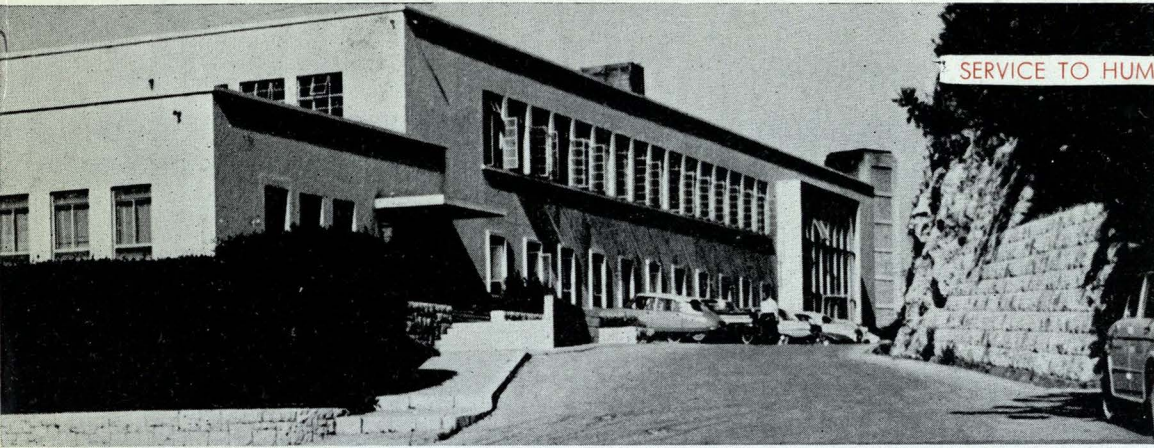


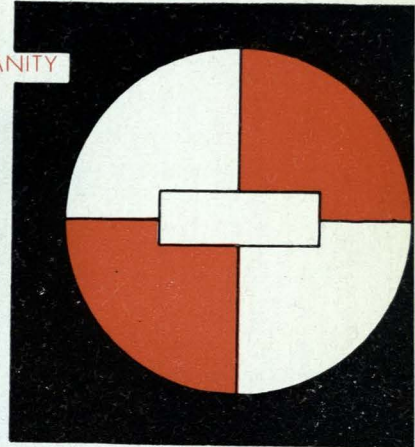
SCHOOL

The late president Stephen B. L. Penrose and Mr. Stephen D. Bechtel overlooking the site of the future Bechtel Engineering Building in October 1950.

A. U. B.



SERVICE TO HUMANITY



published by the students of the school of engineering

1961 YEARBOOK

10th Anniversary of the establishment of the Faculty of Engineering as one of the separate Faculties of A. U. B.

OF ENGINEERING

AMERICAN UNIVERSITY OF BEIRUT | BEIRUT, LEBANON

our oath

School of Engineering American University of Beirut

مدرسة الهندسة الجامعة الاميركية في بيروت

Engineer's Oath

يمين المهندس

Using the heritage left by my professional forebears, I dedicate myself to the pursuit of knowledge and the search for truth in the extension of the benefits of my profession to humanity. I will strive always to disseminate what engineering knowledge I acquire. And I will fully accept my responsibility for the instruction of younger members of my profession.

Jealous of the high repute of my calling, I will strive to protect the interests and the good name of any engineer.

To all, I pledge integrity and fair dealing, tolerance and respect, and devotion to the standards and dignity of my profession. I gladly accept the obligation to use my special knowledge and expertness to serve humanity with complete sincerity.

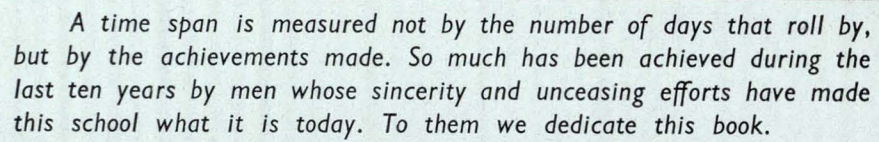
I will strive faithfully to fulfill the solemn obligations of my profession and to govern my life and practice by its Canons of Ethics.

