt, visiting prof. of art, has the following to say about this exhibition:

The meaning of the work is, for the most part, in the art of making; and the form is developed directly from the media.

In this concept of painting, called color field painting, the colors are stained into the canvas, not painted on the surface. Figure and ground are inseparable and the suggestion of shapes on edge emerges through automatic color and tonal gradation, density control, and the characteristic affinity of acrylic paint and cotton duck.

As the emerging shapes, achieved in

this direct method, often suggest soft amorphic images, the approach is sometimes referred to as lyric abstraction.

The photograms were created in the same conceptual spirit as the paintings and by using similar techniques. Guided by the very basis of photography (the controlled exposure of light sensitive paper) the involved artists manipulated transparent, translucent and opaque materials, seen in a flood of light or hooded by shadow. Objects are used as tools to control the light and create the photographic surface in much the same way that the painters controlled acrylic stains in a variety of densities to manifest the experience and form of their paintings, and the apparent images, like clouds and dreams, come into focus and dissolve.

Second Meeting of Philosophy Symposium

The second meeting of the Philosophy Symposium for 1972-1973, which was postponed upon the closure of the university in April and May, has been rescheduled for Monday June 11, 1973 at 4:30 pm in room 312 Nicely Hall. Professor Robert Walker will speak

on the subject «Making Sense: Toward recovery of the symbol 'God'.» The paper will be followed by a response by Professor Hugh Harcourt, and by a general discussion. All members of the University community are cordially invited to attend.

Sigma xi Sponsors Symposium on Memory

The Sigma Xi Society at AUB is sponsoring a symposium dealing with various aspects of memory including the theoretical, physiological and psychological.

The following is a list of participants with their respective topics of discussion:

Dr. Allan Paivio, Laboratory of Experimental Psychology, University of Sussex: «Imagery in Memory.»

Dr. Joel Saegert, Department of Psychology, AUB: «Bilingual memory.»

Dr. Suhail Jabbur, Department of Physiology, AUB: «From Brain Cells to Memory Bells.»

Dr. Nassir Sabah, School of Engineering and Architecture, AUB: «Artificial Memory.»

Moderator: Dean Edwin Terry Prothro
Time: Thursday May 31 at 7:30 pm
Place: Science Lecture Hall.

Middle East Power Conference Postponed

The Middle East Power Conference, which was scheduled to be held next month, will now take place next September 26-29. The decision to postpone this conference was taken this month by the organizing committee.

In a first announcement and call for papers, the AUB Department of Electrical Engineering said the conference would study the general problems of today's electric power systems and include lectures by leading authorities in the field.

The following topics were mentioned for the Conference sessions and papers:

1. System interconnections.
2. Extra high voltage ac and dc transmission.
3. Contamination, flashovers and protection.
4. Load-flow, short circuit analysis and stability.
5. Power distribution and economic dispatch.
6. Nuclear and conventional power plants and desalination.
7. Power machinery and equipment.
8. Special problems of interest in the Middle East.
9. Electric power engineering education.

Campus Back to Normal

The University Senate decision last week to resume classes followed the announcement of the Minister of Education who declared that classes could be resumed on Monday. The Minister's statement was made after his meeting with seven heads of universities in Lebanon. President S.B. Kirkwood, Vice President G. Hakim and Provost S.K. Thabet represented AUB.

The day classes were resumed, May 28, after a long period of forced holidays, the AUB Student Council addressed the following statement to students:

The Student Council asks AUB students to attend classes as usual in response to the call for a return to a normal situation as requested by the Lebanese Government and the Palestinian Liberation Organization following the agreement reached last week.

Furthermore, the Student Council condemns all provocative acts that would create tension on campus, hence creating problems for students.

Students responded and classes were resumed normally, but an unfortunate event occurred at noon when a group of around 150 students engaged in a demonstration march on Campus and a number of the marchers shouted slogans which were highly offensive in nature, particularly to the Lebanese authorities. This was condemned by the AUB community, and President Samuel B. Kirkwood issued a statement in which he said:

The University condemns strongly the use of such language by any of its students or any member of its community, as well as the expression of an attitude insulting to the citizens of Lebanon, a country in

which AUB is a guest and which has given the University its hospitality for more than one hundred years.

The University deeply regrets the incident and hopes that its friends in Lebanon will recognize that such slogans and attitudes are not representative of AUB students or of the University.

The University shares with Lebanon the tensions of these times and will continue as far as it is possible to maintain its contribution to the education of all of its students.

Since the use of slogans of this kind is an offense against the honor of the University, leaders of the demonstration will be brought before the University Disciplinary Committee. The Committee will convene immediately.

On Tuesday morning, May 29, and in protest against the slogans shouted by marchers the previous day, a group of students gathered in the vicinity of the Main Gate and pledged their undying loyalty to the Lebanon. Tension, however, prevailed and suddenly bottles, rocks and other projectiles started to be thrown by opposing factions, and the Police had to enter the campus at the request of the Administration. About 18 students were treated at the AUB Hospital Emergency Room and three were hospitalized, none fortunately with injuries of a serious nature.

The University Council met twice during the day and a statement announcing that classes were to be resumed the next day, Wednesday, was issued by President Kirkwood just before midnight. (See page 1).

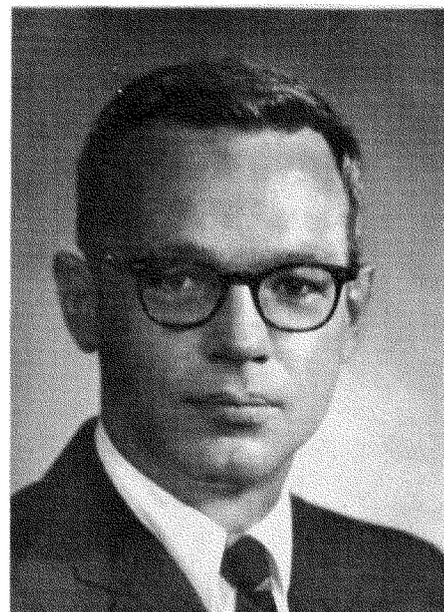
Makarem Loan Fund Established

The Hamoud K. Makarem Memorial Loan Fund was recently established by Miss Salwa Makarem of the AUB School of Nursing in memory of her father.

The fund will be used to encourage

young men and women in Lebanon to take up the Nursing profession. It is expected that the initial donation to AUB of LL. 1,000 will be added to from time to time by the family and friends of the late Hamoud K. Makarem.

New Director of Development Appointed in New York



Mr. W. I. Brockman

President Samuel B. Kirkwood announced recently the appointment of Mr. William I. Brockman as Director of Development in New York.

Mr. Brockman brings to the AUB Fund Raising team valuable experience as former Director of the Commerce and Industry Division of the United Hospital Fund of New York. He was also resident director for the firm of Marts and Lundy, Inc., one of the outstanding Public Relations consulting firms in New York which has offices throughout the United States.

Mr. Brockman has recently been directing capital fund campaigns for schools and colleges in the U.S. As assistant national campaign director for the National Multiple Sclerosis Society he coordinated and developed bequest programs and appeals to foundations.

Mr. Brockman graduated from the University of South Carolina in 1957 and continued graduate work in Psychology and Education at the Universities of Colorado and Alaska before entering professional fund raising in 1961. Members of his family have been associated with the educational and medical work of the Presbyterian mission in the Middle East.

Library Serials Reading Room

The collection of nearly 2,000 current periodicals displayed in the Jafet Library Serials Reading Room has been rearranged by broad subject divisions, distinguished by colored signs and shelf labels. Arrangement within each division is alphabetical by title. The new scheme is intended to enable readers more easily to review the Library's holdings, in both western and Arabic alphabets, in their particular fields of interest. The move was planned and directed by Mrs. Nancy Assaf, Assistant University Librarian, Technical Services.

In the Newspaper Room adjoining the Serials Reading Room, a rearrangement of space has enabled the number of readers' seats to be raised to 16.

Challenge Football Cup

The challenge football cup match last month between the Aggies and Engineering teams which were equally matched, was won by Engineering, 2-1. Although the parade anticipating the game was cancelled because of the strike, many enthusiastic supporters, among them several professors and deans, attended the game and gave it a good start. Dean Robert Najemy, who presided the match, handed the cup to the winners.

Prof. Walter Wyant Dies in Greece

Walter Wyant, who was Assistant Professor of English and Assistant Dean of the School of Arts and Sciences during the years 1953 to 1963, died in Greece last month and was buried in Zagrafos Cemetery, Athens. After leaving AUB, Professor Wyant became Executive Officer at Pierce College, Athens. He had a great affection for Greece and the Greek people, and he continued to live in the country after leaving Pierce College.

Prosthetics — Orthotics and Physical Therapy

Eversince their establishment thirteen years ago, the departments of Prosthetics and Orthotics, and of Physical Therapy at AUH have been serving disabled persons who, until lately, were banned from employment by regulations. The recent employment of several disabled persons in a few Government sectors is considered a major breakthrough achieved by both the disabled and the above AUH departments.

When they were founded in 1960, these departments had the only qualified team to provide help for the disabled in this whole region. The departments are headed by Mr. and Mrs. Amin Hajj, respectively heads of the departments of Prosthetics and Orthotics, and of Physical Therapy. Mr. Amin Hajj has explained to the BULLETIN that theirs is teamwork—the team including a doctor, a therapist, a prosthetician, a nurse, a social worker and, when they can afford it, a psychologist. He stressed, however, that the patient himself is the most important member of the team, as without motivation on the patient's part no results can be attained. If a man comes to have an artificial arm made for him, and is skeptical as to whether or not he will ever be able to use it efficiently, it will be difficult to help such a patient.

The work of the two departments involves polio cases, diabetics, road and work accidents, skiing accidents, strokes and trauma, and could extend to cardiac and chest sicknesses.

Mrs. Hajj believes the work of the two departments can further assist



Mr. and Mrs. Hajj and young patient

chest and heart problems. It can also provide help to remote and poor regions if supplied with a mobile unit. Other activities of the departments are prenatal classes, teaching of medical students, visits to neighbouring countries to treat patients, and also visits to medical centers in Europe and the US.

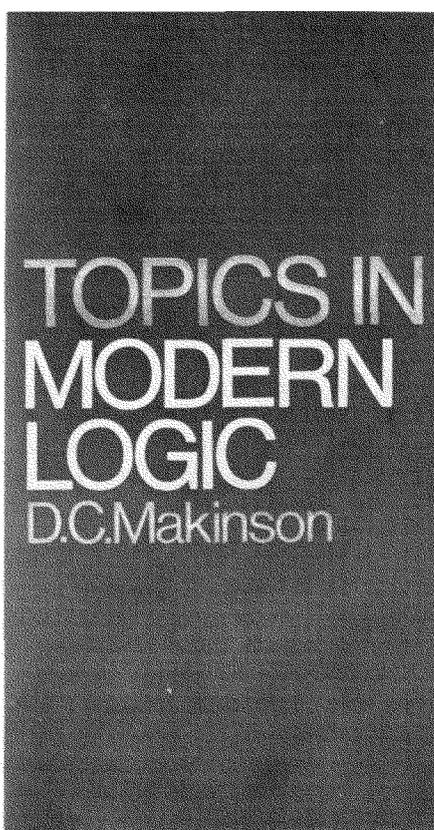
Training in Prosthetics and Orthotics, and Physical Therapy in England requires a Freshman level in sciences and 3 1/2 years of study associated with a hospital treating patients. In the US, it requires a B.S. degree plus four or five years of specialization. Lebanese trainees are still lacking, and there is a growing need in the whole area for training in these fields.

Ph. D. Dissertation Defended

The Ph. D. dissertation in Arabic literature by Miss Wadad Al-Kadi on the subject of «Al-Kaysaniyya in History and Literature» is scheduled to be defended in the Faculty Room of

Marquand House next Friday, June 8, at 3:30 pm. Al-Kaysaniyya is an early Shiite sect and the invitation is open to the public.

Topics in Modern Logic



On May 31, 1973 Methuen of London are publishing *Topics in Modern Logic* by AUB Associate Professor David Makinson. The book, which appears in both a hardcover edition and the University Paperbacks series, is a text in modern logic, based upon classes that Professor Makinson has been giving over the past few years in the Department of Philosophy. The book is directed to the undergraduate student of the humanities who wishes to take a second course in modern logic, to study beyond the most elementary level, but whose background in mathematics is very limited. The author strikes a balance between material of a philosophical and a formal kind, in a way that brings out the intricate connections between the two. The book contains over a hundred exercises within the text, set out alongside the theoretical ideas that they involve, and some of the solutions have also been provided.

Four-Day Field Trip to Syria in Hama



Last March, 21 students from the Faculty of Agricultural Sciences together with Professors A. Bhattacharya and D. Bray went to Syria on a four day field trip organized for students participating in three courses of interlocking interests, viz «Feeds and Feeding», «Beef and Sheep», and «Forage Crops». Dr. Omar Mamluk, visiting professor of Plant Pathology participated in the organization of this trip.

The group's first stop was at the Agricultural Research Center in Douma, about 20 kms north of Damascus, where they were briefed on the types of agricultural research in Syria. The next stop was in Deir-el-Hajjar, a 20-year old dairy research station 25 kms to the east of Damascus. Cross-breeding of local Shami cows with imported Friesians at this station has led to much data and useful information.

The group spent the first night at a hotel in Damascus as guests of AUB graduate Mr. Khaluk Musallati (BS Agriculture, 1971).

The next day, the group visited a beef and sheep fattening project near Homs and lunched at the Ruston Dam in Hama before going to Aleppo for the night.

On the third day, they saw in Aleppo

what is probably the largest open-air market in the Middle East for sheep and cattle. Around 3,000 sheep and several hundred cattle were scattered in groups in this colorful market.

The group made a brief stop at Aleppo University and visited the School of Agriculture before proceeding to the University Research Farm. On the way to the Farm, they visited a large and impressive cotton-seed processing plant where cotton seeds (after cotton fibers are removed) are processed into oil, and cotton seed meal for animal feed as a by-product.

On the last day, the group stopped at the Ghab project 25 kms. from Hama. This vast area (some 88,000 hectares, with 43,000 hectares irrigated) is a complex system of drainage and irrigation. Fish farming is well developed in this area where 300 milking cows are in production, and many crops are produced. The main feed is fresh alfalfa, harvested daily, or as needed. Members of the AUB group were impressed by the ability and enthusiasm of Mr. Muhammad Musa, director of the project's dairy installation.

Back at AUB, they commended the conception and organization of this field trip.

AUB In The Press

Traditional Football Game



The influential weekly *Al-Hawadess* devoted last month two pages, with pictures, to the traditional AUB football game between Engineering and Arts and Sciences. The weekly interviewed the Director of Athletics Mr. Abdus Sattar Tarabulsi who spoke in praise of this game.

Students beating drums and masquerading in strange costumes watched the game.

Food Handling

Under the heading «Disturbing insights into Arab public health,» *Municipal Engineering*, London, has published excerpts from a series of recent despatches sent by Mr. Morley Parry who late last year travelled around the Middle East studying food storage problems on behalf of the World Health Organization. Writing from Beirut, he described as totally confused the situation in the food safety field, adding that «conditions range from the 'sterility' of the campus of Beirut's American University to the 'hazard' of food-handling ideas» in remote villages.

Denial

The New York Times, New York, N.Y. *The Atlanta Journal* and the *Atlanta Constitution*, and more than 20 other US papers reported AUB's denial early in April of news which said Dr. Basil-el-Kubaisi, who was shot dead in Paris, was a professor at the University.

Tremendous Services

The Herald News, Passaic, N.J., published late last year a long article in praise of AUB and its tremendous services to the area over the past 106 years.

Strikingly Beautiful Campus

The New York Times published early this year a long article on tourism in Lebanon by Professor Paul B. Snider who was professor of mass communications at AUB for two years before he left last year to Peoria, Ill. where he is now professor of journalism at Bradley University.

Professor Snider thoroughly acquaints readers with tourism in this country by giving a vivid description of four one-day tours from Beirut.

In a foreword, he says Lebanon which is 30 miles wide and 95 miles long, is one of the world's smaller countries, but it can also be thought of as the world's largest museum. It is filled with the remains of history, ruins and temples that served pre-Biblical man, the Greeks, Romans, Crusaders and Ottomans.

Professor Snider refers to the «strikingly beautiful campus of the American University of Beirut (founded in 1866) which has many buildings with the distinctive red-tile roofs of the area.»

He describes AUB's reputation as worldwide, pointing out that 19 of its graduates participated in the founding of the United Nations, and 80 alumni are Presidents, Prime Ministers, Cabinet Ministers or Ambassadors of various countries.

Achievements

In a long article in *The Post-Gazette*, Mr. Frank Hawkins reviews AUB's services to the area. The writer explains that AUB's annual budget of \$18 million is raised from tuitions, gifts, alumni, foundations, government contracts and sponsored programs, in addition to generous donations by American oil companies that are appreciative of the University's contributions to their industry. He points out that American government aid to the tune of \$107 million has been used principally for capital improvements, such as the 420-bed teaching hospital which last year treated about 100,000 patients.

Mr. Hawkins points out that AUB's various faculties have granted more than 17,000 degrees, and that their graduates include three presidents of M.E. countries, 10 prime ministers, more than 30 cabinet ministers and 35 ambassadors.

He also explains that they have trained scientists for 18 Middle Eastern medical schools, helped expand public health services, developed a variety of wheat suited to the area's dry-land farming, created a protein supplement from foods like chick-peas and grains, and developed a concrete with glass fibres imbedded to increase structural strength.

He mentions that AUB's students (4,280 this year) come from 69 nations, and that its 653 faculty members include 118 Americans. Seventy per cent of the cost of a student's education, he says, is subsidized, and 45 per cent of the students receive some form of assistance.

Popularity

The New York, N.Y. Heritage, published last March a long article headed: AUB Popular Despite Mideast Tension.

Visiting Professor

In reporting that Dr. Wayne Dennis was to speak on the topic of «Institutionalized Children,» *Morning Advocate* and *State Times* of Baton Rouge, LA., mentioned that he is a visiting professor at AUB.

Automated Mass Transit

The Faculty of Engineering and Architecture has sent invitations for a lecture on Automated Mass Transit (Transit Expressway) by Dr. Jerome Chmielewski, Visiting Associate Professor at the Department of Mechanical Engineering to be given at 6:30 pm on Thursday, June 7 in the Bechtel Engineering Hall. Films and slides will be shown.

Professor Chmielewski, an Associate Professor in the Department of Mechanical Engineering, University of Pittsburgh, was an engineering consultant for several years to the MPC Corporation, an affiliate of the University of Pittsburgh and the Carnegie-Mellon University. MPC participated in the Transit Expressway mass trans-

portation demonstration project at South Park, Allegheny County, Pennsylvania.

The Transit Expressway used in the demonstration project at South Park, is a unique rapid transit system which operates on its own private roadway and is computer controlled. Operations are fully automatic and, therefore, do not required the service of a motorman, conductor, or attendant on board.

TE was designed for urban service in medium population density, metropolitan areas.

Several aspects of TE will be presented including the vehicle mechanical test program and a simulation model of TE for economic feasibility.

Dr. J. Leonard Moore Died in New Jersey

Dr. J. Leonard Moore, who was member of the AUB faculty for almost 20 years died this month at the Princeton Medical Center in New Jersey following a prolonged illness.

Dr. Moore was born August 26, 1899 in Beirut, Lebanon. He was the son of the late Dr. Franklin T. Moore who was for years closely associated with the Syrian Protestant College in Beirut as missionary, teacher and physician, and the late Ethyl Jessup Moore.

Dr. Moore spent his boyhood in Beirut and returned to the United States for college and the medical school. After graduating from Princeton University and from Columbia University's College of Physicians and Surgeons, he returned to Lebanon in the 1920s to found the department of pediatrics at the American University of Beirut where he became Professor of Pediatrics. He established public health programs in rural Lebanon and was particularly devoted to improving child health care. He moved to the US in 1939, but in 1963 he returned as guest of the Lebanese Government to receive the Order of the Cedars of Lebanon for his humanitarian contributions.

Dr. Moore made his home at 59 Westcott Road, Princeton, New Jer-

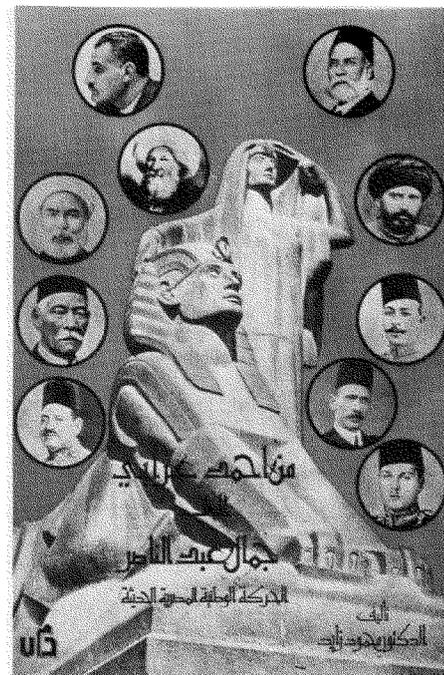
sey. He actively practiced pediatrics in Princeton for 28 years prior to his death. Through his wisdom, gentle manner and love for mankind, Dr. Moore has touched the lives of three generations of children and their parents in this country and abroad. Dr. Moore was member of Alpha Omega Alpha, the medical honorary society, and the American Academy of Pediatrics. He was an Elder of the First Presbyterian Church of Princeton, and a devoted Christian.

Surviving are his widow, the former Lilian Carin Borg; a daughter, Mrs. Leighton H. Laughlin of Princeton; two sons, John L. Jr. of Princeton and Dr. Thomas Jenner Moore of New York City; two sisters, Mrs. Adlai S. Hardin of Old Lyme, Connecticut and Mrs. Anson P.S. Hoyt of Pasadena, California; and eight grandchildren.

Contributions may be sent in his memory either to the First Presbyterian Church of Princeton, New Jersey, or to the Pediatric Service of the American University of Beirut.

The University community and the many friends and students of the late Dr. J. Leonard Moore offer their sympathy and sincere condolences to members of his family in their bereavement.

New Book on Modern Nationalism of Egypt By Prof. Zayid



From Ahmad Arabi to Gamal Abdel Nasser, a new book on the modern nationalism of Egypt is written by Professor Mahmoud Zayid of the Department of History. Published by the United Publishing House, the book was described as a best seller by the distributors, *An Nahar* group.

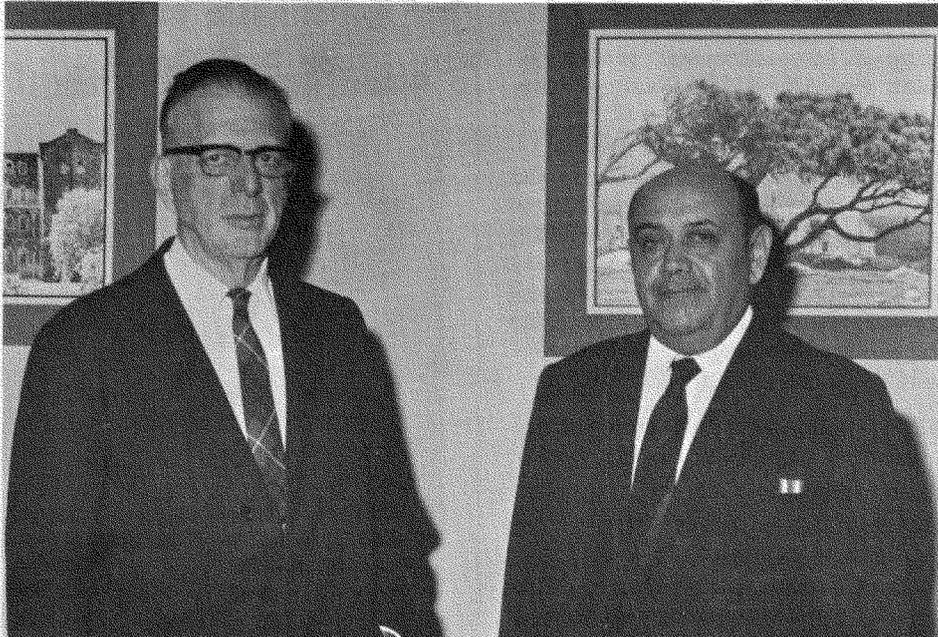
In this book, Professor Zayid reviews Egypt's national movement from the 1870s—when the slogan Egypt for the Egyptians was raised—until her final liberation in the wake of the 1952 revolution.

Egypt's political parties, like the *Wafd*, the Constitutional Liberals and others, are also treated at length in this book.

Extension Programs

The Director of Extension Programs announced the resumption of evening classes May 28 for the 200 students enrolled in special courses usually scheduled on weekdays between 17:30 and 22:00 (except colloquial Arabic scheduled in the morning).

Saudi Businessman Donates LL 10,000 to AUB



Mr. Al-Gosaibi seen with President Kirkwood

Mr. Ahmad Hamad Al-Gosaibi, the well-known Saudi businessman has donated LL10,000 to AUB.

Mr. Al-Gosaibi, was recently treated at AUH for an illness which resisted various treatments in several European hospitals and clinics.

On presenting President Samuel B. Kirkwood with a check for LL10,000, Mr. Al-Gosaibi said he was making this donation in appreciation of AUB's educational services to the Arab world and of AUH's medical services to patients.

New Jordanian Cabinet

The new 19-man Jordanian Cabinet, formed by Prime Minister Zeid Al-Rifa'i who also holds the portfolios of Foreign Affairs and Defence, includes two AUB graduates: Mr. Ghalib Bara-

kat, BBA 1949, who is Minister of Tourism, and Dr. Zuheir Al-Mufti, BA 1944, who is Minister of State for Foreign Affairs.

Dutch Expert Lectures on Aphids

Dr. Hille Ris Lambers, the well-known Dutch expert on the plant epidemic «aphid» has arrived in Beirut at the invitation of the National Council for Scientific Research to study the extent of the spread of this plant epidemic in Lebanon. He will also study what relation «aphid» has in carrying certain viruses to potatoes, as well as the possibility of increasing potato seeds which are free of viruses.

Dr. Lambers is currently making inspection tours of a number of Lebanese districts to collect «aphids». Early this week, he lectured at the AUB Faculty of Agricultural Sciences on the subject of «Co-existence with Aphids.»

Lecture on Persepolis

«Fascinating Persepolis» was the subject of a lecture given in West Hall early this week by Dr. W. Dutz, Professor of Pathology at the Medical School of Pahlavi University in Shiraz, Iran. The lecture, arranged by the AUH Department of Pathology, was a highly interesting presentation on the findings and problems of the ancient site.

A medical faculty member, Dr. Dutz is considered to be an expert on Persepolis. He studied for many years the archaeology, architecture and history of this site, and his research was summarized in a book published last year.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To :

Stamp

.....
.....
.....
.....
.....
.....