اتعهد ستيعنا بالارث الذي تركه اسلايني في هذه المهنة
أن اكرس نفسي للسعي وراء المعرفة والبحث عن الحقيقة في امداد
المجتمع بما في مهنتي من فوائد وسأبذل جهدي ودمائي
نشر ما اكتبه من علم هني وأخذ على نفسي ان أعلم
الشباب المستميين الى هذه المهنة.

وحفاظاً على ما تمتع به هذه المهنة من رفيع القام
فانني سأبذل جهدي في حماية مصالحه كل فرد من
زملائي المهنيين والمحافظة على سمعة الطيبة.

واتعهد للجميع بالامانة وصدق المعاملة والتسامح والاحترام
والولاء، لا استطلبه مثل هذه المهنة وكرامتها. وأعد
بأن أضع علمي وخبرتي في خدمة المجتمع بكل ما
أوتيت من اخلاص.

وأعد بأن اتوم بكل امانتة بما تقتضيه واجبات
مهنتي وان أسير حياتي وأعمالي بموجب
فانونها اسلتي.

A decorative border with a repeating floral motif surrounds the text. The border consists of a series of stylized, symmetrical floral or leaf-like shapes arranged in a continuous line.

A time span is measured not by the number of days that roll by, but by the achievements made. So much has been achieved during the last ten years by men whose sincerity and unceasing efforts have made this school what it is today. To them we dedicate this book.

HAPPY BIRTHDAY

Today is my Birthday. I am more than fifty years old and I thank God that I am fine and healthy and happy. But it was not always like this, I have had a strange and rough life... for more than forty years I did not have a home of my own. I was a wanderer, people did not always recognize me. Sometimes they mixed up my name with others, sometimes they forgot about me altogether.

Then one day, ten years ago, a kind man gave me some money, so I built a building all for myself, I planted flowers outside, I wrote my name inside and I bought new furniture. My status was established then I started spreading my message with ever increasing strength and efficiency.

But I could not do all this by myself. Many nice people helped me and are still helping me and I am grateful to them all. Certainly I am especially thankful to those who have accompanied me during these last 10 years, and helped make me what I am. They have dedicated their lives to me, I have dedicated my services to them and to all those who chose a similar career.

The following pages are an album of life with me during these last years. They also contain a few unusual surprises.

I wish you all a happy and successful career.

Engineering at A.U.B.

A GLANCE AT THE PAST

The growing need for specialists with vocational training in agriculture and civil engineering to operate the agricultural development schemes brought about the establishment in 1914-15 of an agricultural engineering course in the A.U.B. This course was so planned that graduates would be able to specialize along strictly agricultural or engineering lines.

It covered three years two of which were parallel to the junior and senior years after which a candidate was granted a B.A. and a third at the end of which he got a B.S. with a diploma showing the nature of studies pursued during the course. Students were required to pass Freshman Maths, drawing with at least 65 in addition to ordinary required subjects of the Sophomore year. They studied elementary analysis, Analytic and Descriptive Geometry. 6 weeks were devoted to workshop practice and a similar period to Advanced Surveying. These were done during the intermediate two summer periods. The curriculum comprised the basic courses in physics, chemistry and maths together with Topographical Drawing, Plotting, Mechanical Drawing, Strength of Materials, Mechanism, Thermodynamics and Shop work (First 2 years), Rural Engineering Design, Hydraulics, Hydraulic and Sanitary Engineering, Materials of Construction, Materials Testing, Highway Engineering, Theory of Structures, Reinforced Concrete and Foundations were offered during the third year.

The first batch of 4 was graduated in 1916 under the chairmanship of Professor James Patch (Professor of Chemistry).

Then came the 1st World War and the course was discontinued to be restarted in the 1918 Academic Year. The same curriculum was maintained until 1920-21 when Professor G.A. Bisbee, on leave from Carnegie Institute of Technology, was appointed Head of the Engineering Department. In 1921 four more graduated with a B.S. in Agricultural Engineering.

With the return of Professor Bisbee at the end of 1921 an Academic Year was dropped and students under Professor Jurdak as Head of Engineering Department worked to get their B.A. with a view to continue their Engineering Education in America or Europe if they so wished.