Withdrawal From Classes and Duration of the Semester

The following announcement by the Dean of Students was yesterday addressed to AUB students:

Consistent with the extended schedule of classes, and within University regulations, the Registrar has determined that June 8 is the last day on which a student may withdraw from a course of his own volition. This means that the student will not receive credit for that course.

It has been brought to our attention that some students have interpreted the allowable cuts rule in any course as meaning that no attendance is necessary after the 8th of June. This is incorrect. Classes will continue through the 7th of July, and students are responsible for all material covered during that period.

Summer School Begins July 16

AUB has announced changes in the Summer School schedule. The eight-week program originally planned for a July 9th opening will now begin on Monday, July 16th. Registration, however, will take place during the first week in July.

A class schedule will be available in the near future. The usual 50 minute class will be lengthened to about 75 minutes. Classes will continue Monday through Friday, until Friday, September 7th, when Summer School will end.

Ras - Beirut Social Health Center



Social Health Center quarters on Sadat St.

The Ras-Beirut Social Health Center of the Lebanese Public Health Association provided during 1972 a variety of health services, among them:

- 198 Baby Clinics where 2171 babies were examined and treated.
- 112 classes attended by a total of 1134 mothers and expectant women.
- 48 adult clinics treating 255 cases.
- 45 women clinics which examined 31 GYN and 329 antenatal cases.
- 2410 sanitary inspection visits were made, 983 inspections were repeated for control and five fines were imposed by municipal sanitarians. The Center also attended to 274 complaints out of 303 received from the public, and health certificates were provided for 1,420 food handlers and drivers.
- Field training for 238 students in Health fields was provided.
- 1,237 laboratory examinations were carried out both at the Center and AUH.

— A total of 13,829 immunizations against small pox, diphtheria, tetanus, polio, triple vaccine, measles, cholera, typhoid and gamma globulin were provided by the Center.

— 114 family consultations were carried out, and 1715 homes visited.

Besides the physical care provided to the public, a good deal of Health knowledge was disseminated through classes, home visits and family consultations.

The Lebanese Public Health Association (LPHA) was founded in 1948. Its founding members were Dr. Emile Rizk and Dr. Zakan Shakhshiri both MD from AUB, Mr. Edward Manassah (sanitary engineer) and Mrs. Elaine Rihan (social worker). It was later officially recognized as an association of public interest.

With the cooperation and assistance of the School of Public Health

(cont'd on p. 3)

OUR NOTICE BOARD

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation period follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

AJME Sponsor Lecture on Arab Oil

On Monday, June 11th, Americans for Justice in the Middle East (AJME) will sponsor a lecture by Dr. Nadim Pachachi on «Arab Oil as a Political Weapon.» Dr. Pachachi was the Secretary-General of the Organization of Petroleum Exporting Countries (OPEC) in 1971-1972, was previously Iraqi Minister of Economy and Finance from 1952 to 1958, and has served as oil advisor to the Governments of Libya, Kuwait, and Abu Dhabi. The lecture will be held at 7:00 pm in the AUB Alumni Club (between the AUB Faculty Apts. on Abdul Aziz St. and the AUB Hospital). There will be a short business meeting for AJME members after Dr. Pachachi's talk.

Second Meeting of Philosophy Symposium

The second meeting of the Philosophy Symposium for 1972-1973, which was postponed upon the closure of the university in April and May, has been rescheduled for Monday June 11, 1973 at 4:30 pm in room 312 Nicely Hall. Professor Robert Walker will speak on the subject «Making Sense: Toward recovery of the symbol 'God'.» The paper will be followed by a response by Professor Hugh Harcourt, and by a general discussion. All members of the University community are cordially invited to attend.

Folk Dance Festival



One of last year's Festival dances

The American University of Beirut will be holding the annual Folk Dance Festival on Sunday, June 17, at 5:00 pm on the AUB Green Field.

More than twenty groups from various schools, colleges and universities in Lebanon will be participating in the Festival, among them AUB, the Beirut Arab University, the Beirut College for Women, the International College, the Lebanese Evangelical School for Girls, the Ahlieh College, and Ma'aniyah School for Girls.

The Festival is an artistic demonstration of folk dancing. All groups are expected to number 16 dancers or more, and all dance in costumes as authentic as possible of countries that have a rich heritage of folk dancing. The Festival project is a year-round one. When a festival is over, plans are made for the following year and rec-

ords and costumes are ordered.

The festival program is composed of a number of «general» dances of various countries which all groups dance together. These are interspersed with a few «exhibition» dances.

Mr. Nedko Etinoff, chairman of the committee in charge of the festival has declared that the aim of the Folk Dance Festival, which was started in 1950, is to develop a wholesome outdoor active recreation to help participating groups of students develop a fellowship with the students of other schools and an appreciation of their own cultural background and that of other peoples.

The Festival promises to be colorful and gay.

Tickets at LL3, 2, and 1 are on sale at West Hall Office.

Student Council Elections

Elections for the 1973-74 Student Council will take place on June 20, 1973 from 8 am to 5 pm (places of election will be posted later). Nominations should be presented to the Student Affairs Office by Friday, June 15,

1973 at 5:00 pm. Nominees wishing to withdraw can do so by reporting personally to the Student Affairs Office by Monday, June 18, 1973 at 5:00 pm. By-laws governing the election will be issued shortly.

Ras-Beirut Social Health Center

(cont'd form p. 1)

at AUB, the LPHA established in 1952 the Social Health Center (SHC) on Hamra Street at Sadat. The SHC has operated uninterruptedly since that date. Its services include some 4,000 families in a region extending from Ainel Mraisseh to Ras Beirut, through Sakietel Janzir. The School of Public Health contributes substantially to the cost of operating the Center. Four LPHA members who are on the AUB staff devote 20 to 50% of their time to perform the functions of center director, pediatrician, family planning and gynecologist. A public health nurse and a field sanitation technician, also on AUB payroll, devote their full time to the activities of the Center. The School of Public Health provides, as well, the rent for the flat housing the Center, a car, including fuel, and other miscellaneous supplies and services.

AUB supplies approximately 75% of the Center's budget. The balance is covered by financial assistance from the Beirut Municipal Council and, to a limited extent by LPHA dues from membership, fees for services, and social activities. LPHA assumes the moral and legal responsibilities for these activities.

LPHA membership includes physicians, pharmacists, dentists, veterinarians, sanitay engineers, graduate sanitarians, public health nurses, public health educators, nutritionists and public health officers. It is open to all university graduates interested in promoting public health in its broadest sense in Lebanon.

The current LPHA president, Dr. Joseph Asmar, is member of the AUB faculty. Four of the other eight officers on the LPHA Executive Board are also from AUB. All were elected into office as of the beginning of 1973.

LPHA is formally represented on the Higher Council for Public Health and the Parliamentary Committee for Public Health. It cooperates with the Ministry of Public Health and the Municipality of the City of Beirut, and has recently established relations with the Order of Physicians of Lebanon, the Order of Pharmacists, the Order of Dentists and the Order of Engineers. New activities, including research, are under study.

Dr. R. Zaouk Donates LL 3,000 in Annual Scholarship



L. to r. Mr. Nabil Zaouk, Dr. Charles Malik, Dr. Rassem Zaouk, President S. B. Kirkwood, Vice-President G. Hakim.

Dr. Rassem Zaouk, head of the Health Department at the Municipality of Tripoli has donated LL3,000 to be paid annually in scholarship to two Tripolitan students at AUB.

In his letter to the President of the American University of Beirut, Dr. Zaouk pointed out that he is establishing this scholarship fund because he believes in the services which AUB has been offering to succeeding generations in the Lebanon and Arab World.

Dr. Zaouk (MD) said he graduated from AUB and so did several members of the Zaouk family, among them his two sons. He explained that this scho-

larship fund is but an expression of gratitude to AUB and the role it has played in developing this part of the world through AUB graduates in the various fields. He added as well that this scholarship is in support of the University's message and motto: That They May Have Life.

Dr. Zaouk presented a cheque for the above amount to President Samuel B. Kirkwood in the presence of Vice President George Hakim and Dr. Charles Malik. He expressed the wish to have this scholarship divided equally between two Lebanese students from Tripoli.

Mrs. Kate Seelye, Teacher in Beirut

Word has just been received of the death of Mrs. Kate Seelye in Syracuse, New York. Mrs. Seelye's husband, Professor Lawrence H. Seelye and her son-in-law, Professor Peter Franck were on the faculty of both AUB and Robert College in Istanbul. Mrs. Seelye

taught at BCW in Beirut and the American College for Girls at Arnaoutköy on the Bosphorus. She is survived by three daughters and a son, Talcott Williams Seelye, US Ambassador to Tunisia.

79th Fieldday Postponed

The Director of Athletics, Mr. Abdus-Sattar Tarabulsi has announced that the traditional Fieldday is now postponed until further notice.

In Recognition OF HIGHEST ATTAINMENT OF SCHOLARSHIP

The following students have been placed on the Dean's Honor List of the School of Nursing for the Fall Semester, 1972-73.

BACHELOR OF SCIENCE IN NURSING PROGRAM

Class of 1973

Nuhad Bu-Raad	82.86
Mary Sarkis	82.17

Class of 1974

Muna Kaidbey	80.47
--------------	-------

Class of 1975

Hilda Baran	84.64
Silva Gudukian	84.12
Leda Zanojan	82.94

NURSING DIPLOMA PROGRAM

Class of 1973

Sossi Hamalian	88.34
Madlen Mekhitarian	87.71
Annie Manoukian	87.53
Huda Mehyo	84.46
Majidah Awdeh	84.23
Grace Dokouzlian	83.28

Class of 1974

Ahmad Ali	90.00
Naifa Rashed	86.75
Alice Loshkhadjian	85.75
Maurice Tamir	85.00
Maral Khatchadourian	84.37

Class of 1975

Artin Kurdian	81.70
Ahmad Suleiman	80.41

ADMINISTRATION AND TEACHING OF NURSING PROGRAM

Yasir Talhami	86.47
---------------	-------

Placement on the Dean's Honor List requires the student to have a minimum grade average of 80; rank in the upper fifteen per cent of her or his class; and have no failures or course repetition in the current semester.

Horncastle Donates LL 3,000 For Scholarship Funds



L. to r. Vice-President G. Hakim, Mr. F.N. Sfeir, President S. B. Kirkwood, Mr. Ahmad Hamad Al-Gosaibi.

The Horncastle insurance firm has donated scholarship funds of LL3,000 to be awarded to two needy and outstanding students in Business Administration at AUB. The gift was presented by Mr. F.N. Sfeir, Director of Horncastle in Beirut

President Samuel B. Kirkwood said

AUB was grateful for this contribution to the scholarship fund. President Kirkwood explained that such gifts are immediately matched by equal amounts under the special terms of a matching grant from the Rockefeller Foundation, thus doubling their value to the University.

FAS Department Chairmen Appointed

Before he left last week for the US on retirement as Dean of the Faculty of Agricultural Sciences (FAS), Professor S.P. Swenson announced the following appointments of Department Chairmen for 1973-75 :—

<u>Department</u>	<u>Chairman</u>
Agricultural Economics & Sociology (AES)	Dr. Fawzi Al-Haj, Associate Professor of Extension Education
Animal Production & Protection (APP)	Dr. Nuhad Dagher, Associate Professor of Poultry
Crop Production & Protection (CPP)	Dr. Salah Abu-Shakra, Associate Professor of Agronomy
Food Technology & Nutrition (FTN)	Dr. James W. Cowan, Professor of Food Technology & Nutrition
Soils & Irrigation (SI)	Dr. Kermit C. Berger, Professor of Soils

In his announcement, Professor Swenson said he made the appointments after consultation with individual faculty members of the five FAS departments, and was sure the new chairmen, in their important assignments, would receive the cooperation and support of all FAS faculty members.

Professor Swenson concluded by thanking the outgoing chairmen for their services and cooperation during the past two years.

Early Retirement Plan For Non-Academic Personnel

At its meeting last March, and subject to a trial-period of one year, the AUB Board of Trustees approved a policy pertaining to the early retirement of non-academic personnel who, normally, retire at the age of 65.

Traditionally, workers and employees have been continued in the employment of AUB until they reach retirement age regardless of ability to perform their assigned jobs. It is a rare occasion when a worker is relieved from his assignment due to ill-health, infirmity, or a non-work connected accident. When this does occur, the individual is placed in another job somewhere within the University, in order to carry him through until he reaches retirement age. This practice, while compassionate, does not, of course, lend itself to maximum productivity.

The urgent need to improve performance in the work force and reduce unnecessary sick leave has preoccupied the University which is anxious to reduce unnecessary expenses and, for this purpose, has adopted a plan for «the early retirement of the disabled and the infirm.» Several firms and business concerns in the Mid-East have developed similar plans and are satisfied with the results. The Plan has been thoroughly studied by representatives of the departments most concerned, including representatives of the Syndicate, to ensure that it will work.

The Plan provides for the establishment of a Retirement Committee to review the cases of employees and workers who can no longer perform their work properly because of disability, chronic illness or infirmity. In reviewing each case the Committee will recommend continuation, reassignment to another job where the employee or worker can be used effectively, or termination. If terminated, and in order to mitigate the problems of early retirement, the Committee may grant a gratuitous

lump sum payment, ranging from 0% to 200% of indemnity, the amount of the gratuity to be determined on the basis of age, degree of disability, years of employment, etc. Any gratuitous payment would be in addition to indemnity. The ex-gratia payments, whatever the amounts, will represent a compassionate action by the University over and above the legal dues and shall in no way be regarded as a permanent or continuing policy.

The University which is confident that the Plan will work as designed, believes it is advisable to implement it for a trial period of one year before recommending its continuation or revision or discontinuance.

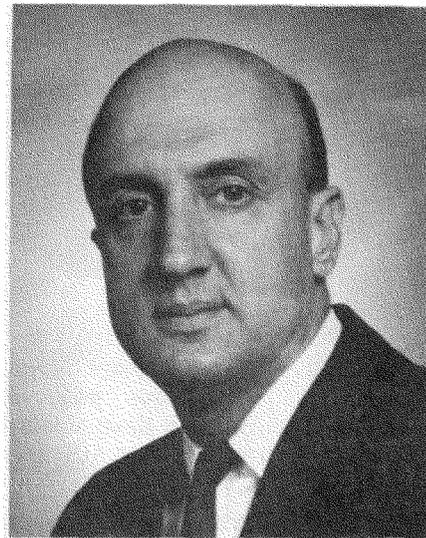
The Plan, as approved by the Board of Trustees, shall apply to all non-academic employees and workers employed full-time with the University and governed by the Lebanese Labor Law.

The procedure to be followed in the implementation of the Plan provides that an employee or worker who is declared disabled by the Dean or head of the department concerned shall be referred to the Director of the University Health Service who will report to the Director of Personnel on the physical condition of the employee or worker.

The Retirement Committee for Non-Academic Personnel will then be convened by the Director of Personnel to review and discuss the report in the presence of the Dean or head of the department concerned. When all aspects of the case are reviewed the Committee will recommend appropriate action which can include reassignment, training, additional period for reconsideration, or termination.

In a recent circular, the Director of Personnel has asked heads of departments to submit the names of disabled personnel to the Director of the University Health Service and have such persons make appointments for the necessary examinations immediately and as each case occurs in the future.

Alumnus Honored At Michigan State University



Dr. Fauzi M. Najjar (AUB 1948) has been honored with a Distinguished Faculty Award by Michigan State University. Dr. Najjar was one of 16 faculty members at MSU cited at the 1973 Awards Convocation and State of the University Address late last month.

All the awardees were given certificates and a check for \$1,000. As a yearly tradition, Michigan State honors faculty members who have distinguished themselves in the fields of teaching, research and public service. These professors are selected on the college level by college committees.

Dr. Najjar received his bachelors degree from AUB; and his masters and doctoral degrees from the University of Chicago. He was an instructor in political science at AUB from 1954 to 1955. He also taught at the University of Chicago, before joining the social science department at MSU's University College in 1958.

Extension Programs

The Director of Extension Programs announced the resumption of evening classes May 28 for the 200 students enrolled in special courses usually scheduled on weekdays between 17:30 and 22:00 (except colloquial Arabic scheduled in the morning).

Academic and Dollar Payroll Dates for June

Due to the extension of the spring semester, the scheduled pay days for the academic and dollar payrolls has been changed from June 19, 1973 to June 28, 1973.

AUB In The Press

Bank Manager

An-Nahar reports that Professor R. Karoglan, Chairman of the AUB Department of Economics has been appointed by the Board of Directors of the National Bank for Industrial and Touristic Development as this bank's Credit Manager.

MEMA

The weekly English Language *Sketch* devoted last month three pages to cover the 23rd Middle East Medical Assembly which was held at AUH early in May.

The weekly says the topics discussed at MEMA scanned a wide area, from hypertension, cancer and mental retardation to diseases specific to the region, such as goiter and «familial hypercholesterolemia.»

It interviews Doctors Amal Kurban, Suhayl Uthman, Munib Shahid, Samir Najjar and Donald McLaren, all of AUH.

Graduate and Former Faculty Honored

Eta Kappa Nu, the electrical engineering honor society, was reported in the monthly *IEEE SPECTRUM* of New York, N.Y., to have selected Dr. George P. Shuraym as the Outstanding Young Electrical Engineer of the United States in 1972. The monthly mentioned that Dr. Shuraym is a graduate of AUB (BE '62), and also a former assistant professor of the University.

Travel Seminar

The Gary Post-Tribune and *The Times*, Ind., reported recently that for the second successive year, Professor Fedor I. Cicak of the political science faculty at Indiana University Northwest will be conducting a travel seminar soon to the Middle East where the group will visit several universities, among them AUB.

Authority on Near East



Dr. R. B. Winder

The Princeton, N.J. *Lawrence Ledger*, and the Princeton, N.J., *Packet* reported the recent promotion of Dr. R. Bayly Winder, an authority on the history and culture of the Near East, to the newly created position of Dean of New York University's Faculty of Arts and Sciences.

Dr. Winder, author of numerous books and articles on the Near East and Islamic culture, served from 1942-45 as a volunteer in the ambulance corps of the American Field Service. Dr. Winder, the papers said, first taught at AUB, leaving here in 1949 for Princeton, where he was member of the faculty for 14 years.

The paper also mentions that Mrs. Winder is the former Viola Hitti.

Beirut

The Flint Journal, Flint, Mich, the Amarillo, Texas, *Globe Times*, the Springfield, Mo., *Leader and Press*, and the Woonsocket, R.I., *Call and Reporter* have published a report on Beirut by Mr. Holger Jensen who refers to AUB as the largest of Beirut's universities.

Former AUH Staff Serves in Ras al Khaima



Miss Kathy Diem

The Lancaster, Pa., *Intelligencer Journal* said recently that a commissioning service was planned for Miss Kathy Diem before her departure to serve in Ras-al-Khaima, Arabia, as a nurse and nurse-midwife. Miss Diem, the paper said, was previously with the American University Hospital in Beirut.

Astronomer by Accident

The *Los Angeles Times* reported the death, at the age of 90, of the internationally noted astronomer, Dr. Alfred H. Joy who had «collected» and catalogued more than 6,000 stars.

The paper, which reported that Dr. Joy worked for the past 25 years, without pay, at the Pasadena offices of Hale Observatories (Mt. Wilson and Palomar), said he became an astronomer by accident while teaching physics at AUB. The University's astronomy professor died and the young physicist took his place.

Former Member of Community Addresses Assembly

The Eensburg, Pa., *Mountaineer Herald* and the Indiana, Pa., *Gazette* published a report on the West Central Assembly of Christian Churches in Pennsylvania, and mentioned that Mr. Joseph W. Weiss was to be the guest speaker. The report said Mr. Weiss was chaplain for the American Community School in Beirut, and attended AUB.

Prof. Kalayan on Layout Proportions of Temples

The research conducted by Professor Haroutune Y. Kalayan of the Faculty of Engineering and Architecture on the lay-out proportions of Temples has resulted in showing that any temple's lay-out dimensions ratio of width over length is equal to the square roots of N plus or minus one over N multiplied by $1/X$. The planners must have used a right angle triangle whose one leg is unity, and that is why there has not been found any perfect square monument or altar.

X is an irrational number in most of the Greek temples.

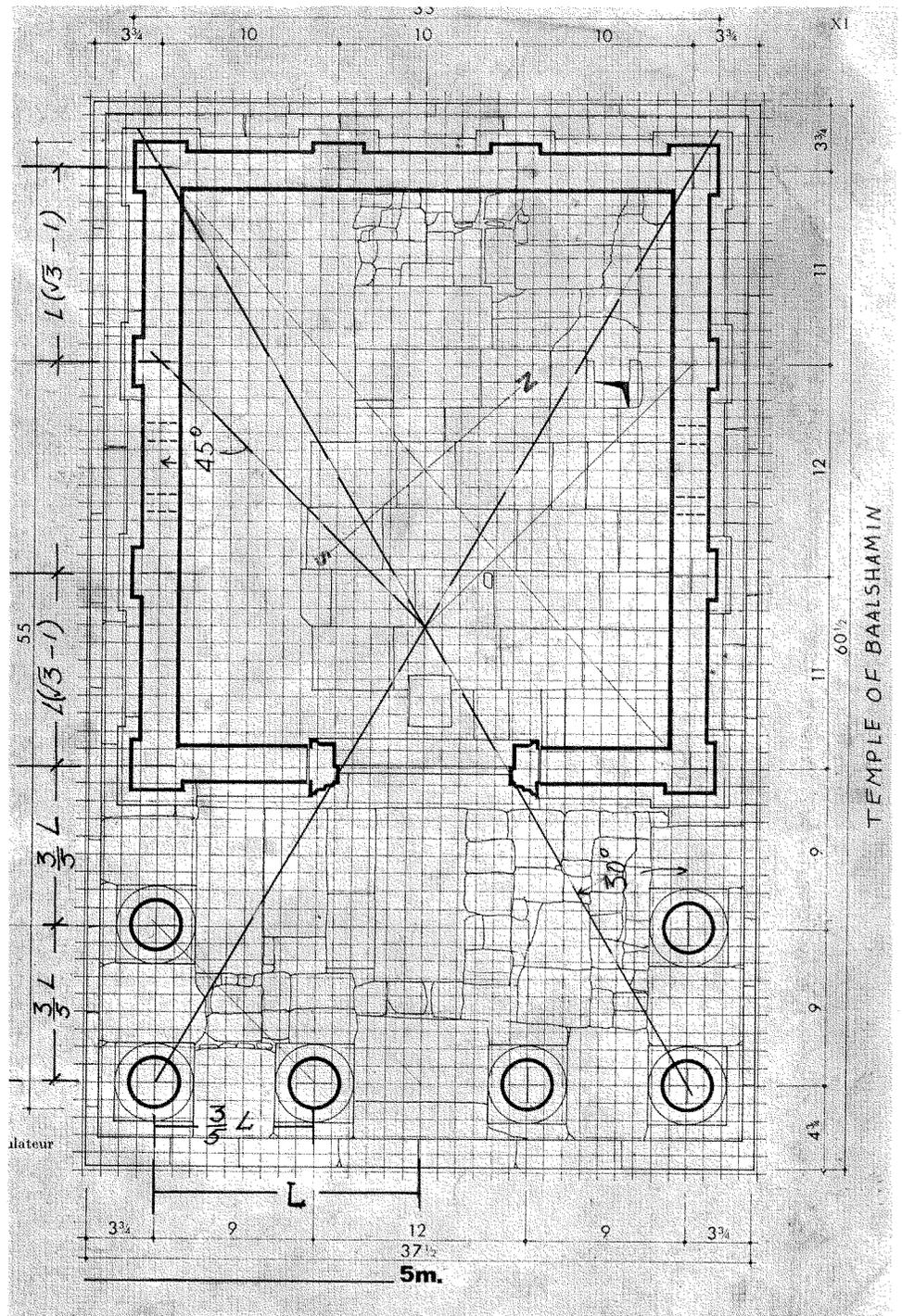
In Roman period temples, X is a whole number. This explains the statement of Vitruvius (a writer on Architecture in first century A.D.) that the width of the temple is one half the length practically.

In the recent issue of the *Annals of the Syrian Antiquity Department*, Prof. Kalayan has published a study on the proportioning of the Temple of Baalshamin in Palmyra, where the proportion is the square root of $4/3$ multiplied by $1/2$.

Another article on the Temple of Bacchus of Baalbek is in press for the *Bulletin du Musée de Beyrouth*; the proportion is the square root of $48/49$ multiplied by $1/2$.

All the features of the Temple of Jupiter of Baalbek, courtyard and the monuments in the court yard are based on the form of the square root of $10/9$ multiplied by $1/X$.

It has also been found that the framing of the Mosaics of the Roman period as well as the mosaics of Byzantine churches in Lebanon obey the same law. This fact further proves that the mosaic pavers of the churches were apprentices of pagan pavers with all their geometric tradition. Byzantine churches obey architecturally the same Geometric Law. Armenian churches have the same proportioning with X equal to the square root of 2 for rectangular churches, showing that the Master Mason Architects of Armenian churches, in proportioning, are apprentices of Greek temple builders. It is curious to note that the Armenian miniature designers have framed miniatures with the same proportioning, one dimension used is $2/3$ which is the square root of $8/9$ multiplied by the square root of $1/2$.

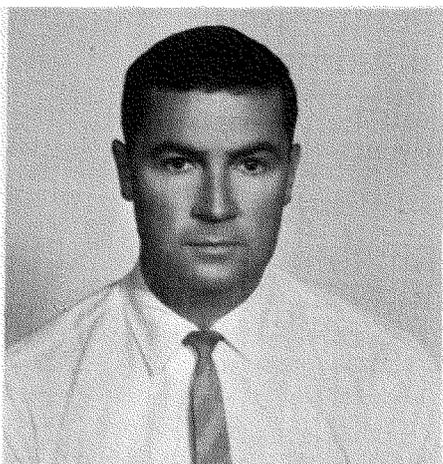


Temple of Baalshamin

At present, the photographic dimensions for a harmonic print obey the same rule, thus $6/9$ is the square root of $8/9$ multiplied by the square root of $1/2$, $13/18$ is the square root of $24/23$ multiplied by the square root of $1/2$, $18/24$ is the square root of $9/8$ multiplied by the square root of $1/2$.

Prof. Kalayan hopes to publish, in the near future, an analysis of the temples of Lebanon and of the temples whose plans with exact measurements are published and available in Lebanon. His research is subsidised by the Faculty of Engineering and Architecture.

Professor James Cowan Appointed Acting Dean of Faculty of Agricultural Sciences



Prof. J. W. Cowan

President Samuel B. Kirkwood has announced that with Dean Stanley Swenson's departure he has asked Professor James W. Cowan to act as dean of the Faculty of Agricultural Sciences until such time as a new Dean is appointed. Professor Cowan has accepted his new appointment, effective June 1, 1973.