From 1922-1945 no radical changes were made though gradually new courses were being introduced, teaching personnel increased and laboratories organized though often apparatus and equipment were home made.

1944-45 marks a new phase in the development, as advanced courses in Structures, Architecture, Sanitary Engineering, Town planning and Irrigation were introduced. Design courses were stressed and the presentation of a special project became a requirement for graduation as a B.S.C.E.

It must be mentioned that the Engineering graduates contributed a lot towards the development of the Middle East and amongst them we find prominent Engineers, well known contractors, ambassadors, representatives in the U.N. and members of Parliament. One of them is an expert in the erection of modern oil refineries others occupy important positions in the U.S.A. The reputation of our graduates stays high in such schools in the U.S.A. as Massachusetts Institute of Technology, Harvard University, Michigan University and many others.

All these achievements can be explained because of the maintenance of the personal contact between teacher and student.

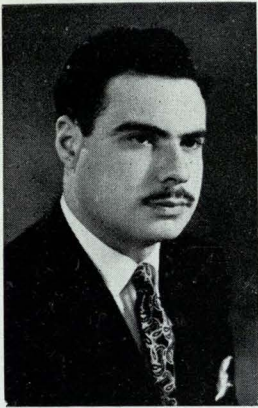
The growth of the Engineering School both physically and academically has followed a geometric progressive pattern. Under proper planning and guidance it grew from a small department of the School of A. and S. to a complete School housed at present in the Bechtel Engineering Building and supplemented by many laboratories and a plant offering facilities for more advanced training.

Its program is planned to meet the requirements of this part of the world through a high standard of professional training. Every facility is given to bridge the traditional gap between school training and the practice outside.

The close contact which has for always been a tradition of the school continued to prosper with the help of more staff and an expansion of facilities.

Its sacred mission of preparing graduates not only as engineers but also as citizens continues to be. Progress has no limit and therefore the A.U.B. School of Engineering continues to grow and prosper and to contribute its share in the progress of the Middle East and the World as a whole.

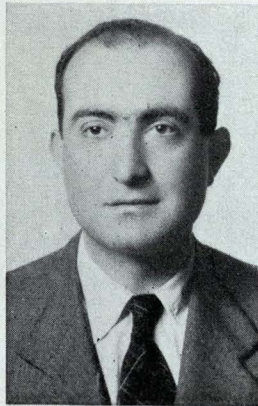
THREE ENGINEERS FROM THE CLASS OF 1952 TELL US NOW ABOUT SOME OF THEIR ACTIVITIES DURING THESE LAST 10 YEARS



... Up till about the end of the year 1957, I was employed by different firms for design and contracting work in the Middle East. I have worked for one academic year at the School of Engineering (A.U.B.) where my time was occupied partly in doing heating design work and partly assisting in teaching. I have then spent a period of about three years with a British firm called Tecton Construction which was mainly concerned with the construction of stabilized roads and small buildings such as the popular houses for refugees and others. During this interval I have also had particular experience in waterproofing methods and materials. Later, I have joined the well known Rabya Cooperative Company, Lebanon, for about a year, as Project Engineer and then I worked for a few months with the Lebanese Government on Highway Design. During all this period I was also busy doing private jobs on my own in Building Construction until early in 1958 I had to give up employment altogether and I established my own private business.

Besides Building Design, I am particularly interested in details of Construction Work such as Expansion Joints or joints that move generally in buildings, concrete runways, reservoirs etc., and I have spent a few months in London to specialise in this field. I was then able to obtain Agencies for special building materials among which and most important is that of the Expendite Group of Companies of London and I can now say that I am doing very good business in many parts of the Middle East. The only difficulty about this kind of work is that a lot of travelling is involved and I can assure you that although both my home and my Beirut office are in Hamra some people may be inclined to believe that I am residing at the Beirut International Airport.

Victor B. BOULOS



... Since June, 1952, work and educational interests have taken me to several places both in the Middle East and in the United States. To be brief I shall report upon my present work only.