Professor and Mrs. Stanley Swenson left Beirut on June 2nd, en route to USA. After July 31st, their address will be:

25820, Cherry Hills Blvd.
Sun City, California 92381

Renowned Agriculturist Named AUB Trustee

Mr. Howard W. Page, Chairman of the Board of Trustees of the American University of Beirut, has announced that Dr. Orville G. Bentley, Dean of the College of Agriculture at the Urbana-Champaign campus of the University of Illinois, has been elected a trustee of AUB.

Dr. Bentley, a native of Midland, South Dakota, received his training in agricultural biochemistry, earning his B.S. from South Dakota State University, and his M.S. and Ph.D. from the University of Wisconsin.

Dr. Bentley had a distinguished career in the departments of animal science and agricultural biochemistry at Ohio State University from 1950-1958. In 1958 he returned to South Dakota State University to take the position of Dean of the College of Agriculture and Biological Sciences, a position which he held until 1965. Since that year Dr. Bentley has been Dean of the College of Agriculture at the University of Illinois in Urbana.

Dr. Bentley's deep interest in the field of international agriculture is evidenced by the role of his college in overseas contracts in India, Sierra Leone, and South America. In addition, he has served as a member of the Council of U.S. Universities for Rural Development in India, and on the board of directors of the Midwest Universities Consortium for International Activities.



Dr. O. G. Bentley

Among the other organizations of which Dr. Bentley is an active member are the American Society of Animal Science, the American Chemical Society, the American Institute of Nutrition, the International Union of Nutritional Sciences Farm House (honorary), Phi Kappa Phi, Sigma Xi and the Rotary Club. He is also a member of the Farm Foundation Board of Trustees and the Foundation for American Agriculture Board of Trustees.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To:

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 25

THURSDAY, JUNE 14, 1973

Special Summer Programs

The Division of Extension and Special Programs is sponsoring a number of Special 1973 Summer Programs by making AUB's educational competencies available to the countries of the region in the development of human resources.

These non-degree programs are offered as in-service, refresher, and advanced education in areas of interest to the region. Dr. Louis Cajoleas, Director of Extension and Special Programs, has announced details of four programs scheduled for next July and August.

The Summer Programs include the following:

● Management Development Program (July 11-August 1).

● Library Institute on Arabic Language Materials (July 11-August 8).

● Secondary School Administrators Workshop (July 11-August 19)

● Secondary Teachers Institute — Teaching of Chemistry (July 11-August 19)

● Secondary Teachers Institute — Teaching of English (July 11-August 19)

● Colloquium on University Education for Administrators (July 18-August 1)

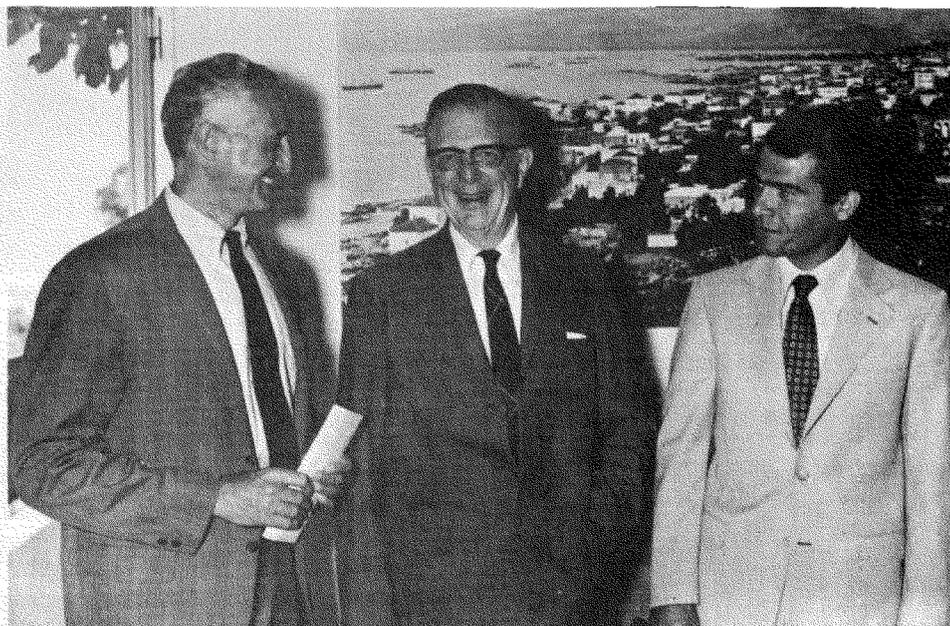
The BULLETIN is reproducing below a description of the first two programs. The remaining programs will be published in the coming two issues.

Management Development Program July 11-August 1, 1973

This is the 17th annual program addressed to managers. It is designed to give an intensive experience to top and middle managers of the Arab World and is one of the most modern programs of managerial training and the most relevant program offered in this area. It focuses on the management process rather than on specific managerial functions (e.g. production,

(cont'd. on p. 2)

Chemistry Invention at AUB



L. to r. : Prof. C. Issidorides, President S. B. Kirkwood, Prof. M. Haddadin.

At a brief ceremony late last month President Samuel B. Kirkwood distributed funds resulting from two inventions by AUB Professors Costas Issidorides and Makhlof Haddadin. The inventions cover synthetic procedures used in the production of quinoxaline-di-N-oxides. A total of \$134,869 was distributed among the University and Professors Issidorides and Haddadin under an agreement with the Research Corporation of New York, a non-profit organization for the advancement of science, the activity of which includes

assisting scientists in the evaluation, patenting, and licensing of inventions.

The method developed by the two AUB professors is a one-step synthesis of compounds possessing a high degree of antimicrobial and antiviral activity. Known as the Beirut Reaction, this method not only eliminates several cumbersome steps required to make quinoxaline-di-N-oxides, and phenazine-di-N-oxides, but also makes possible the synthesis of compounds previously inaccessible.

Provost Thabet, who was among others who encouraged and pioneered research at AUB, paraphrased the words of George Bernard Shaw in commenting on the achievement of AUB chemists: There are those who can do, and there are those who can teach... AUB is fortunate to have faculty who can do both, he said.

In a declaration to the BULLETIN, Professor Makhlof J. Haddadin said he began work at AUB in October 1964

(cont'd. on p. 7)

Program Study Decisions Clarified

See pages 4, 5, 6 for President Kirkwood's statement clarifying points raised by the Student Council concerning program study decisions.

Alumnus Appointed Research Vice President For Sterling Drug Inc.



Dr. A. Farah

The recent appointment of Dr. Alfred Farah as vice president for research for Sterling Drug Inc. and chairman of the Sterling-Winthrop Research Institute division was reported in several US papers.

Dr. Farah received his BA and MD degrees from AUB where he also taught pharmacy from 1940 to 1945.

Dr. Farah was consultant in pharmacology to the Institute above for many years before he joined Sterling in 1968 as associate director of the Sterling-Winthrop Research Institute division. In 1970, he was director of the biology division of the Institute.

Before joining the Institute, Dr. Farah was professor and chairman of the pharmacology department at Upstate Medical Center, State University of New York at Syracuse, where he had taught since 1950. He was previously a visiting lecturer and research fellow at Harvard School and an assistant professor of pharmacology at the University of Washington. Among Dr. Farah's research interests are cardiac and kidney pharmacology, diuretics and secretory activity of the kidneys, and enzyme inhibitors.

Dr. Farah is a member of the American Society for Pharmacology and Experimental Therapeutics, American Heart Association, New York Academy of Sciences and an honorary member of the German Pharmacological Society.

K Cola Scholarship at AUB



L. to r. : Mr. Usama Namani, Mr. Hanna Sawan, Dean E. T. Prothro.

Mr. Hanna Sawan, General Manager of K Cola presented last month a check for LL1,000 to Dean Edwin T Prothro and Mr. Usama Namani representing the Arts and Sciences Student Society. Mr. Sawan stated that he hoped this donation would be the first of an annual K Cola Scholarship

for a needy student in Arts and Sciences.

There are three AUB graduates at K Cola (Lebanese Industrial and Commercial Corporation): Hanna Sawan MA Economics, 69; Sami Ghazal, BBA, 62; and Hubayka Hubayka, BBA, 67, working for his MA.

Special Summer Programs

(cont'd. from page 1)

marketing and finance). Both behavioral as well as quantitative decision making skills are stressed. There will be concentrated sessions on communication, leadership, organization structure, decision-making with strong emphasis on human relations.

At the request of various sponsors, the language of instruction will this year be Arabic. This would also make it possible for Arab candidates who have no command of English to participate.

Professor Nabil Shaath, the Program Coordinator, assisted by other professors of the AUB Business Administration Department, will remain with the participants throughout the 3-week program including coffee-breaks and lunch times. The program will be conducted at the Beau Rivage Hotel, one of Beirut's first class hotels.

The program has developed significantly during the last three years and has become one of the most popular and respected programs in the area. Its enrollment has jumped from 10 participants in 1971 to 25 in 1972. So far this year 40 applicants have been accepted.

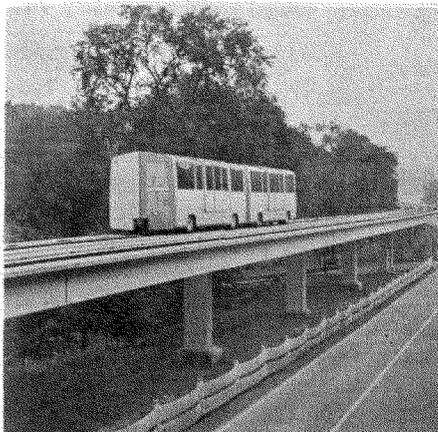
Library Institute on Arabic Language Materials

July 11-August 8, 1973

This four-week course will be exclusively devoted to library materials in the Arabic language. It is intended for library personnel whose work is mainly in this area and will deal with detailed and technical aspects, rather than with theoretical problems. Lectures will be concerned with all aspects of Arabic Language Materials; acquisition of books and serial publications, reference methods and materials, documents bibliography and cataloguing and classification of books and serials.

This institute is offered by the staff of the AUB Libraries; it is being organized under the supervision of Mr. Ritchie Thomas, Associate University Librarian of AUB. Lectures and discussions will be conducted in Arabic. Participants will be expected to take an active part in class discussions and to complete assignments on related library problems. Field trips will include visits to selected libraries in Beirut.

Prof. Chmielewski Lectures on Automated Mass Transit



Transit Expressway demonstration

The lecture given on Thursday June 7 by Dr. Jerome Chmielewski at the AUB faculty of Engineering and Architecture on Automated Mass Transit was attended by a good number of Engineering faculty members and graduate students.

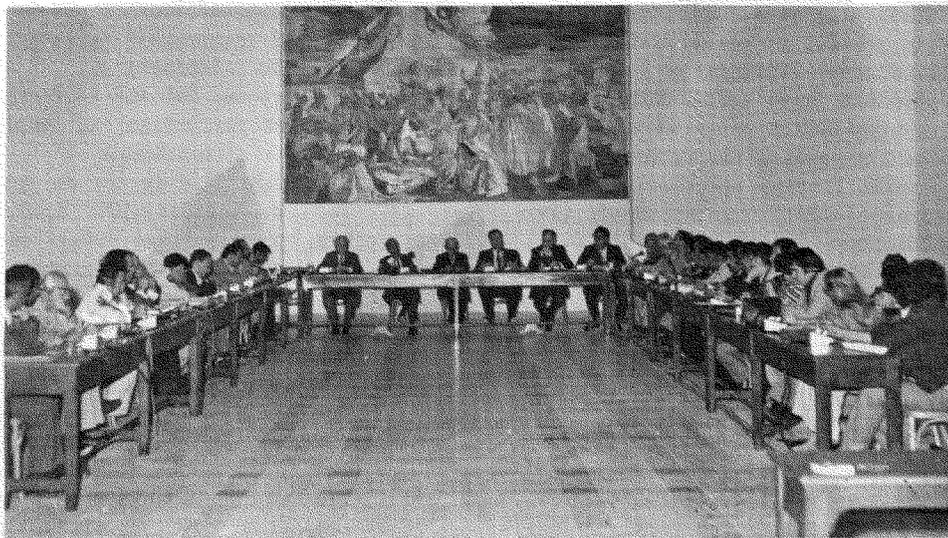
Dr. Chmielewski, professor at the University of Pittsburgh and visiting professor at AUB for this year was an engineering consultant to the MPC Corporation, an affiliate of the University of Pittsburgh and the Carnegie-Mellon University, which participated in the Transit Expressway mass transportation demonstration project at South Park, Allegheny County, Pennsylvania.

The Transit Expressway (TE) at South Park is an experimental project aimed at developing and building the Transit Expressway Revenue Line (TERL) for the Pennsylvania urban area, a completely automatic system requiring no operator on board, run and controlled by a computer. The project is financed by the Port Authority of Allegheny County (PAAC), the Federal Government of the US, and the Westinghouse corporation, builder of the project, as well as other institutions.

The lecturer showed three short films, one on the South Park project, one on the system in operation at Tampa International Airport, Florida, and one on the system in operation in Seattle Tacoma Airport in the Seattle area, in Washington State.

The films were followed by a series of slides with a commentary by Dr. Chmielewski, illustrating the South Park project together with a feasibility study of the project for 26 years.

AUB Participates in Conference on Protection of Mediterranean Against Pollution



Opening Session

The World Intercommunal Conference For the Protection of the Mediterranean Sea Against Pollution was held last week at the Palace of UNESCO under the auspices of His Excellency the President of the Republic, Mr. Sleiman Franjieh.

Organized by the United Cities Organization, the Arab Cities Organization, and the Municipal Council of Beirut, the 3-day conference was attended by participants and observers from many Mediterranean cities. The primary aim of the conference was to formulate the «Beirut Charter» which stipulates the basic principles and objectives to be adopted by all the cities concerned in their joint effort to prevent and control pollution of the Mediterranean.

Delegated by President Samuel B. Kirkwood to represent the University at the request of the Beirut Municipal Council, Professor Aftim Acra, Associate Professor of Sanitary Chemistry, and Chairman of the Department of Environmental Health at the AUB School of Public Health, was appointed member of the Lebanese Technical Committee. Professor Acra also presented a paper to the conference en-

titled: Protection of the Lebanese Coastal Waters and Beaches—Principles and Guidance. In his presentation, he briefly reviewed the current situation relevant to marine pollution in Lebanon. Pointing out the deficiencies and drawbacks, he laid down the principles for future action. His theme was intended to place emphasis on research and training as a fundamental step for proper planning and future action.

Professor Acra also submitted five written recommendations for consideration at this conference and at two other conferences to be held next year, 1974, in Sicily and Yugoslavia as a follow-up to the Beirut Charter.

These recommendations provide for the establishment of two regional research and training centers with objectives, functions, and services to be restricted to the Mediterranean. One centre to serve the Eastern Mediterranean Basin, with the suggestion of Beirut as a favourable location. The other center to serve the Western Mediterranean Basin, and to be located in one of the European countries bordering the Mediterranean.

University Chapel Services

Chapel worship services for members and friends of the AUB community are held each Sunday morning during the academic year from 9:30 to 10:00. A coffee and conversation pe-

riod follows the service in the Faculty Lounge. Child-care for pre-school children is available in the Chaplain's residence just behind the Observatory.

PRESIDENT KIRKWOOD CLARIFIES AGAIN PROQ

Early this week, President Samuel B. Kirkwood addressed the following letter to the President of the Student Council in reply to his letter of last Thursday which raised a number of points concerning the decisions of the Board of Trustees and the recommendations of the Program Study Committee:

June 11, 1973

Mr. Mohammad Dajani-Dawudi
President
Student Council
American University of Beirut

Dear Mr. Dajani:

I have your letter of June 7, 1973, requesting additional clarifications on some points raised by the special Student Council Committee on issues relating to the Program Study. Your questions are pertinent and, as the Student Council, you should be kept informed of decisions that concern the student body.

The Board of Trustees has made certain decisions following their examination of the reports of the Program Study Committee. I discussed these with you and the Council on my return from the Board Meeting last March. Since then, several Faculty Committees as well as your Council Committee have been studying the means of implementing these decisions. I am pleased to answer the further questions that have been brought up by your Committee since our earlier discussions and my previous letter of April 7, 1973. The academic program is the essence of the University and must be kept under constant and continuing consideration. I can assure you that this is the intention of the Board, the Faculties and the Administration.

Unfortunately, many rumors based upon misinformation have arisen and have led to confusion. The following answers, I believe, will give you—and carry to all students—the information needed fully to understand these decisions and to help in working out ways of implementing them. In the text that follows, the specific questions you raised are numbered as in your letter and are underlined.

1. *On the proposed increase in tuition fees*

- a. The amount of the increase and the percentage of total fees that it represents

ANSWER: This is not as yet decided. A gross 10% figure has been used for budget estimates, but the final amount, within that order, will be determined by taking into consideration monetary inflation, increasing costs, and projected deficits. Nevertheless, the increase in tuition will not exceed the present proportional ratio of the student's tuition to the actual cost of educating him, which is currently about 20%.

The University must seek every possible means for meeting its growing deficit. At a time when inflation has become worldwide, educational institutions cannot maintain the same academic standards, much less raise them, without additional resources.

Along with increase in tuition the budget also includes an increase in student aid and an increase in scholarships for new students. Furthermore, no student will be allowed to drop out of the University because of financial hardship caused by the increased tuition.

- b. The date on which the increase will be applied.

ANSWER: The increase will begin with the academic year of 1974-75. There will be no increase in the tuition in the next academic year of 1973-74.

- c. The categories of students (new, old) who will be affected by it.

ANSWER: This is still under study. Several *possibilities* exist. The increase may apply to

- all students,
- entering students only,
- entering students, with a three- or four-year guarantee,

- each faculty separately, or
- undergraduate and graduate levels separately.

For instance, a general increase may be made affecting all students. Or the increase may be applied only at the entering classes with a guarantee of no further increases during their following three years. These decisions will be taken after further discussion with all concerned.

2. *On the Pre-Sophomore Program*

- a. The rationale of the Program
ANSWER: The program is intended to help students whose secondary school training is inadequate for them to enter the University at the Freshman level.

At present, students with the Lebanese Baccalaureate Part II, or its equivalent, enter directly at the Sophomore level. All other holders of national certificates, who are eligible, enter at the Freshman level unless they pass *full* entrance examinations to the Sophomore class. Up to now those who cannot thus qualify for either Freshman or Sophomore have been excluded entirely from the AUB and have in many instances gone to other universities away from the Middle East. The new program is directed toward providing these students the opportunity of staying in the Middle East. Many parents of students have expressed their support of such a program.

A partial answer to this difficulty is the UOP, which provides special study for those whose *only* deficiency is in English. The new program proposes to give opportunity to candidates with weaknesses in other subjects as well. The present UOP and Freshman year programs will continue. Under the total program of teaching before the Sophomore class, there will be three groups of students.

M STUDY DECISIONS OF BOARD OF TRUSTEES

1 — Those in the present UOP

2 — Those in the present Freshman Year

3 — A new group who will take general or special courses with extra tutoring (as in the present UOP) covering their particular deficiencies, preparing them, after spending the necessary time to qualify, to enter the Freshman and Sophomore years—an expanded UOP.

This Expanded UOP is not designed to be a substitute for the entire secondary school training but would provide on an individually adjusted basis additional training for those who have finished their secondary schools but are still unable to qualify for admission to the University.

Those who take Freshman Year will pay the regular Freshman tuition. Those who take the existing UOP will pay the established tuition for UOP. Those who take the Expanded UOP, as described in «3» above, will pay rates equivalent to the existing UOP to cover the costs of the extra tutoring.

b. The faults in the present program which have made the recommendation for its elimination acceptable

ANSWER: The present UOP and Freshman Year are *not* being eliminated. The present programs are good but are not extensive enough. An expansion, such as proposed, will increase the usefulness of the University to serve its region.

c. The proposed criteria for admission to Pre-Sophomore and Sophomore Classes

ANSWER: The criteria for the UOP, the Freshman and Sophomore Classes will remain as they are at present. Entry to the *new* category of the Expanded UOP Program, rather

than the regular Freshman or Sophomore Years, would be required when the student cannot meet the regular standards but is otherwise qualified.

The *new* program cannot be implemented before the academic year of 1974-75.

3. *On the proposed «full» entrance examinations*

a. The categories of students for whom these examinations will be obligatory

ANSWER: These tests are *not* the University's regular entrance examinations. They are special *aptitude* tests designed to evaluate the applicant's capacity and interests in university level studies. They will be used as *one* of the criteria in the selection of students and will not be the *sole* factor in determining acceptance. Therefore, the aptitude test is one of several requirements to be included in the candidate's folder, together with letters of recommendation, grades and others now required. They will be used also as an aid in identifying the placement of students.

Some confusion has resulted from the fact that the aptitude tests were not ready when this matter was first considered and the regular entrance exams were being considered as a substitute. Aptitude tests are now available.

With the increasing demand by students of the area for admission to AUB far exceeding the number of available spaces and with the varying standards from school to school, reliance only upon the student's transcript and recommendations is becoming insufficient. The University must gain as much objective information about the applicants as possible in order to make fair judgments.

All qualified applicants will be given the aptitude tests, beginning with those applying

for the academic year 1974-75.

b. The evaluation criteria to be used in these examinations (the passing grade and the weight to be given to each subject)

ANSWER: The aptitude tests will be graded and weighted according to professional standards determined by the AUB Office of Tests and Measurements. But since it is an *aptitude* test, there is no pass or fail.

c. The proposed solution to the language barrier problem

ANSWER: These tests have been designed by the AUB Office of Tests and Measurements specifically for students from the Arab World. The Office has had more professional experience in this area than any other group and is well equipped to recognize the language heritage. The tests are now written in English and Arabic. But it must be recognized that for a student to benefit from the education of the University an adequate knowledge of English is essential, and that a grasp of English sufficient for him to follow lectures should permit him to take the tests without difficulty.

4. *On scholarship funds*

a. The proportion of the proposed increase in scholarship funds

ANSWER: Scholarship funds will be increased by whatever amounts are necessary to meet extra need due to the tuition increase. These funds have been provided for in the budgets.

b. The members of the Scholarship Committee and student representation on the Committee

ANSWER: The present members of the University Scholar-

(cont'd on next page)

(cont'd. from p. 5)

ship Committee are the Vice-President for Public Relations, the Dean of Students, the Academic Advisor, the Comptroller, and faculty and student representatives from each of the four Faculties and a representative from the Alumni Council.

Students are represented on the University Committee but not on the Faculty Committees. Policies are determined by the University Committee, but actual assignment of the scholarships are made by the Faculty Committees. Students have not been accepted for membership on the Faculty Committees (by Senate and Faculty votes) because of the confidential nature of family income data and the possible conflict of interests in actions involving the disbursement of funds to individual students. Students themselves have expressed their fear of discrimination.

- c. The major criteria to be adopted in dispensing scholarships (need, academic performance, etc.)

ANSWER: *Scholarships* are given to students with regard to their academic standing; financial aid is available in response to demonstrated need. Except when the scholarship is designated as a prize for academic excellence, demonstrated need *and* academic standing are both used as determining criteria. Insofar as resources are available for students applying for financial aid, demonstrated need is the major criterion used. If funds are limited, academic standing is also considered. Donors at times indicate additional criteria.

- d. New students' eligibility for scholarships

ANSWER: New students have always been eligible for scho-

larship assistance, but funds have been very much limited in the past. Such funds will be increased in the future so that outstanding students are not prevented from entering the University because of financial restrictions. Clearly, such scholars must be of high caliber.

- e. The percentage of total University expenses which the proposed scholarship funds represent

ANSWER: This percentage depends upon the base used. Such funds are 13% of the actual educational costs, including research and pro-rata administration expenses. They are 8% of the total costs of the University, including the Hospital and all auxiliary enterprises.

54% of all students receive some form of scholarship or financial aid.

5. General

- a. The argument in favor of eliminating the Mass Communications major, which the Committee still feels is not valid

ANSWER: The Program Study was concerned with the problems of survival of the University in the face of increasing financial difficulties. This is not a unique situation; other institutions, bigger and richer than ours, have had to take more drastic measures than those recommended by the Program Study. It is clear that the University cannot keep on offering the same programs unless substantial, additional resources become available. Hence, the need to reduce programs. The choice and selection of these programs is indeed difficult and agonizing, many factors coming into the picture.

Arguments for eliminating a degree major are several. Mass Communications was first en-

visioned as a department. Financial considerations prevented this. The proper development at this point of a degree major in Mass Communications would require additional funds not now available nor assured in the immediate future. Developing the major now would require additional courses and further financial commitments which the University cannot face at present. Hence the recommendation to eliminate the major while keeping the basic courses.

In line with this, the staff of Mass Communications has submitted a stimulating proposal for a reviewed basic program. It is possible that specific funds could bring this about.

All students presently majoring in Mass Communications and other programs will be carried through to graduation in their original majors.

- b. The implementation schedule of the decisions of the Board of Trustees

ANSWER: These decisions will be implemented as follows:

Tuition increase	1974-75
Expanded UOP Program	1974-75
*Aptitude tests	1974-75
Scholarships	1973-74
Discontinuation of new enrollments in specified majors	1973-74

*Tests will actually be given during 1973-74

I trust these answers clarify the questions you have raised. I shall be glad to meet with you and your Committee for further discussions of these matters. We join you in making every effort to bring this information to all students.

Sincerely,
Samuel B. Kirkwood
President

Dr. Banna Elected Member of International Scientific Body

Dr. Nabil Banna, Associate Professor of Pharmacodynamics and Toxicology at the AUB School of Pharmacy was recently elected member of the International Brain Research Organization (IBRO). IBRO is an independent non-government organization, originally established as an affiliate of UNESCO

with official relation with it and with WHO (World Health Organization). Its object is to foster throughout the world fundamental scientific research contributing to an understanding of the normal and abnormal functioning of the brain. It is composed of leading scientists in neurobiology.

Philosophy Symposium

The third meeting of the Philosophy Symposium for 1972-73 will be held on Monday, June 25, 1973 at 4:30pm in room 312 Nicely Hall. Professor Paul Starr will speak on «Phenomenology

and Contemporary Sociology». The paper will be followed by discussion. All members of the University community are cordially invited to attend.

Chemistry Invention at AUB

(cont'd. from page 1)

as a Research Associate with Professor Costas H. Issidorides who suggested a study of enamines, which are electron rich compounds, with oxidizing agents. Several oxidants were tried, among them benzofurazan oxide. The 2-man team managed to separate the compounds which proved to have antibiotic and antiviral activity. Their work, supported by a grant from the Research Corporation was published in 1965.

Further work on the Beirut Reaction was undertaken in 1967 by the two AUB Professors and their students, with financial support from Pfizer Inc. To date, research grants totalling \$75,400 have been contributed by Pfizer to the Beirut team which includes the following students: A. Salameh, N. Mufarrij, U. Taha, Dr. J.J. Zamet, G. Agopian, G. Lambrou, H. Al-Kaysi, Dr. A. Jarrar, V. Alexanian, G. Musharbash, C. Baramki, T. Rawdah, G. Zahr, N. Chulhot, Dr. A. Sidani, G. Sabonji, A. Atfeh.

Professor Haddadin, who thanked the students and praised their efforts in developing this Lebanese invention, pointed out that AUB has the largest number of Ph.D. candidates, from any single university, in the Chemistry Department at the University of California in Los Angeles (UCLA).

The Beirut Reaction provides a basic

synthetic route leading to a new area of biologically active materials. For the past several years, AUB has collaborated closely with Pfizer Inc. and with Research Corporation in order to secure broad patents covering the invention. Pfizer Inc., the sole licensee, introduced in 1972 a product for use in animal feed in several countries, including the United States, under the trade names Carbadox and Mecadox. The material has been advertised in all the major trade journals. It increases weight gain and feed efficiency, and effectively controls swine dysentery, a serious chronic disease. Pfizer predicts that the introduction of Mecadox could well mark the start of a new stream of animal health products based on the quinoxaline-di-N-oxides.

The New Chemistry Building was constructed with a grant from the Agency for International Development of the US Government in 1968.

The department comprises 6 floors and is well equipped for research. Major pieces of equipment include nmr, ir, and uv-vis spectrometers, gas chromatograph, spectropolarimeter, microcalorimeter, ultra-centrifuge, atomic absorption spectrometer and an electroscan 30. Computer facilities are available on campus. The department has access to glassblowing, machine and electronic shops.

That They May Have Life



The AUB seal, done with wheat straw was presented last month to President Samuel B. Kirkwood by Mr. H. Jameel and his brother Mr. Zafar Hussain of Abbas Pura, Multan, Pakistan. The seal is a fine piece of work and shows a good deal of patience and talent on their part.

Prof. N.H. Dajani Appointed For Second Term on UNESCO Panel

Prof. Nabil H. Dajani, of the mass communication program, has been appointed for a second term on UNESCO's International Advisory Panel of Consultants on Communication Research.

The Panel, which includes ten members selected to represent all UNESCO member states, is appointed by the UNESCO Director-General for a period of two years.

The Panel was originally set up in 1971 to assist the secretariat, firstly in defining particular research themes of national and international importance, and secondly in indicating the multi-disciplinary studies which are required to provide the fullest possible inquiry into the complete spectrum of communication.

As member of this panel Prof. Dajani will attend a meeting in Paris next October.

Prof. Za'rour Participates in Conferences in USA



Prof. G. I. Za'rour

Professor George I. Za'rour, AUB Director of the Science and Mathematics Education Center participated late in March and in April in a number of conferences and panels in the US. At the National Association For Research in Science Teaching Conference in Detroit, Mich., Professor Za'rour presented a paper entitled «Science Misconceptions Among Certain Groups of Students in Lebanon» and participated in a panel on «Science Education Research in Countries Other than the US.»

At the University of Maryland, Professor Za'rour participated in the International Conference on «Education of Teachers For Integrated Science» which was attended by 215 representatives from 63 countries. In addition to the assignment of leading two workgroups, Professor Za'rour was appointed on the Steering Committee of the Conference and was the spokesman for participants in the closing ceremonies.

Dr. Zeine Zeine and Dr. N. Ziadeh Retire

The Department of History and Archaeology has announced that Dr. Zeine Zeine and Dr. Nicola Ziadeh are retiring at the end of this academic year after long and distinguished service to the University.

A committee of Dr. David Gordon, Dr. Kamal Salibi, Dr. George Hakim, and Mr. Farid Fuleihan is organizing a dinner in honor of Dr. and Mrs. Zeine and Dr. and Mrs. Ziadeh. Token gifts from admiring colleagues and friends will be presented at the dinner which will be held on Friday, July 6 at 9:00 pm at the Carlton Hotel.

To cover the cost of the dinner and gifts, LL25.00 will be collected from each participant (LL50.00 for a couple), payable in cash or check.

Participants are requested to confirm their reservations by calling Miss Hayfa Kandalaft tel. 340740 ext. 2706 not later than July 4.

Women's Association General Meeting

Mrs. Samuel B. Kirkwood and the Women's Association of AUB have pleasure in inviting all members to a last general meeting and tea gathering at Marquand House on Wednesday, June 27, at 5:30 pm.

The occasion will be a farewell party to Mrs. Lorraine Monnier and to wives of retiring academic and staff members. A Mary Crawford Award will be donated and new Board officers installed.

Former AUB Faculty Lectures on Middle East Problem



Dr. S.E. Kerr

Dr. Stanley E. Kerr, former AUB Distinguished Professor of Biochemistry, gave a series of lectures recently on the Middle East problem at his church in Princeton. This is the second series of lectures that Dr. Kerr has given in Princeton in which his presentation of the Arab point of view was based on his life long experience in the Middle East where he lived and taught at AUB for over 40 years.

Prof. Kerr was in Marash, Turkey, in 1919-20. He has written a book on the events in that city during those years. Published by the State University of New York Press under the title of «The Lions of Marash,» the book will be out of the press very soon, by the 25th of June 1973.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

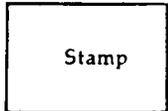
Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To:



.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 26

THURSDAY, JUNE 28, 1973

Senate: Classes Shall Convene Regularly Through July 7

President Samuel B. Kirkwood has circulated the following information to all AUB Faculty and Students:

On June 14 the Student Council asked that the University consider reinstating the usual reading period of the last week before examinations. This was discussed by the Senate on June 22 and found not to be possible as requested. The problems involved were discussed with the President of the Student Council and an explanation given to him of the schedules of the final week.

The matter was taken up at a meeting of the Student Council on June 25. The Council's action was reported

(cont'd on p. 3)

Board of Trustees Meeting July 2-5

The AUB Board of Trustees are holding their annual meeting next week on campus. The meeting will start on July 2 with a series of committee meetings with faculty and staff. Official executive and business meetings will start July 3 and run through July 5. The Board is also scheduled to meet with the Alumni Council, Student Council and Syndicate Council.

Different arrangements are made this year for the wives of trustees. Heretofore, Trustees distaff activities included tours of various sites in Lebanon. This year a special program, «Know Your University,» is arranged to acquaint the ladies with what is going on at the University itself. They will be observing teaching and teaching facilities, research and research facilities and other operations of the University.

Another Colorful Folk Dance Festival



Bulgarian dance.

This year's AUB Folk Dance Festival was a big success. More than 5,000 spectators gathered on Sunday, June 17 on the Green Field to watch groups from 22 schools, colleges and associations in Lebanon perform in colorful costumes folk dances from all over the world.

The Festival was started by the Lebanese National Anthem, followed by President S.B. Kirkwood who said in his address of welcome:

I am happy to welcome you to this year's Folk Dance Festival. AUB is honored again to be host to this annual event.

We are humble in making this contribution, for the folk dance remains still a means for bringing people together—where pride in one's own nation is the key to international friendship.

Dance, then, this afternoon with the feet of your own people

as you share this common field.

The various folk dances given this year were American, Armenian, Austrian, Bulgarian, Caucassian, Danišh, Dutch, French, German, Greek, Gypsy, Hawaiian, Italian, Lebanese, Mexican, Russian, Spanish, Swedish, Swiss, Yugoslavian, as well as scouts and modern dances.

The local press devoted wide space over a number of days to reports on the Festival, with numerous pictures. Festival scenes also appeared on TV for ten minutes.

Ever since 1951, AUB has been sponsoring this annual event on its campus. The folk dance project is a year-round activity for the Folk Dance Center at West Hall which teaches the different dances to leaders of dance groups, provides them with music records, written instructions, samples of costumes and helps them in various other ways.

Jean Guillou and Diana Taky Deen Give Organ and Piano Concert



Mr. Jean Guillou, one of the foremost organists in the world will be playing works by Vivaldi and Liszt on the new Marcussen Organ at the Assembly Hall on Sunday, July 1, at 8:30 p.m.

He will be joined by Miss Diana Taky Deen, Lecturer in the Department of Fine and Performing Arts, performing a composition by W.F. Bach and his own «Colloques No. 2 for Piano and Organ.»

The Concert will end by improvisation of the organist-composer on themes given by the public.

The event is co-sponsored by «Les Jeunesses Musicales du Liban» and «International Organ Concert Series of AUB.»

The public is cordially invited to attend. Invitation cards are available at West Hall Office and Les Jeunesses Musicales du Liban.

Correction

Reference the news item on the K Cola Scholarship at AUB which appeared in last week's BULLETIN, Mr. Mazen N. Salha is the Managing Director of K Cola and Mr. Hanna Sowan its Marketing Director. Mr. Salha is an AUB graduate student in Economics.

Service Pins Awarded



Last week, fifteen, twenty, and ten year service pins were awarded respectively to Mr. Mahmoud Yaghi, Mr.

William Attiyeh, and Mr. Emile Barakat (above) of the Computer Center and Comptroller's Office.

Summer Hours For Non-Academic Personnel

The following arrangement will be followed for the summer of 1973:

I. Non-Academic Employees

1. Faculties and Administrative offices of the University that followed a summer schedule during the summer of 1972 will have summer hours during the summer of 1973.
2. The Hospital including the Private Clinics and the University Health Service will continue to work on the regular hours schedule during the summer of 1973.
3. All offices with summer hours are

required to follow the regular summer hours, unless other hours are specifically set by the Dean or the Administrative Department Head with the concurrence of the Personnel Department for particular individuals because of essential services or of special shifts.

4. The summer hours will be from 7:00 a.m. to 2:00 p.m. Monday through Friday, starting July 9 and ending September 22, 1973.

II. Wages Personnel

Wages Personnel will continue to follow the regular hours schedule.

Geology Students Society Donates To Student Council Scholarship Fund

The President of the AUB Geology Students Society, Mr. Mohammad Ashshi Abu-Shushah presented early this month a sum of LL1,000 to the President of the Student Council, Mr. Mohammad Dajani. This amount, out of the proceeds of the successful Third Geology and Petroleum Exhibition, was contributed by the Society

to the Student Council Scholarship Fund.

Around 45 students of the Department of Geology, organized last March the 3rd Geology and Petroleum Exhibition which was opened by the Minister of Petroleum and Industry. A further LL3,000 was also donated to needy students of the Department of Geology.

Elections of New Student Council

The elections of the new AUB Student Council were held on June 20 in perfect order and calm and were widely covered by papers, with pictures, and announced on TV. The headlines in *Al-Anwar* and *L'Orient-Le Jour* said the atmosphere of the elections was calm.

Fifty candidates competed for 22 seats on the Student Council which has 29 members. Seven of the seats are usually filled by the presidents of student societies of the various schools.

The Dean of Students, Mr. Robert E. Najemy has praised the atmosphere of sportsmanship which characterized the elections, and said the proportion of voters in all faculties was quite high.

When voting was over, polling boxes were sent to the University Computer Center which counted the votes and announced the election of the following to membership of the Student Council:

ARTS — UNDERGRADUATES

Rifat Farhah, Mohammad Waddah Dajjani, Yakub Haddad, Hasan Hubayshi, Jamil Badran.

SCIENCES — UNDERGRADUATES

Imad Farrukh, Ghassan Hakim, Raja Kurtas, Muhammad Ja'far.

ENGINEERING — UNDERGRADUATES

George Aydi, Raja Saad, Ahmad Kamaruddin, Fady Takieddine, Hussayn Ammar.

MEDICAL SCIENCES — UNDERGRADUATES

Nidal Sab.

AGRICULTURE — UNDERGRADUATES

Nail Hut.

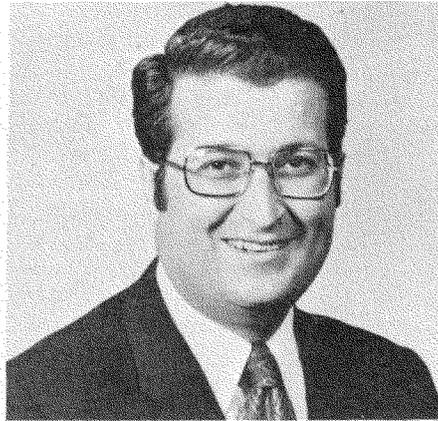
The following were elected unopposed:

Rabi Asir, Khalil Hamdan and Talal Nasiruddin (Arts and Sciences — Graduates).

Mushtaq A. Mian, Mohammad Walid Kamaruddin (Agriculture — Graduates).

Abdo Jurjus (Medical Sciences — Graduates)

Assistant Hospital Director



The return of Mr. Munthir Kuzayli to resume his duties as Assistant Hospital Director was announced this month. Mr. Kuzayli was in the US where he recently obtained his Masters Degree in Hospital Administration from the Virginia Commonwealth University.

Director of Nursing Service



The appointment of Miss Sheila Hammond as the new Director of Nursing Service was announced last month. Miss Hammond has been with AUH for the past one year as Supervisor of the Medicine Service.

Classes Shall Convene Regularly Through July 7

(cont'd from p. 1)

to the students of the University by a statement released at noon the next day. This statement was discussed at a meeting of the University Senate later in the afternoon.

The University and the Senate stated the following:

1. Only the proper University academic authorities determine the material to be covered in any course, or the scheduling of examinations, or the arrangement of the weeks of teaching.
2. Therefore, the reading period cannot otherwise be reinstated; students will be held responsible for all material necessary for the completion of the course, and quizzes and examinations will be conducted as scheduled.

In all these discussions the request of the Student Council was viewed sympathetically by the Senate, and it was felt that the following would provide, within the extension of the semester through July 7, 1973, both necessary coverage of course work and maximum possible free time for review and study:

1. In some courses it will be possible to cover the material by the beginning of the final week. In such courses this week will constitute a reading period.

2. In other cases, including laboratory courses, it will be impracticable to do this, and classes must include new material throughout the week.
3. Many teachers normally schedule all or part of the final week as review sessions, and when possible the practice will be continued this semester.

All students taking such courses will be held responsible for the total course, including quizzes and examinations as scheduled. It is clear that all necessary course material must be covered before credit can be given. Otherwise the courses cannot be considered as completed.

The Senate voted in the evening of June 26 as follows.

«The Senate reiterates its decision of May 25, that classes shall convene regularly through July 7.»

The Senate realizes the tensions under which students—and faculty—have worked during the past weeks, but recognizes also its responsibility to maintain academic standards for the sake of its students and the worth of their degrees.

A second request of the Student Council, that some form of Commencement Exercises be held, is being considered

Special Summer Programs

The Division of Extension and Special Programs is offering this summer four special non-degree programs as in-service, refresher and advanced education in areas of interest to the region.

A description of the first two programs by Professor L. Cajoleas, Director of Extension and Special Programs was published in the last BULLETIN. The third program is reproduced below, and the fourth and last program will appear in the coming issue.

The following three programs are offered as part of the AID/AUB contract. Participants will be coming from Abu Dhabi, Afghanistan, Bahrain, Bangladesh, Cyprus, Dubai, Iran, Jordan, Lebanon, Pakistan, Nepal, and Yemen.

1. Secondary School Administrators Workshop July 11-August 19, 1973

This six week course is offered to practicing secondary school principals, supervisors and inspectors. Its main purpose is to broaden the knowledge of the participants toward improving their effectiveness as school administrators. Broad in scope, the course will emphasize processes of decision-making, communication and leadership, and deals with a variety of administrative functions. The participants will have opportunities to explore new approaches and gain insights into the human relations dimension of administration.

The Course Coordinator will be Dr. Joseph Mansour, Principal of Gerard Institute, Sidon.

2. Secondary Teachers Institute— Teaching of Chemistry July 11-August 19, 1973

The purpose of the institute is to bring the participating secondary school chemistry teachers and supervisors up to date in modern chemical concepts and to enrich their back-

ground in secondary school chemistry teaching. Lectures, discussions and laboratory work are planned for reinforcing basic principles. Recently developed secondary school chemistry courses such as the CHEM Study in the US and the Nuffield Project in England will be examined. In addition, some emphasis will be placed on teaching methods in chemistry including teacher-demonstrations, evaluation, the production and use of audiovisual aids, and the philosophy of science teaching.

The Course Coordinator will be Professor George Zarour, Director of the Science and Math Education Center at AUB.

3. Secondary Teachers Institute— Teaching of English July 11-August 19, 1973

This institute will be concerned with the practical aspects of teaching English language skills—listening, speaking, reading, and writing. Participants will be exposed to basic theory underlying modern language teaching methodology but the emphasis will be on application. There will be sessions devoted to the observation and analysis of demonstration lessons (some via videotape recordings) and sessions in which participants will prepare and present lessons to peers and to a class of English as a Foreign Language students. Many of these practice sessions will be recorded on videotape enabling the teachers to view their own and students' classroom performances. A large part of the course will be devoted to the preparation and use of simple visual aids appropriate for each participant's teaching situation. The aids will form a kit, which the teachers will be able to take with them upon completion of the program.

The Course Coordinator will be Mr. Dennis Aronson of the Center for English Language Research and Teaching at AUB.

International Course on Environmental Pollution Studies and Control



Mr. Azmi Philip Imad, Director of the AUB Safety Center, will be one of 20 people from all over the world who will participate next month in an international course on the use of radioactive tracer techniques in industry and environmental pollution studies. Mr. Imad was selected as the Lebanon's candidate to attend this course by the International Atomic Energy Agency (IAEA) and the Lebanese National Council for Scientific Research. The course will be held at the North Carolina State University in Raleigh, North Carolina, USA, throughout the month of July 1973, and the expenses incurred by Mr. Imad to attend this course will be paid by the Agency and Council.

Mr. Imad was a fellow of IAEA from 1964 to 1966 when he specialized in radiation and health physics at the University of London.

Alumni Association Board

During its first meeting on June 14, the newly elected Alumni Council unanimously named Prof. Nabil H. Dajani of the AUB Mass Communications Program as General Secretary of the AUB Alumni Association. The Council also elected Mr. Adib Khuri, BA 32, as its Treasurer.

With the election of the two members the Managing Board of the Association is now complete. It is composed of Mr. Fawzi Malouf, president; Mr. Samir Abu Jawdeh, vice president; Prof. Dajani, general secretary; Mr. Khuri, treasurer and Mr. Samir Mishalini, member at large.

University Chapel Services

The final chapel service of this academic year will be held on Sunday, July 1, at 9:30 am, University Chapel.

Fulbright-Hayes Professor Joins Mass Communications Program

The Mass Communications Program and the Department of English at AUB have announced that a Fulbright-Hayes professor will be joining the program next year. He is Dr. Donald R. Browne, Professor of Mass Communication at the University of Minnesota, who will be joining the University this coming September.

A graduate of the University of Michigan (A.B., 1955, M.A. 1958 and Ph.D. 1961) Professor Browne is considered an authority in the field of radio and television. He is a prolific publisher in the field of broadcasting and communication.

Professor Browne is also Associate Editor of both the Quarterly Journal of Speech and the Journal of Broadcasting. Prior to joining the University of Minnesota in 1966 he taught at Boston University and at Purdue University.

In its attempts to find extra financial support for the Mass Communications Program AUB is also negotiating for grants and support for this program from the Friedrich-Naumann Foundation in Germany and with UNESCO. Both institutions have already sent representatives to discuss details of the support.

In the meantime, the Chairman of the Program, Professor Nabil Dajani, after consulting with other members of the Program, and in line with the trustees decision concerning mass communication, has submitted a proposal for a reviewed basic program to meet the requirements of the AUB Program Study Report. This proposal calls for the development of the present program to become a graduate program leading to an M.A. in Mass Communications and offering undergraduate courses in collaboration with other related programs.

The proposal also suggests that the new program in mass communications should develop in the direction of producing communication researchers and experts and in utilizing the communication media for national development.

A graduate program in mass communications with an undergraduate minor allied with related departments, the proposal argues, can become, with relatively little expense, a center that attracts graduate students from the newly established journalism departments in the area.

First Ph.D. With Distinction Awarded



Dr. al-Kadi defends her dissertation.

Miss Wadad Afif al-Kadi has obtained a Ph.D. in Arabic Literature with distinction from AUB. This is the first time in the history of AUB that a Ph.D. is given with distinction.

Miss al-Kadi spent about three years on the preparation of her dissertation which has for topic The Kaysaniyya Sect in History and Literature. She had for advisor Dr. Ihsan Abbas, Professor of Arabic at AUB.

Miss al-Kadi defended her dissertation last week before a jury of four professors. The defense took only an hour and a half and Miss al-Kadi was awarded the degree of Ph.D. with distinction.

Dr. al-Kadi explains «Al-Kaysaniyya» as one of the earliest Shiite sects, which had a particular view towards the Imamate different from that of other more known sects, such as the Imamiyya, the Zaydiyya and the Ismailiyya. It was this sect which developed in detail the idea of the «Mahdi» who is in concealment and who will return to implement justice in the world. It was from the Kaysaniyya that many extremist sects developed.

Dr. al-Kadi pointed out that the Kaysaniyya was not studied before despite its importance in the history of Islamic religious thought.

“Freeze” on Non - Academic and Wages Positions

In accordance with recommendations by the Budget Review Committee (BRC) at its June 19th meeting, the following actions are being taken:

- 1) Recruitment may proceed for persons to fill new positions as approved and included in the 1973-74 budget.
- 2) Recruitment may proceed for persons to fill vacant positions which became or become vacant on or after June 1, 1973.

Budget Review Committee approval

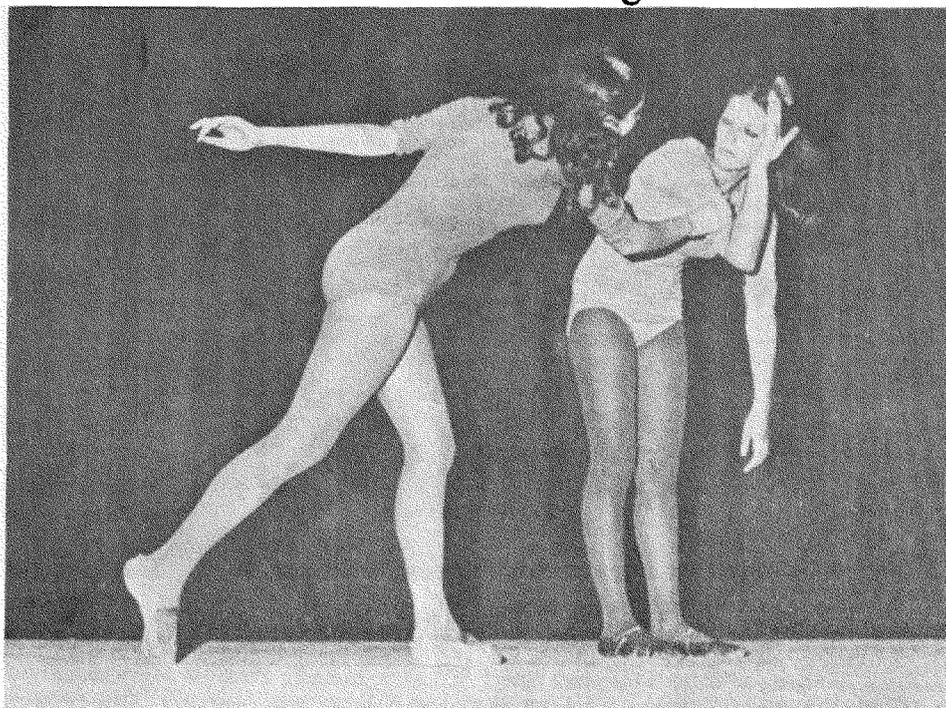
of the above (1 and 2) is no longer required.

- 3) Vacant positions frozen as of May 31, 1973 remain frozen and may be filled only after review for essentiality and approval by BRC.

In other words, the group of positions frozen between February 19 and May 31 may not be filled without prior approval by BRC. This will be done only when essentiality is proven to the full satisfaction of the Budget Review Committee.

AUB In The Press

Ballet Scenes Draw Big Audience



Under the heading: Saturday evening, at AUB's West Hall—Madame Silvi's ballet acclaimed by a big audience, the French language daily *Safa* covered the modern and classic ballet scenes which 30 dancers of Madame Silvi's school of ballet elegantly presented this month.

Campus

The Boston Globe published recently a long article on Beirut by Mr. William A. Davis who mentions that AUB, «founded by missionaries in 1866, is one of the oldest and almost certainly the best in the Middle East.» The writer remarks that there are few government cabinets in the Arab world that do not have at least one minister who is an AUB graduate.

The writer reports that most AUB buildings are built in the Moorish style and refers to the beautifully landscaped campus, adding: «It would be hard to imagine a lovelier setting for a school.»

Studied at AUB

The Reading, Mass., *Chronicle*, which reported that Mrs. Patricia Bashford was initiating a series of meetings to discuss family relationships, said she had done post graduate work at the University of London and at AUB. Mrs. Bashford is currently a full time instructor in the School of Communications, Graham Jr. College, Boston.

Dr. B.B. Thurston



The Parkersburg, W. Va., *News*, in covering the «Week of Renewal» services last April, reported that Dr. Burton B. Thurston was one of the outstanding speakers. The paper said Dr. Thurston spent 12 years at AUB as assistant to the president for Development and Chairman of the Department of Religious Studies.

Chemistry Invention

The news of the invention of the «Beirut Reaction» by Professors C. Issidorides and M. Haddadin of the Department of Chemistry was widely covered by the press, TV and radio—local and foreign. The well-known Lebanese man of letters, Sa'id 'Akl had this to say in his column in the daily *Al-Jaryda*:

The Beirut of Science

Nothing has pleased me like the news of the invention by the two AUB professors of chemistry—Costas Issidorides and Makhoul Haddadin.

The «Beirut Reaction», which is already beneficial to medicine, has made people in the four corners of the earth pronounce the name of Beirut.

Prof. Y.K. Ibish Initiates Colloquium

The Houston Post reported last month that a colloquium, to be held at the Rothko Chapel, July 22-30, will bring together in Houston for the first time the religions of the Third World.

«Traditional Modes of Contemplation and Action» will be the theme of this colloquium which is sponsored by the Menil Foundation.

The paper pointed out that the colloquium was initiated by Dr. Y.K. Ibish of AUB, and several other scholars.

Prof. K. C. Berger Joins Agricultural Sciences

The Fertilizer Solutions, Peoria, Ill., the *Ag Chem & Commercial Fertilizer*, Caldwell, N.J., and the *Agri Marketing*, Glenview, Ill., report that Dr. Kermit C. Berger, vice president-marketing at Terra Chemicals, has taken an extended leave of absence to join the AUB Faculty of Agricultural Sciences as chairman of the Department of Soils.

What Makes A Tick Tick ?!



Mr. Shoukrey displaying a model of a tick's brain — 550 times the real size.

A thoroughly interesting research on ticks is being conducted at the AUB Department of Tropical Health.

Mr. Nadir Shoukrey, an Egyptian graduate student at AUB is studying the basic neurophysiology of ticks (in fact the female of one species of ticks): how and when they respond, when they feed, when they transmit disease.

He began his research in February, 1970, in Cairo where he completed a description of the central nervous system and of the muscular system of the tick. He is now continuing this research at AUB under the supervision of Dr. Gordon Sweatman of the Department of Tropical Health, and Dr. Suhayl Jabbur of the Department of Physiology.

Mr. Shoukrey describes ticks as blood-sucking arthropods closely related to insects. They have a flattened ovoid shape, four pairs of legs, a pair of palps and a mouth adapted to make incisions in the skin. The legs and palps lack extensor muscles, but this is compensated for by intra-body pressure which also compensates for the lack of protractors in the mouth. Ticks are provided with a highly intricate sensory mechanism distributed among the last segments of the legs and mouth for sensing the type of blood and its whereabouts in the body of the victim.

Less than one cm in size (6-7 mm long and 4-5 mm broad) ticks are a

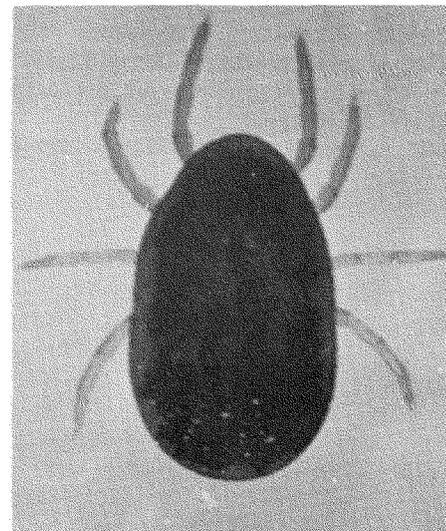
serious menace to man and beast, not just because of the blood they ingest, but because they inject saliva which is at times toxic and causes paralysis and sometimes death in man, domestic livestock and wild animals. They also serve as carriers of disease organisms, especially rickettsiae and viruses to man as well as protozoans to animals, such as spirochaetosis in Jordan, Kyasanur Forest Disease in India, and the Rocky Mountains Spotted Fever in the US.

In East Africa, the East Coast Fever (one of many diseases of livestock throughout the world transmitted exclusively by ticks), kills more cattle than the sleeping sickness.

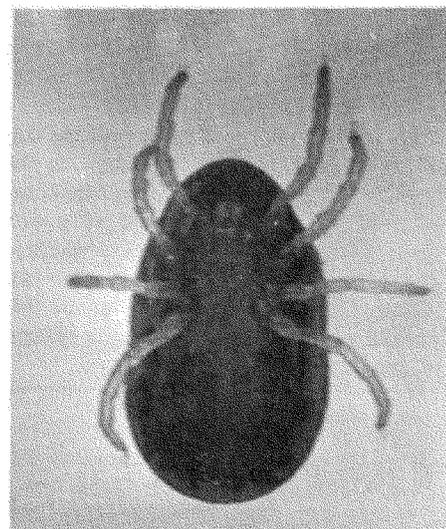
He explains that the behaviour of ticks—when they are hungry and their choice of the kind of host to feed on—is controlled by their «brain» (0.5 mm in diameter) which is remarkably complex with ten pairs of nerve trunks and a single nerve trunk of unusual interest and complexity.

He went on to say that ticks are relatively primitive organisms with a central peripheral nervous system whose structure and function can be determined with a fair degree of accuracy, and the link between the external and internal environments of this organism can be precisely described. Since the behaviour of the tick—what it feeds on and when—is controlled by its brain, a damage to the brain kills the tick by starvation.

Besides the one aim of the program which is the destruction of these pests, tremendous knowledge of their structure and function is acquired for use in evolutionary and comparative studies, as well as the development of new micro-techniques suitable for handling other organisms of a similar caliber.



Tick's back (17 times the real size)



Tick's belly (17 times the real size)

Mr. Shoukrey will be presumably completing his MS program at the AUB Department of Tropical Health this summer. He plans to continue with his Ph.D. studies in Basic Medical Sciences, studying with Dr. G. Sweatman, Dr. S. Jabbur, Mr. George Tomey, Deputy Director of the Scientific Equipment Center, and Dr. Mohamed Ibrahim of the Department of Human Morphology.

International Student Conference at AUB on Tropical Health



The AUB Medical Students' Society (MSS) is holding next month the Eighth International Student Conference on Tropical Health at the AUB Medical Center.

The conference, July 6-26, will group medical students from several countries including USA, UK, Sweden, Finland, Egypt, Sudan, and Turkey. A variety of lectures, seminars and case discussions will be conducted on a number of tropical diseases including those of bacterial, viral, fungal and parasitic etiology. Studies on malnutrition as well as maternal and child health in the Middle East will be presented, and field trips to areas where tropical diseases prevail will be arranged.

Participants will also have enough time for social gatherings and trips to the country's famous historical spots, and will have access to the University's private beach.

The AUB Medical Students' Society also wants the conference to be an occasion for foreign students to be acquainted with the Lebanon. Six scholarships have been donated by a few drug firms to enable needy medical students to attend. With further assistance and support, MSS hopes this annual event will attract larger groups of participants.

Ambassador of India Presents Collection of Books



A collection of more than 50 books about India was last week presented to the AUB Libraries by the Ambassador of India, Mr. A.S. Mehta. The books discuss the varied aspects of Indian life and Indian culture, philosophy, heritage and civilization.

The presentation was made to President Samuel B. Kirkwood in the presence of Vice President George Hakim, Provost Samir K. Tabet and senior members of the Embassy of India.

In a brief speech Ambassador Mehta referred to AUB as a great seat of

learning in this part of the world and hoped these books would lead to better understanding of cultural traditions between India and the Arab world.

President Kirkwood thanked Ambassador Mehta saying that AUB is grateful for this valuable gift which will acquaint students with India's great heritage.

The collection includes works by Aurobindo Ghosh, a famous interpreter of Indian civilization and one of modern India's great philosophers and savants whose birth centenary is being celebrated in many parts of the world.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address To:

Stamp

.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 27

THURSDAY, JULY 19, 1973

Mr. H. W. Page Gives Press Conference



Mr. Howard W. Page

The Chairman of the AUB Board of Trustees, Mr. Howard W. Page held a press conference early this month, at the close of the 4-day annual meeting of the Board. This conference which lasted 90 minutes was attended by reporters from the leading local papers.

Below is a summary of Mr. Page's declarations.

In reply to a question, Mr. Page said that AUB has no political role, because AUB is an educational institution. Mr. Page added, however, that AUB is naturally influenced by political factors in its environment.

Speaking of AUB's type of education, Mr. Page stressed that AUB strives to supply the best standard of American-type education, and that the academic standards reached by AUB are among the highest attained by similar American institutions elsewhere.

Asked to comment on views held by some who consider AUB an obstacle

(cont'd on p. 7)

Minister of Education: AUB is An Address of Culture and Education



H.E. the Minister of Education delivering his speech.

H.E. The Minister of Education, Mr. Edmond Rizk decorated this month Professors Zeine Zeine and Nicola Ziadeh with the Order of the Cedars of the Chevalier Rank at the dinner party given in their honor on the occasion of their retirement from the AUB Department of History and Archaeology (see page 5).

In his speech at this party which was attended by the Chairman of the AUB Board of Trustees Mr. Howard W. Page, the President of AUB Dr. Samuel B. Kirkwood, and a good number of professors and notables, H.E. the Minister of Education said:

It is a sign of health to have the Order of the Cedars of the Chevalier Rank awarded to two professors when chivalry is badly needed; and for the two chevaliers to be of the Order of the Cedars is a profession of faith in the Cedars' eternity.

Does knowledge, and do education and teaching have an end? Or does a professor, on retiring, continue to exist in thousands of students and in the conscience of the people?

(cont'd on p. 6)

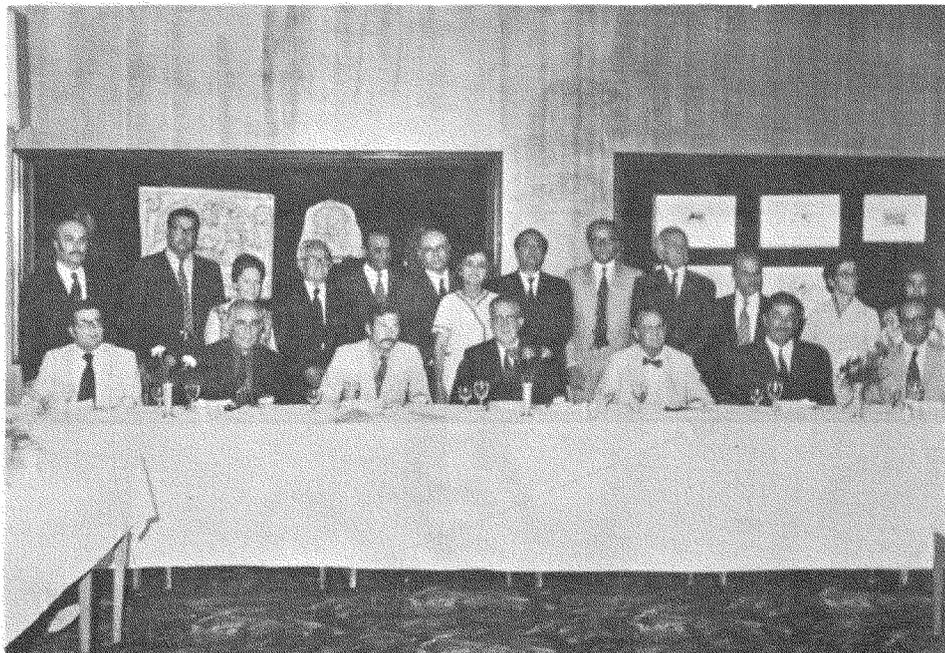
Graduation Exercises

With reference to the statement made by President Samuel B. Kirkwood on May 14 announcing Senate action concerning the academic program and the cancellation of formal graduation exercises (The BULLETIN of May 24), it is now announced that graduation exercises will be held in the Assembly Hall on Monday, July 23 at 5 pm for Arts graduates, and on Tuesday, July 24 at 11 am for Sciences graduates and at 5 pm for graduates of the Faculties of Medical Sciences, Agricultural Sciences and Engineering and Architecture.

110 Hospital Employees Awarded Service Pins

Hospital employees who have served for periods ranging between 10 and 45 years and thus deserved service pins were recently honored at two parties. At the first party, held in the Hospital Dining Room, service pins for 10, 15, and 20 years were handed by Mr. David Egee, Hospital Director to 96 AUH employees. Fourteen other employees who have been with the Hospital for 25, 30, 35, 40 and 45 years were also awarded service pins during a luncheon at the Commodore Hotel. The 14 employees were invited together with one member of their family and their Department Head.

President Samuel B. Kirkwood, Dr. Craig S. Lichtenwalner, Dean of the Faculty of Medical Sciences, and Mr. Farid A. Fuleihan, Director of Personnel were present. President Kirkwood congratulated the employees and thanked them for their long and devoted service to the Hospital and University.



25-45 years of devoted service.

Alumnus Heads Visiting Team From Pahlavi University

Dr. Kambiz Ghorban (B.Sc. Agr., 1961), Dean of the College of Agriculture at Pahlavi University in Shiraz, Iran, and a team of three professors visited the AUB Faculty of Agricultural Sciences (FAS) from June 25-29. The team included Dr. Keshavarz, Prof. of Animal Science, Dr. Maftoun, Prof. of Soil Science and Dr. Banjhashemi, Prof. of Plant Protection.

The visitors met with President Samuel B. Kirkwood, Dean James Cowan, Department Chairmen of FAS and several Faculty members. They toured the FAS laboratories in Beirut, and spent a day at the Agricultural Research and Education Center (AREC) visiting the research plots and the animal science and farm machinery facilities. They also held several conferences with members of the Academic Affairs Committee, Research Committee and Advisory Committee to discuss the implementation of a cooperative program between the two faculties.

The visitors were entertained by the Faculty to a luncheon at the Alumni



Dean Cowan with visiting Iranian team.

Club, and a cocktail party given by Dean Cowan at his house. The program was planned and coordinated by

a Faculty committee of Professors N. Atallah, N. Dagher, A.R. Saghir and R. Tannous.

Ellen Lewis Prize Won By Pharmacy Graduate Student



Miss Sonik Mardinian.

Miss Sonik Mardinian, graduate student in the Department of Pharmacodynamics at the School of Pharmacy who completed the requirement for the M.S. degree in February, 1973 has won the Ellen Lewis Prize for the best thesis in the field of Neuroscience for 1973. This prize, \$ 200, has been established by Mr. Robert J. Lewis in memory of his wife Ellen.

Correction

The Bulletin of June 28 was misinformed in reporting that a Ph.D. in Arabic Literature was awarded with distinction to Miss Wadad Afif al-Kadi. Below is the correction received from the Chairman of the Board of Graduate Studies:

1. The degree will not be «obtained» until approved by the Board of Graduate Studies, the Faculty of Arts and Sciences, and the University Senate: none of these bodies has acted on the matter.
2. There is no provision in the present University regulations for the granting of a Ph.D. degree «with distinction».

The Chairman of the Board of Graduate Studies added:

«Whereas we are all pleased that Miss Kadi's Committee appraised her work so highly, it is unfortunate that publicity has been given to a recommendation which cannot be implemented».

AUB Women's Association Meet in Marquand House Garden



In Marquand House garden.

The AUB Women's Association held last week its final meeting and tea in Marquand House garden. After a review of the year's activities by Mrs. Samir El-Khuri, the following officers for next year were presented for election and installation: President: Mrs. Roger Chehire; Vice President: Mrs. George Iskandar; Corresponding Secretary: Mrs. Harry Henderson; Recording Secretary: Mrs. Ralph Brown; Treasurer: Mrs. Salah Abu-Shakra.

Flowers were presented to the officers by Mrs. Samuel B. Kirkwood, and the Mary Crawford award for an outstanding student in nursing was presented by Miss Esther L. Moyer, Director of the School of Nursing, and Mr. Archie S. Crawford to Miss Nuhad Bu Raad who is graduating this year.

Farewell gifts were presented to retiring members Mrs. William Bickers, Mrs. Alfred Diab, Mrs. Haroutune Kalyan, Miss Minnie Katibah, Mrs.



Mrs. S.B. Kirkwood presenting gift to Mrs. Dwight Monnier.

Francis Kent, Mrs. Afif Mufarrij, Mrs. Henry Nachman, Mrs. Ohannes Tilkian, Mrs. Zeine Zeine, and Mrs. Nicola Ziadeh; gifts were also presented to departing member Mrs. Dwight Monnier, and to outgoing president Mrs. Samir El-Khuri.

Student Council Election

The new Student Council met on Tuesday, July 3, and elected the following five officers to its executive committee :

Mohammad Matar - President
Rabi Asir - First Vice President
Nidal Sab - Second Vice President
Nail Hut - Secretary
Ahmad Kamaruddin - Treasurer

AUB Research Teams Combat Hydatid Disease

The AUB Department of Tropical Health is one of the few leading research centers in the world, and the only unit in the Middle East, to be concerned with the study of hydatid disease, considered as one of the most prevalent parasitic diseases in this area.

AUB teams began research on this disease more than 15 years ago and succeeded in finding a chemical or scolicide which they used in the delicate surgical operation for the removal of hydatid cysts.

This scolicide namely cetrime which has proved to be an effective chemical with no toxicity to the patient, and a successful substitute for a dangerous compound which was already in use, is now used by AUH surgeons.

Currently, an AUB team is working on how to control the hydatid disease in man by prophylactic measures and also by controlling infected dogs in Lebanon. The Lebanese National Council for Scientific Research is presently studying with AUB the possibility of cooperating in combating this disease, and Dr. Joseph Naffa', the Council's Secretary General has shown particular interest in this research work.

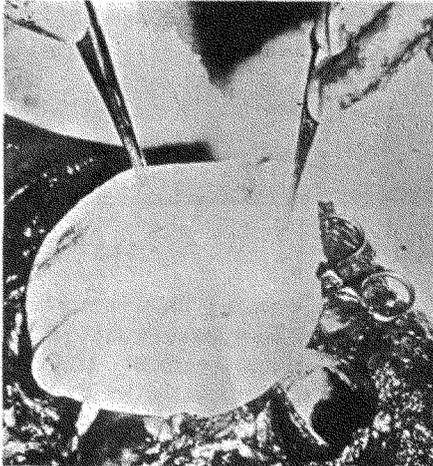
Hydatid disease is caused by the larva of a small tapeworm, *Echinococcus granulosus*. The adult of this worm measures between 3 and 6 mm in length and 0.5 mm in width at its widest part and completes its life cycle inside the bodies of a number of different hosts.

The head of the AUB team Dr. George J. Frayha, Professor of Parasitology and Tropical Health at the School of Public Health, has explained that when the eggs of the adult worm which lives in the intestines of a dog are excreted, they are ingested by cattle, sheep, pigs, or other grazing animals. The eggs then hatch in the grazing animal and enter into its blood stream, and the small larvae lodge in various tissues of the host's body and develop into cysts, usually in the liver and lungs which are discarded when the host animal is slaughtered. Dogs feeding on this offal ingest the cysts contained in these organs, thereby repeating the cycle, as the scolices in the cysts develop into

full-grown tapeworms in the dogs and begin to produce eggs which in turn are excreted, and so on. Man becomes infected when he ingests or inhales then swallows the unhatched eggs, much as do the cattle.

The symptoms of this disease are indigestion, great pains and disturbance in liver function (similar to symptoms of liver cirrhosis).

About 30% of dogs are carriers of this fatal parasitic affliction, and 100 cases are annually admitted for surgery at local hospitals including AUH, not to speak of the many unsuspected cases which are probably carrying the disease.



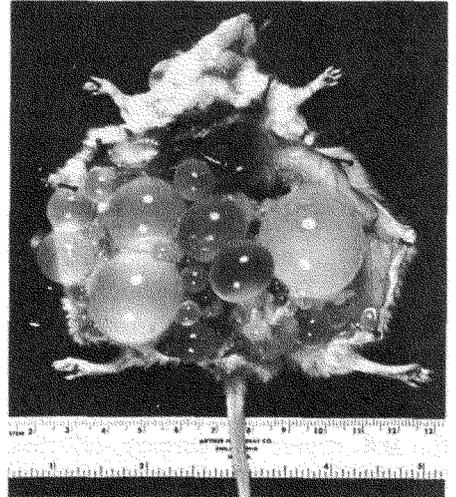
Surgical removal of hydatid cyst.

Professor Frayha went on to explain that the treatment of hydatid disease is impossible without surgery which has become less risky as a result of the scolicides found by AUB research teams that were the subject of many papers in world medical journals.

These chemicals are injected into the cysts prior to their surgical removal to kill the scolices and prevent the reinfection of the patient if the cysts, which grow to measure more than 20 litres, should burst during the operation.

For years the most common chemical used was formalin, a solution of formaldehyde and absolute ethanol which is an excellent scolicide, but also extremely toxic to the patient. AUB's test procedures yielded first six and recently 13 important chemicals

which proved to be more efficient and less toxic than formalin. This took years and thousands of tests and cost thousands of dollars. Two of the chemicals, cetrime and sodium hypochloride have been used by AUH surgeons for several years as well as by surgeons in various parts of the world.



Secondary hydatid infection in albino mice. The infection was 1 year and 5 months old. The weight of the cysts 55gm; that of the carcass 34gm.

Perhaps the successful application of the Indirect Hemagglutination Test to the diagnosis of hydatid disease was the most important procedure reached by the AUB research team which was headed by Dr. G.A. Garabedian in the fifties. This highly successful procedure is being used in all parts of the world.

The aim of the present AUB team is three-fold: secure prophylactic measures to people by modifying the structure of certain chemicals so that, when given to people who have dogs, these people are protected; discover a compound which if given systematically will kill scolices, or heads of future tapeworms, before the surgeon operates; treat or destroy infected dogs through campaigns sponsored by the Ministry of Public Health.

Talks are currently underway between AUB and the Lebanese National Council for Scientific Research and Ministry of Public Health to cooperate in totally eradicating this disease in the Lebanon and neighbouring countries.

Professors Zeine and Ziadeh Honored



H.E. the Minister of Education decorates Prof. Zeine.



...and Prof. Ziadeh.

A dinner party was given this month at the Carlton Hotel in honor of Professors Zeine Zeine and Nicola Ziadeh of the AUB Department of History and Archaeology on the occasion of their retirement.

H.E. the Minister of Education, Mr. Edmond Rizk, together with the Chairman of the AUB Board of Trustees Mr. Howard W. Page, the President of AUB Dr. Samuel B. Kirkwood, and many professors and notables were present.

After decorating Professors Zeine and Ziadeh with the Order of the Cedars of the Chevalier Rank, the Minister of Education praised the two professors and paid a resounding tribute to AUB (see page 1).

President Samuel B. Kirkwood followed and spoke of the long association of Professors Zeine and Ziadeh with AUB. In their speeches, both professors thanked His Excellency President Sleiman Franjieh and the Minister of Education, and spoke of their life at AUB.

Professor Zeine Zeine said in his speech:

WE DO AIM TO MAKE IDEAL MEN

We who had the privilege to be associated with this great and noble institution called the American University of Beirut had a

cause to serve and an aim to achieve. The cause was that of education and the aim had been defined by Dr. Daniel Bliss in these words: «We do aim to make ideal men.» Hence, the journey was well worth the goal which was no less than the «pursuit of excellence,» such was the definition of education by Plato, one of the greatest master educators the world has ever known.

We were constantly made aware of this goal by our teachers, and later by our older colleagues. We felt that we were architects.

We believed in the brotherhood of man and the oneness of mankind. We had a brotherhood society in which students and teachers of many races, religions and nationalities were happy members. Its motto was «the realm in which we share is vastly larger than that in which we differ.»

The purpose of all this was to make our students «AUB men.» And our Dean, Dean Edward F. Nickoley who became almost a legendary figure in this University, defined the AUB man as the man who «sits straight, walks straight, thinks straight

and lives straight.»

President Kirkwood took over the destiny of this University in his hands at a most difficult period, if not at *the* most difficult period in its existence. And when I say existence, I mean literally *existence*. Thanks to his courage, his inexhaustible patience and calm endurance in trying circumstances, he managed to keep this University on even keel in a stormy sea; and if not quite on *even keel*, at least kept it *floating!*

Professor Zeine was followed by Professor Nicola Ziadeh who said:

UNIQUE CAMPUS

From my personal experience I can say that AUB campus is unique—students and teachers here come from the four corners of the earth. I have taught students who have come from as far as Taiwan and the Philippines east and Peru west, and from lands in-between. One cannot talk to these people without being influenced by them. Principles, ideas and views must, by force, undergo a certain amount of change. In this respect AUB has provided me with a base—an intellectual and cultural base—where I enjoyed such exchanges of views and opinions, and where my own outlook of life has grown wider and deeper.

One Day in the Life of A Resident Doctor

It is a simple statement of fact to say that Resident doctors at AUH are required to be on call at all times, know everything on every patient, cover the Emergency Room 24 hours a day, and teach medical students at seminars and special sessions. Every Resident is on duty 36 out of every 48 hours. To be available at all times, Residents live in special quarters and always report how they can be reached. While on duty they do not part with their small radios which connect them to the hospital's paging system. They number around 96.

They wake up early in the morning (6:00 or 6:30) to start their rounds at 7:00. At 7:45, a Resident alternately proceeds to the Operating Room or to the Out Patient Department (OPD), a private clinics section for Residents, to see and admit new patients.

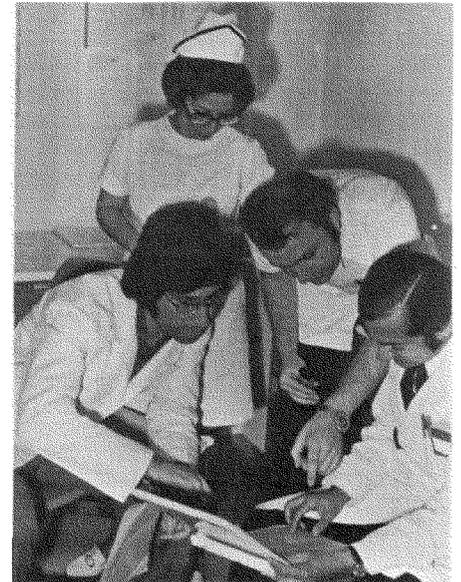
A Resident remains till 3:00 or 4:00 pm at the operating theater, usually without food, or with only a coffee and doughnut taken at the Operating Room coffee shop.

A Resident doctor has explained further that on leaving the operating

theater, he goes straight to see the patients he operated on the same day and the day before, as well as patients to be operated on the next day. At 5:00 pm he starts his evening rounds, visiting all patients and checking their stability, tests and measurements. It is only when this round is over that he can steal away to have lunch. Paper work is left for the evening when he writes the complaints of patients, reports on their progress and on whether or not they have a contra-indication to surgery. With luck, he may get some sleep during night duty, but very often he is called for a night emergency, with no sleep at all. His days off fall every other week-end, from Saturday noon through Sunday.

Residency is a training program for specialization, a transition period between a doctor and a specialist. A residency period varies from two years for pediatrics and medicine to three years for obstetrics, gynecology and ophthalmology, and four years for surgery and ENT (ear, nose, throat).

Between AUH and a community hospital like the Sidon Gov-



In consultation.

ernment Hospital where they spend part of their time, Residents are furnished with every opportunity for adequate training, good enough to compare with the best programs in the US.

AUB an Address of Culture and Education

(cont'd from p. 1)

A society which believes in values realizes that the best of nations are founded on education and science.

AUB: AN ADDRESS OF CULTURE IN LEBANON

Ladies and Gentlemen,

It pleases me on this occasion to give testimony in favour of AUB, which is more than one hundred years old.

I bear witness, in the name of Lebanon, that AUB has been an address of culture and education in Lebanon. AUB has been a testimony to Lebanon, attesting that education and knowledge grow in this country which is hospitable to institutions like AUB. Nothing will sever the close bonds between Lebanon

and AUB, because we are a people who preserve their heritage, a people who know very well that when they stand in the judgement of values they shall be asked about their attitude towards a university like AUB.

Today we are even more anxious to see Lebanon safeguard its educational cachet, its loving and hospitable character which is not complexed towards others. Expansiveness does not complex a small land, and a big population does not make a small population seek strength in numerousness.

Perhaps it is we who have discovered the truth about dimensions and known that the best dimension is depth and the best numerousness is density.

For this, we and AUB, we and any university like AUB, com-

plement one another.

LEBANON'S CONTINUED PROTECTION OF AUB

Ladies and Gentlemen,

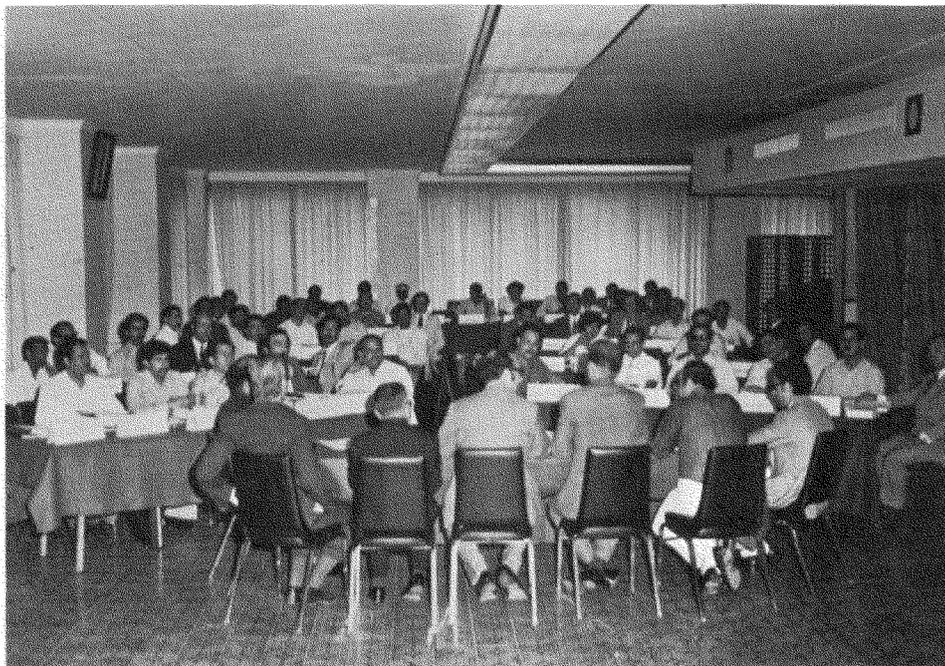
I am pleased on this occasion to honor two men who have given much, whose giving has been abundant, and at the same time to honor an institution which we revere and protect.

We want AUB to be assured of the protection of the Lebanese State.

This is also an occasion to honor educational and intellectual values which gather here tonight this elite of distinguished friends who represent the spirit of Lebanese aspirations and future for which we strive in the epoch of His Excellency President Sleiman Franjeh.

Third Management Development Program

The Third AUB Management Development Program was opened last week at the Beau Rivage Hotel. Fifty eight Arab managers from Lebanese, Saudi, Libyan and Kuwaiti private and public companies and government ministries are participating in this 3-week program this year. Ten AUB and three visiting Professors are utilizing the most modern scientific management techniques in training them. The program has experienced tremendous growth. The number of its participants rose from 9 in 1971 to 25 in 1972 to reach 58 this year. The Program Director, Professor Nabeel Shaath has indicated that no other program of its nature is given in the area. This program, he said, combines the fruits of advanced management practices and theories developed in the West with practical application in the Arab World. What is more, he added, the program is given for the first time in AUB history in Arabic.



Participants at work.

Mr. H. W. Page Gives Press Conference

(cont'd from p. 1)

to the development of the Lebanese University, or to the establishment therein of faculties of applied sciences, Mr. Page said that the question of the development of the Lebanese University and the creation of new faculties in this university are the concern of the Lebanese Government and not the responsibility of the American University of Beirut.

Pointing out that AUB does not exist for Lebanon only, but for all the region, Mr. Page went on to explain that AUB is not a university for the elite, but that on the other hand it cannot admit 50,000 students. He stressed that AUB is not a university for rich students, otherwise it would have raised its tuition fees threefold.

Mr. Page argued that education is costly, and that students who wish to join AUB will have to pay their share of its price. On the subject of financial aid to students, Mr. Page remarked that

opportunities for financial assistance are available in the form of scholarship grants and loans, work grants-in-aid, graduate assistantships, student employment and emergency loans. The amounts awarded, he explained, may vary from a small part of the tuition to full support for tuition, room, board and books. Many students come to AUB, he said, because of its academic level, and also because it creates within its students a large capacity of thought, and prepares its students in this part of the world to be good citizens in the service of their countries. AUB graduates, he said, have always occupied ministerial and high ranking positions in this area.

Referring to the deficit in AUB's budget, Mr. Page spoke in details of the University's sources of income, mentioning that the «Board of Trustees» has requested Arab oil producing states to participate in financing AUB.

Asked what will happen if AUB

ceases to be under American control, Mr. Page said it should be clear that all American aid, public or private, which AUB gets will be suspended if the administration of the University does not remain under American control.

Referring to the work achieved by the Program Study Committee, Mr. Page said that the Board of Trustees consider the work of the Committee as extremely useful, and that this work must continue.

In answering a question on participation by students and faculty, Mr. Page explained how AUB is run, pointing out that it is the Board of Trustees who appoint the President of the University, as well as the Deans of faculties after consultation with faculty members. He made it clear that this policy is maintained.

He mentioned that members of the Board of Trustees are specialists, each in his or her own field, and that they all cooperate in assisting the University in implementing its policy.

Board of Trustees Meeting AUB Deficit: A Challenge

The AUB Board of Trustees held July 2-5 its annual meeting in Beirut. During the four days of meetings, the Board of Trustees discussed a number of important subjects among them the Program Study and reports thereon prepared by the University's four faculties.

The Board of Trustees discussed as well the University's budget for next year together with plans to provide AUB with the necessary funds and enable it to continue its function in the service of Lebanon and the Middle East.

President Samuel B. Kirkwood has met with faculty and staff of the University and briefed them on the above meeting. He concentrated on the main problem which the University is facing, namely the financial situation, and spoke of the actions and decisions taken by the Board.

General Decisions

— The Board approved the Senate's reorganization whereby assistant professorial rank faculty, who have served the University for at least two years, shall henceforth be eligible as members of the University Senate. This step is taken in view of the belief that lately the Senate has not been sufficiently representative of the faculty, and the need to enlarge its membership has become necessary.

One significant point to have the Senate become strictly a faculty representation was raised, but it was believed that it is important to maintain the liaison and contribution of both faculty and administration. Consequently, the total number of members of the Senate will rise to 49. It is hoped that this will be a workable body.

— The Board appointed Dr. James W. Cowan as Dean of the Faculty of Agricultural Sciences.

— The Board also approved promotions within the various faculties which will be announced soon.

— The Board reviewed the revised curricula developed by the Schools of Pharmacy and Public Health. The



Trustees in front of Marquand House.

Board requested, however, that these studies be continued and further reported at the November meeting.

— The Board considered the exploitation possibilities of the old (OPD) site, but requested that further studies within the university be made.

— The Board approved the installation of a new high level additional water tank in order to improve water pressure throughout the system.

— The lease of new computer equipment is pending further investigation. The Board believes that the present equipment has undoubtedly to be replaced, but the finances remain the major hinderance.

Financial picture not at all discouraging

Speaking of the financial situation, President Kirkwood reported that after postponing procurement of budgeted equipment items, deferment of plant maintenance, adoption of a policy to freeze employment at February

1973 levels, and the receipt of about \$300,000 of additional income, the fiscal year 1972-73 ended surprisingly well. The increased cost to the University was primarily due to the dollar devaluation and amounted to \$70,000 as a total deficit. This deficit will reduce the university's permanently invested funds.

The present fiscal year presents a more difficult situation due to the extreme dollar fluctuation, President Kirkwood explained. If the dollar exchange rate is stabilized at the 2.40 level a \$1.2 million deficit is anticipated, provided the University receives a \$6.0 million aid grant. However, the situation will improve at the 2.50 level and a deficit of \$910,000 is foreseen. Due to drastic reductions it was possible to save \$730,000 by a variety of cuts—in the way of savings on maintenance and repairs or postponement of projects. Further cuts have also been proposed: a 75% reduction in equipment; a 50% reduction in foreign

(cont'd. opp. page)

travel budget; postponement of hiring new personnel. On the other hand, an additional possible government cost-of-living increase will add to the expenditures side. Income to meet some increased expenditure has been received through royalties on patent rights.

To balance the above deficit, the following measures have been suggested:

- cut equipment budget further;
- control consumption of expendable supplies;
- reduce library acquisitions;
- reduce New York Office expenditures;
- scrutinize all vacancies before filling them;
- perhaps cut down on salary increments.

Should the above measures be taken the deficit will be reduced to the neighborhood of \$500,000 which will again hit the University's endowment fund.

President Kirkwood concluded by pointing out that the financial picture of the University is not discouraging. He believes it presents a challenge to the university's alumni, friends, faculty and staff to develop the necessary additional resources to assure the long-term future of the institution.

He stressed that this, of course, depends largely on the efforts of each member of this Institution, adding:

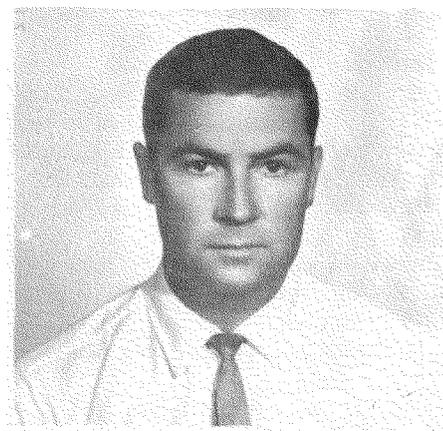
«To make it really effective, this must be considered as a challenge to each one of us. We have survived through difficult times, and we have to keep a concerted effort in order to maintain our present educational program which is most suited to the area. The only real answer to our development, is to increase the income side of the balance sheet because it is not possible to continue depending on our endowment fund. Hence, raising individual funds is the responsibility of every single member of this University, because the area includes prospective donors but they must be approached through alumni and friends of the University on whom we always depend and whom we trust.»

Prof. J. W. Cowan Appointed Dean of Faculty of Agricultural Sciences

President Samuel B. Kirkwood has announced that the Board of Trustees, at their meeting early this month appointed Professor James W. Cowan Dean of the Faculty of Agricultural Sciences (FAS). Dean Cowan succeeds Dr. Stanley Swenson who recently retired.

Professor Cowan joined AUB's Faculty of Agricultural Sciences in 1961 when he obtained his Ph.D. in Biochemistry from Pennsylvania State University. Apart from teaching undergraduate and graduate courses in nutrition, nutritional biochemistry, general biochemistry, food science and microbiology, Professor Cowan's academic work during the past 12 years involved research, mainly in the general area of human nutrition—32 research papers were published from AUB between 1963 and 1971.

Dean Cowan has worked closely with the Lebanese Ministry of Agriculture and the Lebanese National Institute for Scientific Research. He has helped initiate a contract with the Government of Jordan for in-service training of Jordanian Ministry of Agriculture employees by members of FAS. He also helped with the initiation of the Interfaculty Graduate Nutrition Program, in 1970, which is still the only such interfaculty academic program at AUB.



Dean J.W. Cowan.

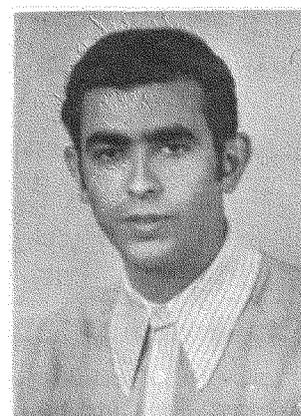
In addition to his various administrative duties, Dean Cowan is Chairman of the Board of Graduate Studies which is the responsible policy body for all graduate programs (Master's and Ph.D.) of AUB.

Dean Cowan is member of the American Society for Clinical Nutrition, the Lebanese Nutrition Society, Sigma Xi, as well as many other professional and honorary organizations. He is also member of the editorial board of the International Journal of the Ecology of Food and Nutrition, consultant to UNICEF/WHO/FAO for regional nutrition training projects for the Middle East, and consultant to FAO on agricultural research—1972-73.

Joint Agricultural Program With University of Riyadh

Dr. Mansour Abi Hussayn, Professor of Soils at the University of Riyadh, Saudi Arabia, has arrived at AUB where he is spending one month working with Professor Antoine Sayegh of the Faculty of Agricultural Sciences, on a joint research project between AUB and the University of Riyadh. The program consists of studying the soils of the Eastern Province of Saudi Arabia.

Two months ago, Professor Sayegh was invited by Dr. Abdul Rahman El Sheikh, Dean of the Faculty of Agriculture, Riyadh University, to initiate the joint program between the two universities. While in Saudi Arabia, Professor Sayegh discussed with Mr. Mohammed Shaibah, Director General



for Training at the Ministry of Agriculture, the possibilities of training Saudi staff in Agriculture and other fields at AUB.

English Department Chairman Lectures in Ireland

Professor Suheil B. Bushrui, Chairman of the AUB Department of English has been invited to lecture at the Yeats International Summer School, August 11th-25th, in Sligo (Yeats's hometown) in the Republic of Ireland. Professor Bushrui will be delivering a paper on «Yeats and the East» and will conduct four seminars on: Yeats's early poetry, Yeats's early plays, ideas of *A Vision*, and recent work on W.B. Yeats.

The Yeats International Summer School is intended as a permanent memorial to William Butler Yeats. It provides lectures, seminars, discussions, and performances of Yeats's plays, as well as excursions and visits to places of interest. Many of these, including Drumcliff where Yeats is buried, are enshrined in his work.

Professor Bushrui is one of 24 lecturers and leaders of seminars taking part in the program, among them Miss Kathleen Raine (London), Professor Richard Ellmann (New College, Oxford), Professor John Unterecker (Columbia University, New York), Dr. Oliver Edwards (Belfast), and Professor A.N. Jeffares (University of Leeds).

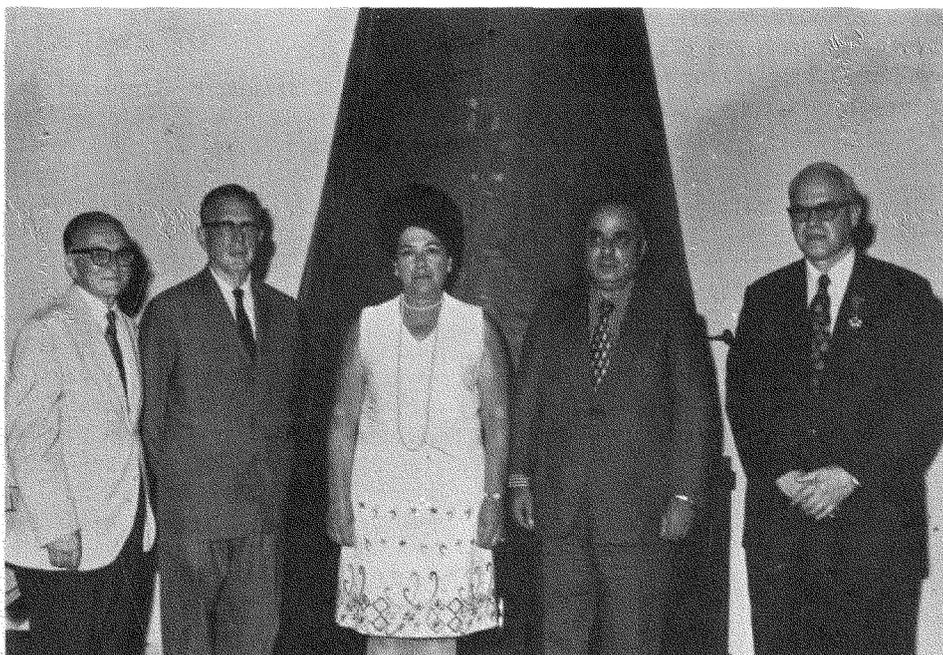
After the summer school Professor Bushrui will be attending the Second Triennial Conference in Cork, Ireland, organized by the International Association for the Study of Anglo-Irish Literature, to be held August 27-Sept. 1. Professor Bushrui has been asked by the executive committee of the Association to take to the Conference the photographs and material used in the Synge Centenary Exhibition which was organized by the AUB Department of English in 1971.

He will also be reading one paper on Synge and a report on Anglo-Irish Literature in the Lebanon and the Arab world.

Assistant Director of University Health Service

The Dean of the Faculties of Medical Sciences, Dr. Craig S. Lichtenwalner has announced the appointment of Dr. Salah Nasrallah as Assistant Director of the University Health Service as of July 1st.

Dr. Dwight C. Monnier Decorated



L. to r. Vice President Hakim, President Kirkwood, Mrs. Monnier, H.E. the Minister of Education, Dr. Monnier.

Vice President Dwight C. Monnier was this week decorated with the Lebanese Order of the Cedars of Officer Rank by H.E. the Minister of Education, Mr. Edmond Rizk. The award was made in the Faculty Lounge at a big farewell party given in his and Mrs. Monnier's honor before they left for the US where Dr. Monnier will be joining the staff of the American College of Cardiology at Bethesda, Maryland, Dr. Monnier's home state.

President Samuel B. Kirkwood, Mr. Shukri H. Shamma, Mr. David S. Dodge, Vice President George Hakim, Provost Samir K. Thabet, and a good number of notables and faculty and staff members were present.

Vice President Hakim welcomed the Minister of Education and spoke of Dr. Monnier's valuable service to the University. He was followed by H.E. the Minister who said he was happy to be again honoring a member of the American University of Beirut.

Mr. Rizk explained that in honoring Dr. Monnier, the Lebanon honors AUB and its community. There is no better occupation for a Minister of Education, he said, than that of honoring educators.

The Minister spoke of Lebanon as an educational prospect and stressed that Lebanon shall be the State where the university, education and know-

ledge are always honored. Mr. Rizk praised AUB for its services to Lebanon and the Arab world.

The last to speak was Dr. Monnier who said he was deeply honored and touched by the award, and asked the Minister to convey his appreciation and gratitude to His Excellency President Sleiman Franjeh.

Dr. Monnier considered his decoration not as a recognition of one man, but of many persons—young and not so young, Lebanese and Americans—who have banded together as a team which has brought a high level of coordination, efficiency and dedication to the University's support programs.

He said he wished to recognize also the gracious support given by the Trustees, pointing out that their generous gifts of time and effort have been invaluable to the University.

Dr. Monnier went to say that the University has been fortunate to have received excellent cooperation from the AUB Workers and Staff Syndicate Council. Labor and management together, he said, have achieved a fine working relationship.

Dr. Monnier concluded by speaking of his work with President Kirkwood and referred to him as a person of great personal integrity and a worthy successor to the Reverend Daniel Bliss, the founding father of AUB.

Professors N. Kawar and A. Sayegh Advise on Soil Chemistry and Pesticide Residues

Dr. Nasri Kawar, Associate Professor of Entomology and Dr. Antoine Sayegh, Associate Professor of Soils were invited last month by the Department of Agricultural Research and Extension at the Ministry of Agriculture, Jordan, to advise on soil chemistry and pesticide residues.

Professor Kawar was asked to help set up a pesticide residue and toxicology laboratory, and advise on the training of personnel, and Professor Sayegh was asked to review the problems of the various soils in the kingdom, and to suggest a research program in soil science. Professor Sayegh will be returning to Jordan for 10 days to visit research stations and be acquainted with the available facilities before suggesting a program for soil research in Jordan.

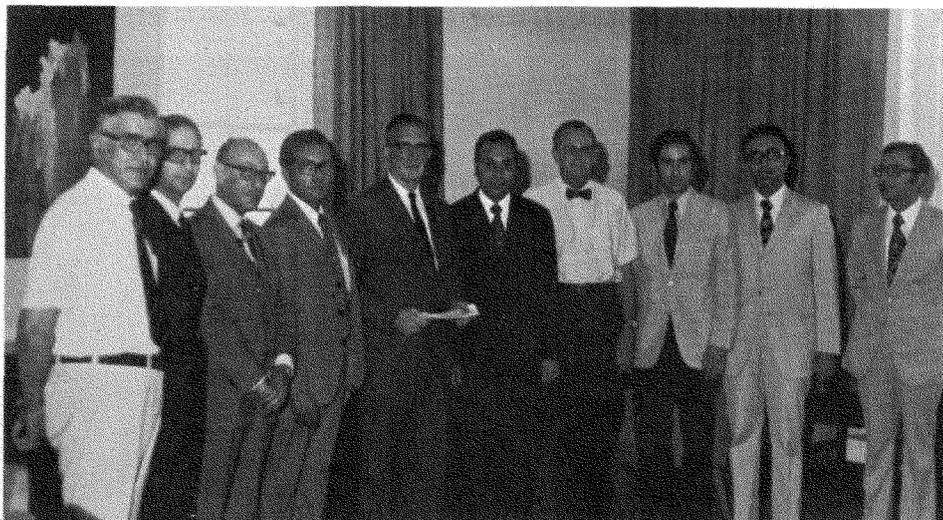
University Sanitation Service



The AUB Safety Center has released the following statement:

For your health and safety the AUB food service departments, their kitchen utensils and dairy products are routinely subjected to control tests and inspections by the University Sanitation Service to ensure that your food is clean, safe and healthy. Products that do not pass the quality control tests are not allowed to be served. The service also tests the AUB water supply.

Medical Alumni Scholarship Loan Fund



President Kirkwood receives donation of L.L. 39,000.

Dr. Caesar Shediak, President of the Medical Alumni Association presented this month a donation of LL39,000 for the Medical Alumni Scholarship Loan Fund to be invested by the University and the income used for needy medical students in good academic standing. The presentation of the gift was made to President Samuel B. Kirk-

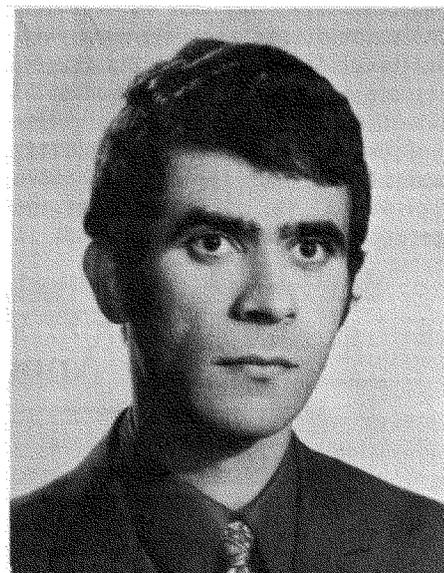
wood in the presence of Dr. John Malak, past President, Dr. Jacob Thaddeus, Secretary, Dr. George Bridi, Dr. Amin Barakat, and Dr. Marwan Uwayda.

Dr. Craig S. Lichtenwalner, Dean of the Faculty of Medical Sciences and Dr. Raif Nassif, Director of the School of Medicine were also present.

Murad Al Akl Essay Prize Goes to Mr. B. Gul-Zad

The Chairman of the University Orientation Program Professor Shehadeh Abboud recently announced the award of the Murad Al Akl Essay Prize to Mr. Besemallah Gul-Zad, a candidate for the M.S. program in Engineering from Afghanistan. Mr. Gul-Zad who is a graduate of Kabul University is one of sixteen students in UOP who submitted essays in competition for the Al-Akl prize. The prize was established by the Al-Akl brothers of Tanta Egypt 1945.

Mr. Gul-Zad will begin his graduate program next fall in the Faculty of Engineering and Architecture where he wants to work in the area of applied structures. His prize winning essay was selected by a faculty committee including members of the English Department and the University Orientation Program.



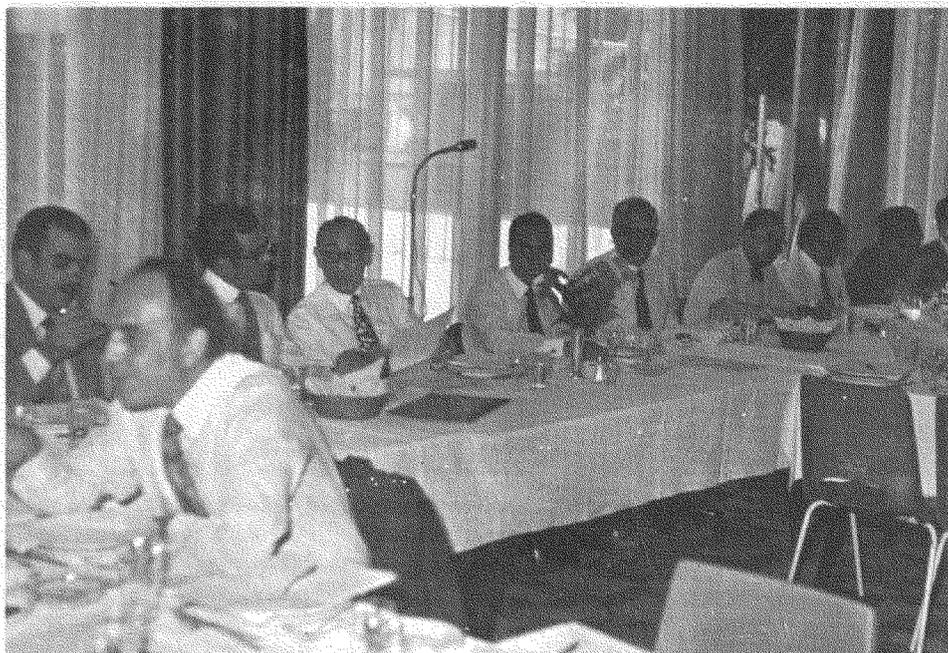
Mr. B. Gul-Zad.

Physical Therapist Wanted

The Department of Physical Therapy at AUH is in need of a Physical Therapist for summer relief during the

month of August. Qualified persons, are requested to call Mrs. Patience Hajj on extension 38714.

Medical Alumni Elect New Executive Committee



The general assembly meeting and luncheon of the Medical Chapter of the Alumni Association was held on June 23, at the Alumni Club. This annual meeting which is usually held during the Middle East Medical Assembly in May had to be postponed this year because of the unfortunate situation in Lebanon at the time.

The Assembly decided by a majority vote to donate its scholarship fund amounting to LL39,000 to the University hoping that it will be matched to form the nucleus of the Medical Alumni Scholarship Loan Fund for needy medical students. The assembly also approved a second proposal of the executive committee to establish a

merit award to be given to a medical alumnus who has done much to help the Chapter and Association.

The general assembly's last item of business was the election of the following physicians to form the new executive committee of the Chapter:—

President: Dr. Caesar Shediak M.D. 1959

Vice President: Dr. Marwan Uwaydah M.D. 1961

Secretary: Dr. Jacob Thaddeus M.D. 1950

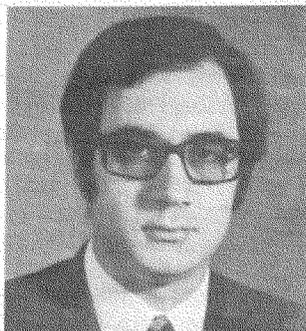
Treasurer: Dr. Michel Slim M.D. 1954

Members: Dr. Amin Barakat M.D. 1967; Dr. George Bridi M.D. 1960; Dr. Samir Srouji M.D. 1964.

University Health Service Appointment

Dr. Jabir Sawaya has been appointed as lecturer of Internal Medicine (Cardiology) and physician at the University Health Service.

Born in Shwair, Lebanon, in 1942, he graduated from the AUB School of Medicine in 1968. Following three years of residency training at AUH, Dr. Jabir spent two years of post graduate training in Cardiology at the Emory University School of Medicine in Atlanta, Georgia. Dr. Sawaya is single.



Dr. J. Sawaya

Special Summer Programs

Four special summer programs, sponsored by the Division of Extension and Special Programs, are offered this summer as in-service, refresher, and advanced education in areas of interest to the region. Three of these programs appeared in the last two issues of the BULLETIN. The fourth, and last program is published below.

Colloquium on University Education for Administrators
July 18 — August 1, 1973

This is the Sixth Colloquium on University Education. The theme is Graduate Study: Problems and Opportunities. It will focus on current problems facing graduate study in Arts and Sciences (humanities or letters, social sciences and natural and physical sciences) in universities in the Middle East.

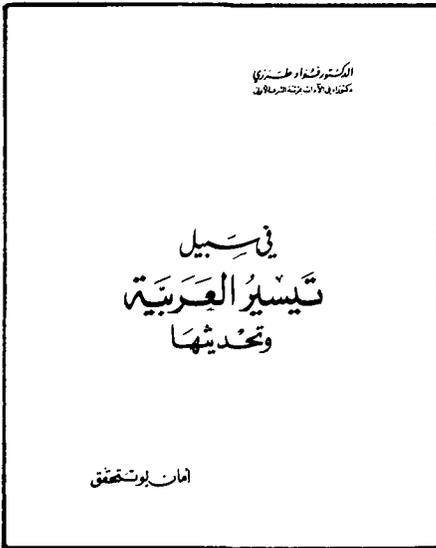
The Colloquium will consider problems relating to the preparation of students for graduate study in the region and abroad; it will examine academic standards and methods of study, options and priorities in programs, and graduate preparation in light of available jobs. Participants are invited to raise particular questions relating to any aspect of graduate study.

Invitation to this Colloquium is addressed to ministers of education and presidents of universities as well as deans and chairmen of graduate programs in Middle Eastern Universities. About 30 participants are attending from Arab and non-Arab Middle Eastern countries.

Dr. Elie Salem is Coordinator of the 1973 Colloquium.

Participants will also enjoy several Saturday sight-seeing trips to places of historical and touristic interest in Lebanon, use of sports facilities on campus, and entrance to the AUB swimming area.

**New Book
By Prof. F. Tarazi**



«Ways and Means for Simplifying and Modernizing Arabic,» a new book by Professor Fuad Tarazi of the AUB Department of Arabic and Near Eastern Languages has just been published. In this book, Professor Tarazi deals with the difficulties of Arabic grammar and with Arabic vocabulary and the Arabic writing system. He reviews the difficulties which a student of Arabic confronts in the above fields and proposes ways for the simplification of the Arabic language, and for bridging the gap between written and spoken Arabic.

**Dean of Arts
College Visits AUB**

Professor Peter H. Smith, Chairman of the Department of Fine and Performing Arts received last month Dr. Richard G. Adamany, Dean of Fleming College Florence, of Florence, Italy, who was visiting AUB to introduce Fleming College Florence to the community here. The brochure left by Dr. Adamany describes Fleming College Florence as a two-year coeducational college that offers a program comparable to that of the first two years of a liberal arts college in the United States.

**Prof. Y. K. Ibish Participates in
Ecumenical Colloquium in Houston**

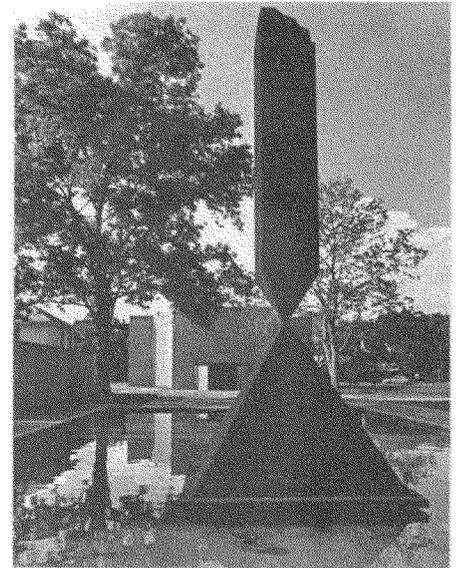
«Traditional Modes of Contemplation and Action» is the theme of the colloquium which a group of four Oriental scholars are organizing later this month in Houston, Texas, under the auspices of the Menil Foundation.

The group of scholars includes Professor Yusuf K. Ibish of the AUB Department of Political Studies and Public Administration, Monsignor Georges Khodr (Beirut), Professor S.H. Nasr (Teheran) and Professor A.K. Saran (India) who will participate in this colloquium (July 22-30) together with a number of the world's leading traditional authorities and scholars.

Participants will be presenting papers on different aspects of religious traditions of the world, to be followed by discussions. Lectures, films and concerts of traditional music are also included in the colloquium's program. A number of young students interested in religious traditions will attend as auditors.

This colloquium is to be held at the Rothko Chapel, an ecumenical chapel built around the last commissions of 14 huge canvases by the American abstract painter Mark Rothko.

In a long report two years ago on this ecumenical chapel, the Smithsonian said John and Dominique de Menil, the prestigious art patrons of Houston have largely supplied the inspiration and financial support for the chapel as well as the chapel's companion work, a monumental sculpture



The Broken Obelisk.

called *The Broken Obelisk*, by Barnett Newman who died suddenly after his friend Mark Rothko. Mr. and Mrs. de Menil have dedicated the obelisk to the memory of Dr. Martin Luther King.

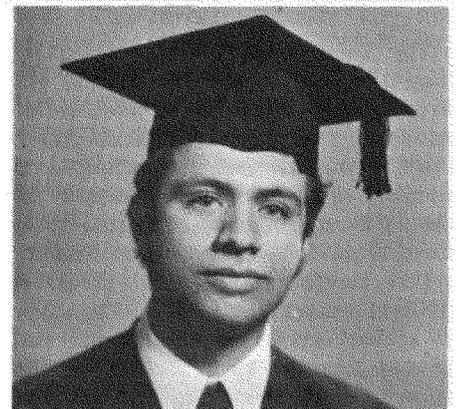
In a declaration to the BULLETIN, Professor Y.K. Ibish expressed the hope that at this particular juncture of the history of the West, when so many are searching for the spiritual and metaphysical roots of religion especially in the oriental tradition, such a colloquium will serve the purpose of directing the attention of many to the «Way».

**Fulbright-Hays Scholarship Awarded
To Mr. I. Y. Akar**

The Fulbright-Hays scholarship for this year is awarded to Mr. Ibrahim Yusuf Akar who has graduated in Political Studies and Public Administration with an average of 78.8.

This scholarship program, designed to promote the general interests of international educational exchange, was last year awarded to Mr. Omar Taky on his graduation from the AUB School of Architecture.

Mr. Ibrahim Akar will be joining the Department of Urban and Policy Science at State University of New York.



Mr. I.Y. Akar.

AUB in the Press

Emigrant Donates \$ 250,000 in Scholarships



The Colorado Springs, Col. *Sun* reported recently that Dr. Samuel E. White, a retired dentist has given AUB more than a quarter of a million dollars in scholarships.

Dr. White (b. 1891), who never attended the Syrian Protestant College as AUB was then called, credits the college for having taken him to USA where he achieved his success through the practice of dentistry and an investment program.

Early this year, Dr. and Mrs. White established a trust which bequeaths their entire estate to AUB upon their deaths.

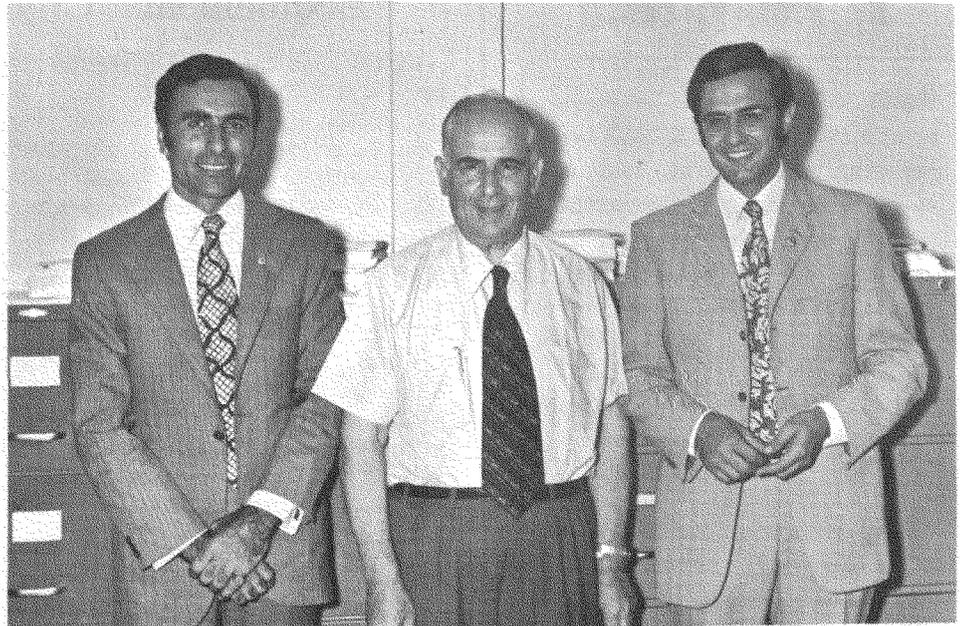
Dr. White was born in Garzuze, north of Beirut. His father, who was a school teacher when the American Presbyterians established their mission school, went to USA three times before he finally emigrated with his family.

Peace March

The Tulsa, Okla., *Star* published in May the long letter in which Mr. Arthur H. Whitman spoke of the Beirut-Saida Peace March which Americans living in Beirut (including a number of families and members of the AUB community) organized over three days, Good Friday-Easter Sunday.

In a foreword, the paper describes AUB as one of the major institutions of higher education, pointing out that it was founded by Americans a century ago and opened to all races, regardless of color, or creed.

10 - Year Service Pins



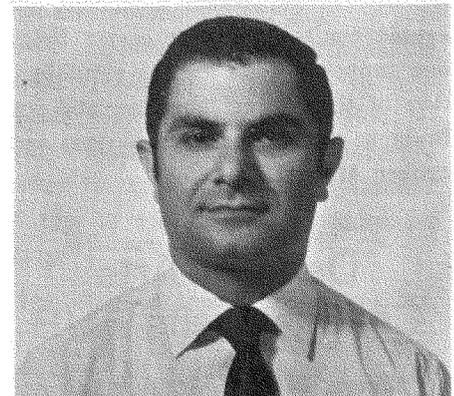
Mr. Joy Abu Jawdeh, Training Officer, and Mr. Michel Dagher, Hospitalization Insurance Plan Clerk were presented last week with 10-year service pins at a party held in the Benefits Coordinator Office. The presentation was made by the Director of Person-

nel, Mr. Farid A. Fuleihan in the presence of Vice President Dwight C. Monnier, Vice President George Hakim, Provost Samir K. Thabet as well as Mr. George Sayegh, Assistant Director of Personnel, and members of the staff.

Prof. A. H. Hallab Attends Conference in Canada

The International Development Research Center (IDRC) of the Canadian Government invited Dr. Abdul Hamid Hallab, Associate Professor of Food Technology and Nutrition at the AUB Faculty of Agricultural Sciences (FAS), to attend a conference last month on Cereal and Baking technology at the University of Manitoba, Winnipeg, Canada.

After the conference, Dr. Hallab travelled at the request of IDRC to Ottawa, where he stayed two days conferring with the Director of Agriculture Food and Nutrition Sciences, Dr. Joseph Hulse, and Assistant Director Dr. Gerald Bourrier on the pos-



sibilities of giving a grant to AUB from IDRC for research in the fields of Cereal and Legume Technology related to the Near East region.

New Cabinet of Engineering Alumni Chapter

The following were elected members of the new Cabinet of the Engineering Alumni Chapter at the General Assembly which was held on July 9, at the Alumni Club:

Mr. Adel Hamiyeh, President
Mr. Riad Salamoun, Vice President

Mr. Garbis Tabourian, Secretary
Mr. Nizar B. Karam, Treasurer
Dr. Usamah Abdus-Samad, Member
Mr. Isam Bazzi, Member
Mr. Hagop Demirdjian, Member
Mr. Rajai Khuri, Member
Miss Vassiliki Laios, Member

What is a Practical Nurse?



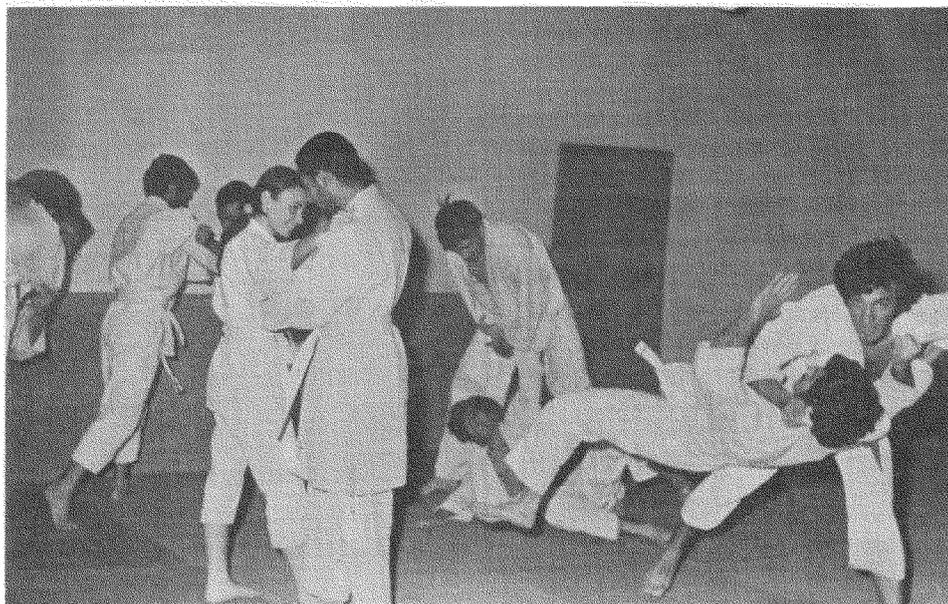
Practical nurses are important, carefully-trained members of the 20th-century medical team. They learn - both through classes and in practical work - the skills and attitudes needed to care for hospital patients. Of course, they learn what they can do to help sick people, but they also learn how to spot signs of change in the patient's condition or serious illnesses which must be reported immediately to a professional Nurse or a Doctor. Practical Nurses learn how to cooperate with other members of the medical team and, most important of all, they learn that in a busy, modern hospital, learning never stops.

A new brochure on the Practical Nurse Training Program has been published. It speaks of practical nursing as a career and explains the admission requirements for the training program. For further information telephone: 340460, ext. 38600.

Student Council Scholarship Loan Fund

The AUB Student Council deposited late last month LL37,443.75 with the Comptroller to establish the *Student Council Scholarship Loan Fund* as an endowed fund. This gift was matched by the Anonymous Donor in equal amount for the same purpose, and by another equal amount from the Rockefeller Foundation, with this second matching sum going to the operational budget of the University. Applications for scholarships from this Fund will go through the Student Council, with the Council's recommendations of names and amounts to be submitted to each Faculty Scholarship Committee for final decision. One year after the total Student Council Scholarship Loan Fund equals LL100,000, scholarships out of the annual interest will be available for disbursement.

AUB Judo Club



Judo as developed by the Japanese Jigoro Kano, in the 1880's, was an art of fighting where combatants relied entirely on maximum efficiency in the dual use of mind and body to overcome, and kill, their challengers. This has since been changed, Prof. Jacobus Letterie, of the Department of Political Science and Public Administration, and advisor to the AUB Judo Club, has explained. Now an opponent is simply outwitted and outsmarted by the application of different armlocks and chokes, and pinned down on the back for 30 seconds before declared defeated.

Judo playing at AUB was started some years ago at the Faculty of Engineering and Architecture when it voted to make Judo compulsory to all engineering students. A shed was built in lower campus for that purpose and interest in Judo surged because it requires top physical form and mental alertness. When the Faculty later dropped this requirement, there followed a lull. Interest, however, rose again with the arrival of Prof. Thomas Malone who, in the late '60s, formed an informal club with members mostly students from the Department of Biology. Prof. Donald Bray of the Faculty of Agricultural Sciences said eventually faculty members joined with their children, not for the mastery of the sport, but for the exercise. Prof. Bray was advisor to the Club for a few years, and he recommended the

employment of students, who knew Judo, to take care of the children and supervise their training. Last year, Prof. Letterie, took over as advisor and Judo instructor. Mr. Fayez Shafic, a student at the Lebanese University, is assisting Prof. Letterie in teaching and supervising the children.

Two types of students come to the club. Some come on the assumption that they will learn in less than no time how to protect themselves, but these are soon disappointed for it takes quite a lot of time and effort to develop Judo skills. Others come because they are fascinated by Judo techniques and principles which Prof. Letterie describes as a challenge to resourcefulness and endurance. These students usually continue to do Judo as long as they are at AUB.

This year, the Club has 13 children who practice twice a week (Mondays and Wednesdays) and 25 adults (including 3 girls) whose practice days are Tuesdays and Thursdays.

Prof. Letterie hopes his promotion of the AUB Judo Club members will be internationally recognized, and Prof. Bray wants to see a Judo revival on campus. Prof. Letterie has pointed out that Judo is becoming more popular all over the world, and is no longer dominated by the Japanese whose supremacy has vanished, especially in the heavy weight categories as was demonstrated at the Munich Olympics.

New Lebanese Cabinet

The Prime Minister in the new 22-man Cabinet, Mr. Takieddine Solh, is a former AUB student, and two members of the Cabinet, Dr. Nazih Al-Bizri (Minister of Economy and Commerce) and Dr. Ali Al-Khalil (Minister of State) are AUB graduates. Dr. Al-Khalil is member of the AUB Faculty of Engineering and Architecture.

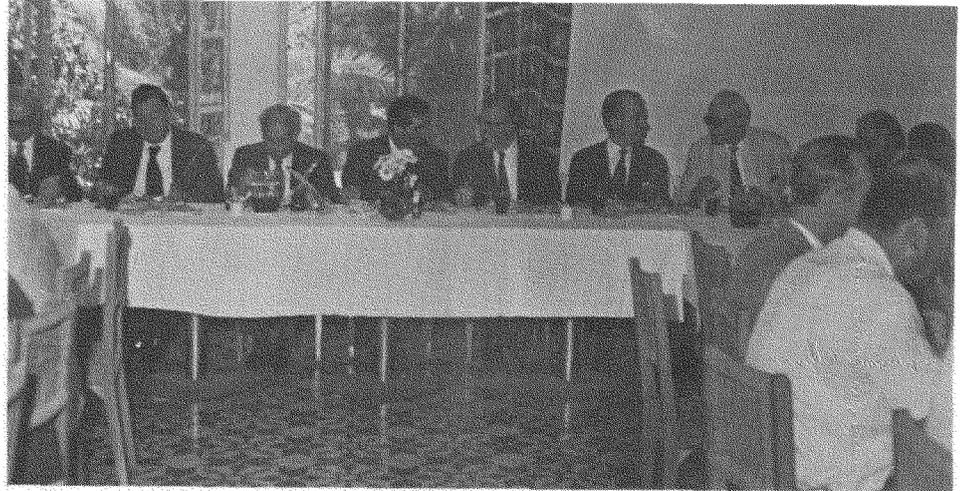
Equipment Budget Reduced

In deliberating the 1973-74 budget, the Budget Review Committee has been forced to drastically reduce, among other reductions, the equipment budget. A procedure has been suggested for the review of equipment requests to ensure that the limited funds available are being utilized in the best interests of the University, and the Projects Review Committee (PRC), functioning as it does in the review and screening of projects, will now review equipment requests.

PRC, composed of representatives from the faculties and staff, will review equipment requests in order to coordinate requirements between faculties and staff so that maximum utilization of both new and existing equipment will be achieved and duplications and redundancies avoided.

To assist PRC in objectively reviewing equipment requirements, a justification as to its purpose and use will need to accompany each requisition. Individual faculty members and department heads are urged to work closely with their PRC representative so that he can discuss the item and need therefor when reviewed by the Committee as a whole.

AUB Workers and Staff Syndicate Honor Trustees



L. to r. Mr. W.F. Rice, Dr. C.H. Plimpton, Mr. H.W. Page, Mr. John Saba, President S.B. Kirkwood, Ambassador P.T. Hart, Dr. D.C. Monnier, Mr. S.H. Shammās.

During the Board of Trustees annual meetings this month, the AUB Workers and Staff Syndicate invited the trustees and their wives to a luncheon at the Faculty Lounge in Ada Dodge Hall.

President Samuel B. Kirkwood, Vice President George Hakim, Vice President Dwight C. Monnier and senior officials of the University were also invited.

The President of the Syndicate, Mr. John Saba welcomed the guests and congratulated the new Chairman and Vice Chairman of the Board of Trustees, Mr. Howard W. Page and Ambassador Parker T. Hart. He also thanked the outgoing Chairman, Dr. Calvin H. Plimpton.

Mr. Saba expressed the Syndicate's appreciation for the efforts of the Board of Trustees to enable AUB to continue its educational function and services. He concluded by hoping that the Syndicate's appreciation will mean a little encouragement to the Board.

Mr. Howard W. Page, Chairman of the Board of Trustees, thanked and praised the Syndicate for its understanding and cooperation. Mr. Page referred to AUB's financial situation and said the Board hoped to overcome this difficulty. The Vice Chairman, Ambassador Parker T. Hart, who spoke in Arabic, also thanked the Syndicate for its cooperation, and Dr. Calvin H. Plimpton spoke in praise of the Syndicate.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To:

Stamp

.....
.....
.....
.....
.....
.....

AUB BULLETIN



VOLUME XVI, No. 28

THURSDAY, SEPTEMBER 6, 1973

104 Commencement Exercises



990 more graduates

AUB held three graduation exercises late in July in the Assembly Hall to award its degrees to 990 men and women graduates of the faculties of Arts and Sciences, Medical Sciences, Engineering and Architecture, and Agricultural Sciences. This is a record figure as the number of graduates was almost 25% of this year's total number of students. The three ceremonies replaced the usual ceremony that is annually held on the AUB Green Field but which had been cancelled due to the extension of academic programs in May. In view of the limited space in the Assembly Hall, attendance was restricted to the graduating students and their parents, and to a group of professors.

Similar to a year ago, the theme of the 104th Commencement Exercises this year was «Times are Still Stern—and Still Demand Leadership.» This was laid down in the *Charge* to graduates which was pronounced by President Samuel B. Kirkwood (see page 5).

As usual, the traditional exercises started with the splendid academic procession of professors and graduates to the tunes of the Processional March. After the Lebanese National Anthem was played, Mr. George Miller pronounced the Invocation.

The first graduation exercises ceremony was held on Monday, July 23 for 401 Arts graduates.

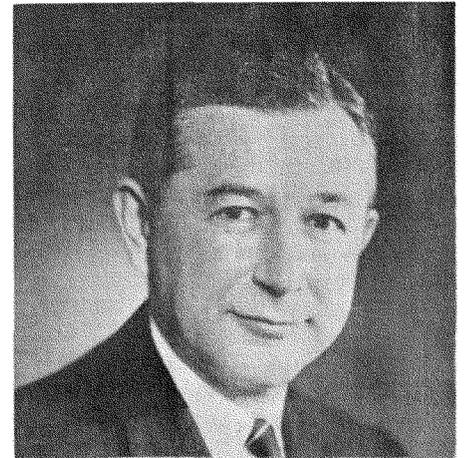
In a speech of welcome, Dr. Nicola Ziadeh, Professor of History addressed the graduates saying:

«Long is the road before you and difficult the task. But ambition is great and aspiration high. Hope is bigger than ambition, and faith is solid. Proceed!»

The remaining two exercises were held the next day for 589 more graduates. Degrees were distributed to Sciences graduates in the morning, and to graduates of the faculties of Medical Sciences, Engineering and Architecture and Agricultural Sciences in the afternoon. The speaker at the

(cont'd on p. 6)

Dr. S. P. Asper Joins AUB



Dr. Asper

Dr. Samuel P. Asper, Vice President for Medical Affairs at the Johns Hopkins Hospital, has been named Dean of the Medical School of the American University of Beirut and Chief of Staff of the American University Hospital.

This appointment which is effective October 1 was announced early last month by Dr. Samuel B. Kirkwood, President of AUB. In addition, Dr. Asper will hold the academic post of Professor of Internal Medicine.

In announcing the appointment, President Kirkwood said, «I am pleased to welcome Dr. Asper to AUB, where he is well-known in our community. Dr. Asper has taken an active role in the implementation of the successful Exchange Program in Medicine between Johns Hopkins and AUB, and I am confident that our University will benefit greatly from his vast experience and distinguished record in medical sciences.» Dr. Craig S. Lichtenwalner, Dean of the Faculties of Medical Sciences of AUB, added, «Dr. Asper has had rich experience in medical education and hospital management which I know will be invaluable to AUB.»

(cont'd on p. 7)

Therapeutic Dietician



Miss McDermott

The appointment of Miss Regina McDermott to the Dietary Department as a therapeutic dietician was announced in July. Miss McDermott is working very closely with patients and their physicians and reports to Miss Penny Rowley, Chief Dietician.

Symbolic Strike To Protest Against Rise in Prices

Members of the AUB Workers and Staff Syndicate went on strike on Tuesday, August 28, in response to the call of the General Confederation of Labor, which groups 14 syndical federations, for a symbolic strike of one day all over Lebanon in protest against the vertiginous rise in prices.

Serious Water Shortage

Mr. Roger W. Chehire, Acting Director of Physical Plant has announced that AUB may soon have to face a serious water shortage. Already, the main water storage tanks on Campus are no more filling up. This is due to repeated city cuts as a result of this year's insufficient rainfall.

Mr. Chehire has urged members of the AUB community to make sure that taps are completely closed when not in use. Leaky water taps and pipes should be reported immediately to Physical Plant — Ext. 2687 or 2681.

Measures have been taken to make maximum use of AUB's potable and brackish water resources. Mr. Chehire added that the next step to be taken if the situation gets worse, is to reduce the central air conditioning load.

US Senator Visits Campus With Prominent Graduate

Mr. Michel I. Ma'luli (BA '55, MA '59), MP for West Bekaa, has been elected Deputy Speaker of the Lebanese Parliament. Early last month, Mr. Ma'luli received the US (Democrat) Senator for South Dakota, Mr. James Abou Rizk, who is of Lebanese descent, and who was visiting the Lebanon.

During Senator Abou Rizk's short stay, Mr. Ma'luli accompanied him on a visit of the AUB campus which the US Senator described as very beautiful. Senator Abou Rizk praised AUB's reputation and told Mr. Ma'luli he knew that AUB's level ranks among the highest. Senator Abou Rizk also said that he hopes his son will study here.



Senator James Abou Rizk

Dr. Philip A. Salem Assists WHO Expert Advisory Panel on Cancer

After consultation with the Lebanese Government, the World Health Organization has invited Dr. Philip A. Salem, Director of the Cancer Program at the American University Hospital of Beirut to serve for a period of 5 years as member of the WHO Expert Advisory Panel on cancer. Membership of such a panel is an honorary appointment. Its members

are asked to give WHO the benefit of their knowledge and to inform it of important developments in their own subject, particularly in countries in which they are working. Then functions also include the formulation of technical recommendations and the making of recommendations designed to initiate, stimulate and coordinate research.

Dr. Munib Jalal Shahid Dies

The AUB School of Medicine has announced with deep regret the sudden decease of Doctor Munib Jalal Shahid, Professor in Internal Medicine (Hematology) and one of the University's senior professors of medicine who have supervised the graduation of successive generations of physicians.

Dr. Shahid was among AUB's foremost physicians who spent long years in medical research. His remarkable research in hematology was the subject of papers and discussions in international medical journals. He sent his last research paper for publication one day before he passed away.

Dr. Shahid had his B.S. in 1931 and his M.D. in 1935 from AUB where he taught and served for 38 years - since his graduation and until his death on Saturday, August 25. He specialized in Internal Medicine and Hematology in

various medical centers in the US and was Head of the Division of Hematology and Oncology at the Department of Internal Medicine.

Dr. Shahid was a Fellow of the American College of Physicians, a founding member of the Lebanese Cancer Society and the first president of the Lebanese Hematology Society. He was also a member of the International Society of Hematology and a member of the European Society of Hematology.

Dr. Shahid was this week posthumously awarded the Lebanese Order of Merit, Commander Rank.

AUB community, and the colleagues and many students and friends of Dr. Shahid extend their heartfelt sympathy and condolences to his wife, Mrs. Serene Munib Shahid and three daughters in their bereavement.

Prof. E. T. Prothro Appointed Director of Behavioral Research Center



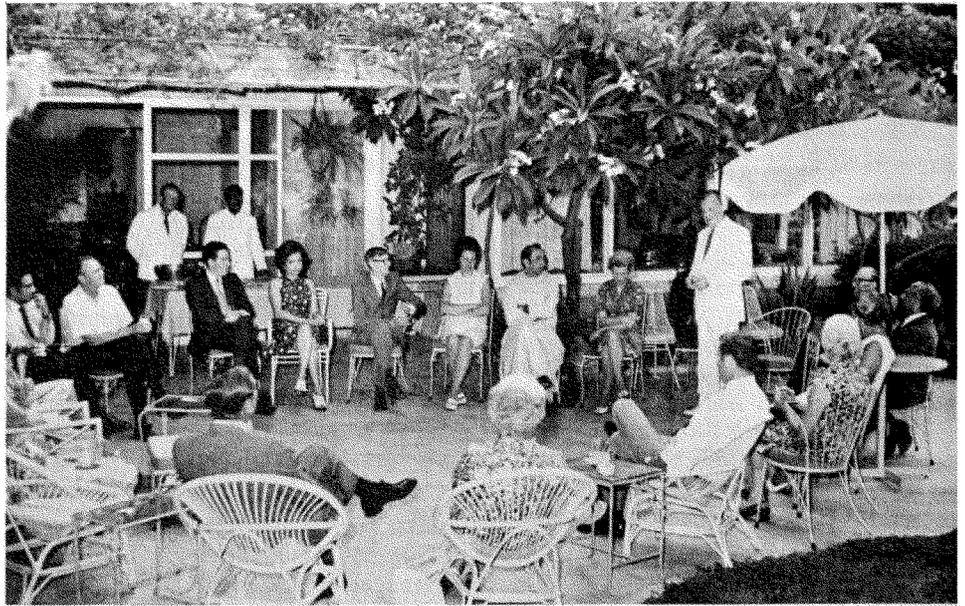
Professor Prothro

President Samuel B. Kirkwood announced early last month the appointment of Professor Edwin Terry Prothro, former Dean of the Faculty of Arts and Sciences, as Director of the AUB Center for Behavioral Research. Professor Prothro has resigned as Dean of the Faculty of Arts and Sciences after serving eight years in this post. He will now be devoting his time to his work as Professor of Psychology at the University and to supervise the Center for Behavioral Research which is jointly sponsored by the Department of Psychology and the Department of Sociology and Anthropology.

The Center carries out interdisciplinary research in human behavior with particular attention to the Middle East. It also channels applications for grants from outside agencies, and sponsors projects by Faculty members of the two Departments.

In making the announcement, President Kirkwood called attention to the accomplishments of Professor Prothro during the past eight years of his services as dean and thanked him for his efforts. He said the University would benefit further from Professor Prothro's educational and administrative experience and ability, now that he will be devoting his time to teaching and to the directorate of the Center.

Mr. Francis L. Kent Retires



President Kirkwood addresses party

On the occasion of the retirement at the end of September of Mr. Francis L. Kent, University Librarian a small private party was given in his honor last August in the gardens of Marquand House. President Samuel B. Kirkwood who referred to the occasion as sad and spoke of Mr. Kent's avid interest in people who use the libraries, expressed his heartfelt good wishes to him.

Vice President George Hakim spoke next saying he had good news and announced that the Lebanese Government has bestowed the Order of the Cedars on Mr. Kent. Provost Samir K. Thabet also congratulated Mr. Kent for the decoration.

In his speech, Mr. Kent requested Vice President Hakim to convey his deep thanks to His Excellency President Sleiman Franjeh and said he wished to share the honor with all those who worked with him in the libraries. He thanked President Kirkwood and AUB for the kindness and

friendship he found during his sixteen years of service.

A token of friendship from the community was presented to Mr. and Mrs. Kent by Provost Thabet.

In the University Libraries Annual Report (1972-1973), Mr. Kent referred in July to the effect which the fall in the value of the US dollar has had on the Libraries' budget, and announced a serious drop in gross additions.

The Report mentioned that gross additions to Libraries stock fell by 30% in two years, from 25,347 volumes in 1970-71 to 17,756 volumes in 1972-73. Moreover, some two-thirds of the volumes added represent volumes of periodicals bound, works in more than one volume, added copies, etc., *not* items previously unrepresented.

The Report explained that this means that new *titles*, i.e. true additions to the *intellectual* content and strength of the Libraries, are down to 5479 volumes—from 12,700 volumes two years ago—a drop of all but 57%.

1,500,000 Unauthorized Calls

In its original design the AUB Telephone system was fitted with restrictors to prevent automatic out-of-Beirut dialing from any «dial 9» station.

The bypassing of these restrictors by AUB users has increased the number of calls to the astronomical figure of one and half million calls

per year, for which AUB pays some LL115,000.

To cut down the ever growing expenses for unauthorized calls, the University has now secured and installed electronic restrictors which will prevent all «dial 9» lines from direct dialing outside of Beirut.

Sugar Beets Seminar Held at AUB Farm

The AUB Faculty of Agricultural Sciences (FAS) held in August a seminar on sugar beets at the University's Agricultural Research and Education Center (AREC) in the Bekaa.

The seminar, organized by Professors Harry Henderson and Alexander Bartosik of Agricultural Engineering at AUB, included presentations and discussions on various phases of sugar beet production all the way from seed production to processing. It was attended by Mr. Elias Harawi, MP, representatives from Ford Foundation, members of the Sugar Beet Cooperative, extension agents from the Bekaa, officials from the sugar factory, as well as AUB faculty and students.

A number of professors and delegates from the Sugar Beet Cooperative and the sugar factory in the Bekaa participated in the presentations and discussions.

In a lecture at the seminar, Professor Salah Abu-Shakra, Chairman of the AUB Department of Crop Production and Protection, explained that the results of research in seed production indicate that the Bekaa has good potential as a seed producing area.

Mr. David Gaiser, Instructor in Mechanization at FAS spoke of various mechanization practices and developments with regard to the production of sugar beets.

He described an electronic synchronous thinner which selects plants for thinning in such a way that a uniform stand is left in the field. This machine, he said, has recently been developed by

an American manufacturer and has just been introduced in sugar-beet producing areas in the US.

A good part of the seminar was devoted to plant protection. Reports on disease incidence and control were given by Professor Omar Mamluk, Visiting Research Associate in Plant Pathology and by Mr. Jack Hraish, Graduate Assistant at AUB.

Results of research in chemical weed control were explained by Professors Abdur Rahman Saghir and Nasri Kawar who cautioned against the improper use of insecticides.

A presentation on the problems of sugar beet production in Lebanon was given by Mr. Mohammad Said Meiss, Manager of the Sugar Beet Cooperative, who spoke of the problems concerning the farmer and his relation with the processing factory. Mr. Meiss pointed out that the sugar factory has an output which meets 20 percent of the country's needs. Arrangements are under way to raise the present capacity of 1,000 tons to 2,000 tons.

Other participants included Professor Alexander Bartosik, visiting lecturer in Agricultural Engineering at AUB who discussed various harvesting methods and processes, and Mr. Samir Shelbaya, chief technologist at the sugar factory who spoke of the industrial processing of sugar.

Participants also visited the sugar factory in Anjar where Mr. Raif Kassim, civil engineer and one of the directors conducted them on a tour of the plant.

AUH Implements Electricity Conservation Plan

AUH has issued a circular informing its various departments that in view of anticipated shortages in electrical power supply this coming fall, the Hospital is implementing an electricity con-

servation plan as of this week. The Hospital points out that this contingency plan is in support of Government measures to reduce consumption.

10-Year Service Pin

Mrs. Mary Mansour Halabi was awarded last June a 10-year service pin. The award was made by Dean Robert Najemy and Dean Hind Musa at a small party held in the Student

Affairs Office. Mrs. Halabi previously served in the Student Affairs Office as secretary to the Dean of Women and was recently promoted to the position of Administrative Assistant.

Prof. McGlothin Participates in International Conference on Research



Prof. McGlothin

Professor Gerald E. McGlothin, Assistant Professor of Electrical Engineering, participated in the 1973 Joint Automatic Controls Conference (JACC) held last June at Ohio State University, Columbus, Ohio. The JACC is an international conference for the presentation of original research in the areas of control theory and application. Professor McGlothin presented a paper on The Method of Extended Operators In Partial Differential Equations.

Dr. Karam Elected Vice Chairman of World Scout Committee



Dr. Karam

Dr. Farid Karam, BA '50, MD '54, of the Department of Otolaryngology, has been elected Vice Chairman of the World Scout Committee at a meeting held in July in Nairobi, Kenya. Dr. Karam is the first Arab scout ever to hold such a position in World Scouting and the youngest Vice Chairman since its founding in 1906. Thirteen and a half million Scouts in the world are governed by the World Scout Committee.

President Kirkwood's Charge to Graduates

Times Are Still Stern, and Still Demand Leadership

Below is President Samuel B. Kirkwood's Charge to graduates at the 104th Commencement Exercises last July (see page 1):

Before the castle of Elsinor, Hamlet, the Prince of Denmark, followed the beckoning of his father's ghost. Finally, Hamlet stopped and said,

«Where wilt thou lead me ? Speak. I'll go no further!»

In this one line Shakespeare has put all the questions of the great calling of leadership.

I give that to you this evening as my charge to you as you leave AUB this year. I stress that because you are going to be leaders. Because of the training you have had as university students, you cannot avoid that destiny. You came here because of the kind of training a university can provide and the kind of opportunity it would bring to you. You have survived to this Graduation Day because you have met the test of this education.

TO LEAD IS TO SERVE

Fortunate it is that you have, for times are still stern — as they were a year ago — and still demand leadership — a leadership of knowledge, of one whose convictions come from a hard personal training in the search for facts and the discipline of daily decision. It is a leadership of the practical understanding of how to work and of the visions of people, too. It must be a leadership of high calling and of selfless dedication. To lead is to serve.

Collectively and individually, as leaders, you will occupy positions from which there is no return. Your own abilities, your honesty, your sincerity will mark your success — and only these.

You have been acknowledged as capable of inspiring others to follow. Clearly you must have a purpose, a reason for wishing to lead in a direction you would give. It was the imperative manner of his father's ghost which drew Hamlet along. Without that, there is no leadership.

With this first enthusiasm comes the great and initial question, «Where wilt thou lead me?»

The answer, of course, lies in the cause, small or great, as may be. And for this the leader is the spokesman. His voice is the one that is heard throughout the land.

But, then, it is the years of development that are the difficult ones — the ones of accommodation, of compromise, of doubt. These are the times in which the leadership is tested and emerges in its full glory or fails.

For the next question is far more difficult. Hamlet said,

« . . . Speak. I'll go no further.»

It is a far more taxing time upon the leadership than the early phases. Many of the great pioneers fall at this point. Many of those who pick up the burden to carry on have never exhibited the special qualities of the pioneer. Each is an honorable estate.

But each must account for his actions to his own people, to the whole community, and ultimately to his own conscience.

No one has to become a leader, but if he does there is no turning back. He assumes an awesome responsibility, for which he alone becomes accountable, an accountability which includes the lives of other men. There is always a time when those you lead will demand this accounting, if your leadership is to grow.

«Speak, or I'll go no further.»

TRUTH SETS PEOPLE FREE

There is only one final guide in all this. It can be only the motivation, the driving force, the will, the vision, the beliefs of the leader. If these have truth in them, all is well, for truth must be at the center of any valid leadership — that in the end must account to all people. It is here that your training and your education support you — if you have learned that truth lies in facts that are objective, that truth cannot be distorted or it ceases to be truth, that in truth is service.

This is the truth that sets people free — none other and none less.

Great leaders can never be narrow men nor proud men. They are men who are humble before the great panoply of the past and the great broad opportunities of the future.

Turning to graduates of the Faculty of Arts and Sciences, President Kirkwood said:

You of the Arts have had perhaps the broadest training for leadership. You have in your studies the balance that is so essential in a world of science and commerce. It is the right of every man to think and read and contemplate, but it is your particular contribution to the world to guard its thought and beauty.

You of the Sciences have had training especially for a world that has turned technical. In many ways you hold the keys to everyone's future — a fearful charge. But the man of science is often by his very work closer to nature than others and, perhaps even more than they, able to recognize a vision of the universe.

President Kirkwood addressed graduates of the faculties of Medical Sciences, Engineering and Architecture and Agricultural Sciences, saying:

As professional graduates you are particularly favored and therefore accountable. In all societies the professional man has always been looked upon with a certain degree of distinction — an acceptance of his additional skills and training beyond the area of his own specialized interest. Yours is a remarkable field for service.

In concluding, President Kirkwood said :

Yes, answer the question in truth,

«Where wilt thou lead me?»

But, be ready, too, to answer again,

«Speak. I'll go no further.»

Take this responsibility with a sense of the highest dedication.

104 Commencement Exercises

(cont'd from p. 1)

morning ceremony was Dr. Adib Sarkis, Professor of Chemistry who said:

«Let the degrees which the University awards to graduates lead them to a new world where they are expected to build, create and excel. We want our brethren graduates to be strong, law-abiding, and rich in giving; to be scientists who are lofty in their modesty.»

At the afternoon ceremony, Dr. Afif Mufarrij, former Chairman of the Order of Physicians and professor at the AUB School of Medicine said in his address:

«I have hopes that our men and women graduates who stand now on the threshold of the future will strive to sustain the message of learning and knowledge for a better future.»

Three student addresses were delivered at the three ceremonies in the name of the Student Council by Messrs. Mohammad Dajani-Dawudi, Yusuf Alami and Hassan Sharif.

At the first exercises ceremony, Mr. Mohammad Dajani-Dawudi, President of the Student Council for the academic year 1972-73 spoke of student aspirations and demands, saying: «We want to have esteem in our community. We want to exist as an element that has value and importance and ability to produce and give and refuse.»

Mr. Yusuf Alami, who delivered the student address at the second ceremony spoke of the question of a raise in tuition fees saying that this matter requires patience, objectivity and sincerity, as well as reliance on the principles whereon AUB was founded.

Mr. Alami stressed that no student should be deprived of education because of lack of funds. He concluded by mentioning the importance of Arab oil wealth and its effect on the future of this part of the world.

Mr. Hassan Sharif delivered the student address at the third ceremony. He too spoke of the question of an increase in tuition fees, and of the program study and student participation, pointing out that programs should be developed in order to halt the brain-drain.

Campus '73

Campus '73 is dedicated by the University Yearbook Committee to «those students who, throughout their stay at AUB, offered invaluable sacrifices and overcame many obstacles to give the student movement its actual dimension.»

The editor in chief of this yearbook, Mr. Najib B. Azzam announces in a foreword that the Committee have succeeded in establishing two all time records in the history of the AUB Yearbook: the largest number of student photographs and the highest income from advertising.

Campus '73 offers a report on the University's program study, a brief history of every school on campus, colored cartoons at the start of each section in the book, and a pictorial run down of the events of the year and the activities of the Student Council.

The Yearbook details the collection, by the Student Council, of the sum of LL 37,972 which has been deposited for the establishment of the «Student Council Scholarship Loan Fund.» This sum has been matched by Anonymous Donor in equal amount for the same purpose. It is also matched by the Rockefeller Foundation, with such matching sum going to the operational budget of the University.

In introducing AUB, the Yearbook quotes the following passage in which Dr. Daniel Bliss expressed the guiding principles of the College on Dec. 7, 1871,

«This College is for all conditions and classes of men without regard to color, nationality,

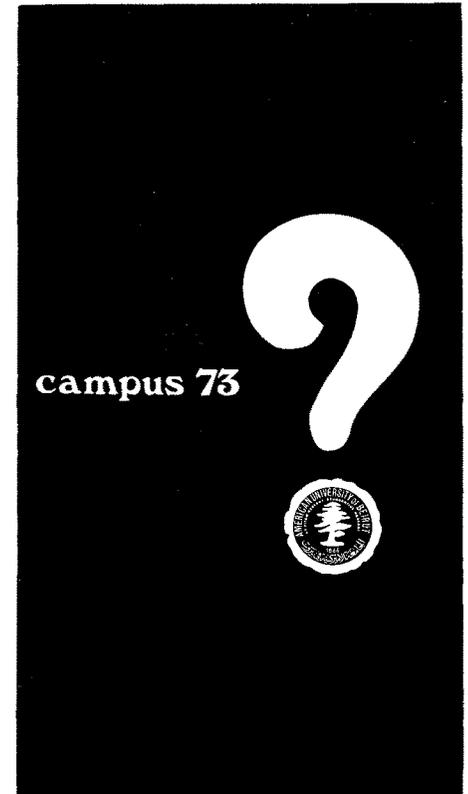
race or religion. A man, white, black, or yellow, Christian, Jew, Mohammedan or heathen, may enter and enjoy all the advantages of this institution for three, four or eight years; and go out believing in one God, in many gods, or in no God. But it will be impossible for anyone to continue with us long without knowing what we believe to be the truth and our reasons for that belief.»

Professor Jamil Ali Dead

Professor Jamil Ali of the AUB Department of Mathematics died early last month at AUH at the age of 66.

Professor Ali, B.Sc. (Honors), Exeter University, UK, was with the Government Arab College, Jerusalem, and the Syrian University, Damascus, before he joined AUB in 1953.

Professor Ali translated a number of mathematical works into Arabic. His interest in mathematics and its development culminated in his preparation of the AUB's centennial publication entitled «A translation of Al-Biruni's astronomical book: 'Kitab



campus '73

Tahdid Nihayat Al-Amakin Li-Tashih Masafat Al-Masakin'.» He will be remembered for his strong interest and devotion to the teaching of mathematics. He was responsible for the introduction of «additional mathematics» at the secondary schools in Palestine, and for strengthening the mathematics curriculum at the AUB School of Engineering.

The University community, and the colleagues, students and many friends of Professor Ali offer their sincere condolences and sympathy to his wife Mrs. Iffat Kabbani Ali and three children in their bereavement.

Dr. S. P. Asper Joins AUB

(cont'd from p. 1)

Dr. Asper, a native of Fort Worth, Texas, and a graduate of Baylor University, has been associated with medicine at Johns Hopkins throughout his career, having completed his medical studies in the School of Medicine in 1940. After his internship and residency training in Internal Medicine, a Fellowship at Harvard and military service in World War II, Dr. Asper was appointed Assistant Professor of Medicine at Johns Hopkins in 1950.

Later, he also became Associate Dean of the School of Medicine and, as such, served as Chairman of its Admissions Committee and directed the School's Postdoctoral Studies Program.

During this period, he became Professor of Medicine and Chief of the Division of Endocrinology. He was appointed Vice President for Medical Affairs in 1970, a post he has held for the past three years.

Since the early 1960's Johns Hopkins has had an Exchange Program and affiliation with the American University in Beirut, supported by a grant from the Commonwealth Fund of New York City, to improve medical education and health care in the Middle East. In particular, the Program was designed to provide advanced experience for younger members of the AUB Faculty preparing them for academic medical careers. Under the Hopkins-AUB Program, carefully selected medical graduates of AUB have received advanced training in Medicine at Johns Hopkins. Of 25 physicians who have studied at Johns Hopkins on this Program, four have become department chairman in the AUB Medical School.

Six Johns Hopkins Faculty members have served as visiting professors at AUB during the past 10 years, bringing to the Faculty specialty training capacity in surgery, pharmacology, pediatrics, anatomy, ophthalmology and medicine.

«It is my hope,» Dr. Asper said in commenting on his appointment, «to strengthen the ties, especially in medicine, between the United States and Lebanon and the Middle East.»

«The Middle East,» he added, «is expanding rapidly in health care. AUB has long played, and must continue to play, a considerable role in that growth. Remarkable opportunities for

research, teaching and patient care exist at AUB and throughout the Middle East.»

Dr. Steven Muller, President of Johns Hopkins, said of Dr. Asper's appointment, «I am warmly delighted that Dr. Asper will be able to make so great and distinguished a contribution to an outstanding overseas institution with which we at Hopkins for so long have had a close and continuing relationship.»

Dr. Asper is a past president of the American College of Physicians and has served as chairman of the American Medical Association's Section on Internal Medicine, among many other academic distinctions and achievements. He has been awarded the Order of the Cedars in recognition of his contributions to the advancement of medical education in Lebanon. Dr. Asper is married to the former Ann W. Carver. They have two married daughters.

In addition to the above, Dr. Craig S. Lichtenwalner Dean of the Faculties of Medical Sciences has released the following:

«It is a pleasure to call your attention to President Kirkwood's recent announcement of the appointment of Dr. Asper as Dean of the School of Medicine and Professor of Internal Medicine.

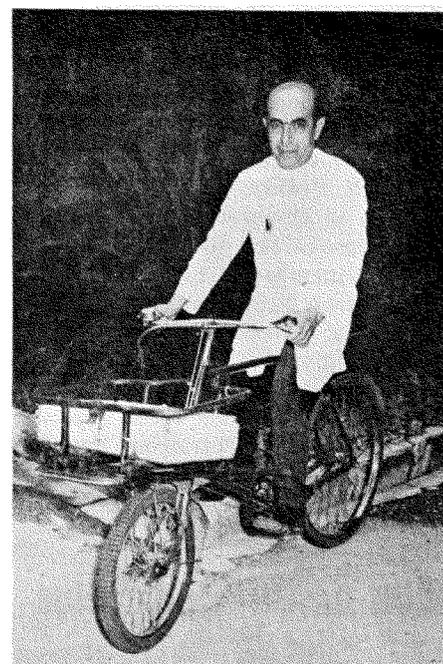
«In addition, Dr. Asper will be assigned responsibility for Hospital operations under a title designated tentatively as Medical Director. He will also serve as Chief of the Medical Staff.

«The purpose of these assignments of functions is to provide coordination of the many interrelated activities of the Hospital and the Medical School. Dr. Raif Nassif and Mr. David Egee, Director of the School of Medicine and Director of the Hospital respectively, will continue in their present positions.

«The Dean of the Faculties of Medical Sciences will continue to have responsibility for all programs and for overall coordination in the Faculties of Medical Sciences.

«Many of us know Dr. Asper from his long association with the Johns Hopkins-AUB Faculty Exchange Program. I know that all of our faculty and staff join me in bidding him welcome. Dr. Asper is expected to assume his new duties on October 1, 1973.»

20-Year Service Pin



Mr. Avedis Oughourlian is a familiar figure on campus. Many of us see him daily on bicycle carrying blood samples to the hospital and bringing food from the cafeteria for in patients at the Infirmary.

Mr. Oughourlian joined the University Health Service in 1953. He was awarded at a private party last month the 20-year service pin by Dr. Nabil Nassar, Director of the University Health Service.

Book by AUB Professor Praised

Professor Khalil S. Hawi's book *Kahlil Gibran: His Background, Character and Works* (Publications of the AUB Faculty of Arts and Sciences, Oriental Series No. 41) was highly praised by Mr. Timothy G. Hanley of the Department of English at Glendale College in California. In a letter to the publishers of the second edition, Mr. Hanley enquired if a copy could be purchased for the school library. He explained that he happened across a copy of Professor Hawi's book while he was doing research at the University of California at Los Angeles Library.

President Kirkwood Attends Board Meeting of Saudi College of Petroleum and Minerals

President Samuel B. Kirkwood attended early last month in Taif the meeting of the Board of Trustees of the Saudi College of Petroleum and Minerals in Dhahran. President Kirkwood attended this meeting in his capacity as member of the Board which is headed by H.E. the Saudi Arabian Minister of Petroleum, Sheikh Ahmad Zeki Al-Yamani.

Dr. Kirkwood said that close cooperation exists between AUB and the Saudi College of Petroleum and Minerals, and that a number of AUB professors assist in the curriculum of the College.

AUB Reserves Admission For Draftees

In response to measures of the Lebanese Army command regarding the drafting of students for military service, and in an effort to assist students to continue their university education after they complete their one year military training, AUB has announced that it will renew for the academic year 1974-75 the acceptance of all Lebanese students who have been accepted for the academic year 1973-74 and who have been drafted into military service.

The University requests applicants who wish to take advantage of this privilege to inform in writing the Office of the Registrar not later than March 31, 1974.

Sixth Colloquium on University Education



Participants at work

The Sixth Colloquium on University Education was held at AUB in July. Participants in this two-week colloquium included a large number of presidents and deans of universities and chairmen of graduate programs in Middle Eastern universities, as well as professors, thinkers and specialists from Egypt, Jordan, Kuwait, Saudi Arabia, Yemen, Lebanon, Turkey, Pakistan and Iran.

This colloquium was sponsored by the AUB Division of Extension and Special Programs. Professor Elie Salem, Chairman of the Department of Political Studies and Public Administration at AUB who supervised the organization of this colloquium said this colloquium was one of nine such programs to discuss the problems and opportunities of graduate study. The Colloquium considered the planning

of special programs for graduate study to meet the urgent needs of national universities.

Speakers at this colloquium included a number of thinkers and distinguished professors, among them Dr. Charles Malik, Dr. Constantine Zurayk and Dr. Wadi Haddad, President of the Educational Research and Development Center at the Ministry of National Education. The colloquium considered problems relating to the preparation of students for graduate study in the region and abroad. It also examined academic standards and methods of study in the Lebanon and Middle East, and the promotion of secondary school and college programs to provide proper background for graduate study, together with other highly important subjects for the development of such study.

AUB BULLETIN

The AUB Bulletin is the official news publication of the American University of Beirut, Beirut, Lebanon. It is published weekly, except during University holidays, by the Office of Information, College Hall, 306.

Director of Information and Responsible editor:

Redwan Mawlawi.

Editor: George Salhab.



Address
To :

Stamp

.....
.....
.....
.....
.....
.....