At present I am working with Malcolm Pirnie Engineers, a consulting engineering firm specializing in the water supply, drainage and water and sewage treatment. The project I am working on is a study for expansion of existing facilities at Uunts Point Treatment Plant in the Bronx, New York.

The study involves such works as a new aerator foam control system, construction of four new final settling tanks each with a surface area of 12,000 square feet, construction of six new 65-foot diameter thickening tanks, construction of new chlorination facilities, improving sludge pumping facilities and installation of a new sludge gas-oil engine.

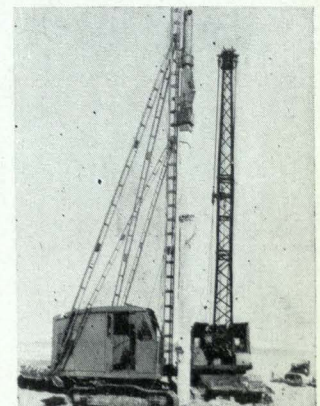
The cost of the work is estimated at about 6,000,000.00.

Papken V. DJANJIGIAN

... I started work in Saudi Arabia in 1952 as a Construction Engineer for Yaakubian Firm (Syria). The work consisted mainly of residential buildings and hospitals for Tapline. After one year of work for this firm I left it and joined the Consolidated Contractors Company. My first assignment was in Aden where I spent 18 months during which I supervised the construction of a big swimming pool and some civil Engineering work in the British Petroleum Refinery. From Aden the Company sent me to Saudi Arabia as its representative. My new job included all constructional and administrative work in the area. The main projects the Company carried out then, were 15 miles 30" dia pipe line for carrying oil, extension to Aramco hospital in Dhahran, residential quarters for local people and the last job the Company carried out was auxilliary stations on the Trans-Arabian pipe-line to increase the pumping capacity. In 1957 our work in Saudi Arabia was finished and I was sent back to Aden as Chief Engineer and Manager. My work since then has been more on the administrative rather than the technical side. It is comprised of pricing, public relations and policy making.

As you go out of your school, look very carefully for the right kind of professional experience, for only through it, can one, assisted with one's theoretical background arrive at intelligent solutions to new and more intricate Engineering problems. As experience and professional maturity come slowly with time, one has to be patient and take things quietly and with a clear mind.

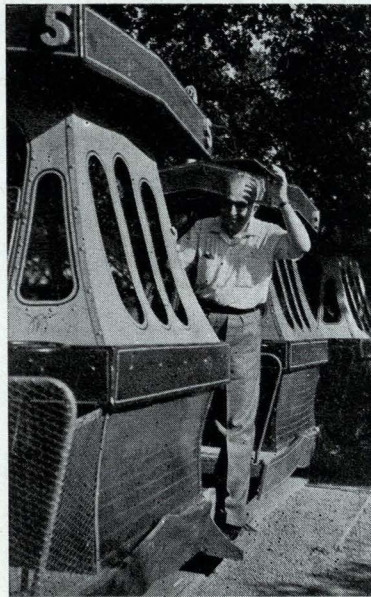
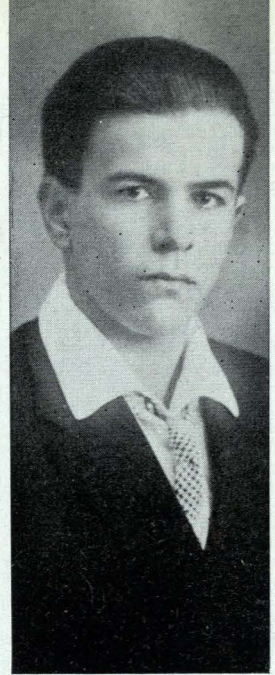
Michel S. NASSER





THIS AND THE FOLLOWING FOUR PAGES ARE DEDICATED TO THOSE PROFESSORS WHOSE UNTIRING EFFORTS HAVE HELPED HIGHER THE STANDARD OF THIS ENGINEERING SCHOOL FOR THE LAST 10 FULL YEARS. EACH ONE RELATES A PERSONAL EXPERIENCE THAT HAPPENED TO HIM YEARS AGO.





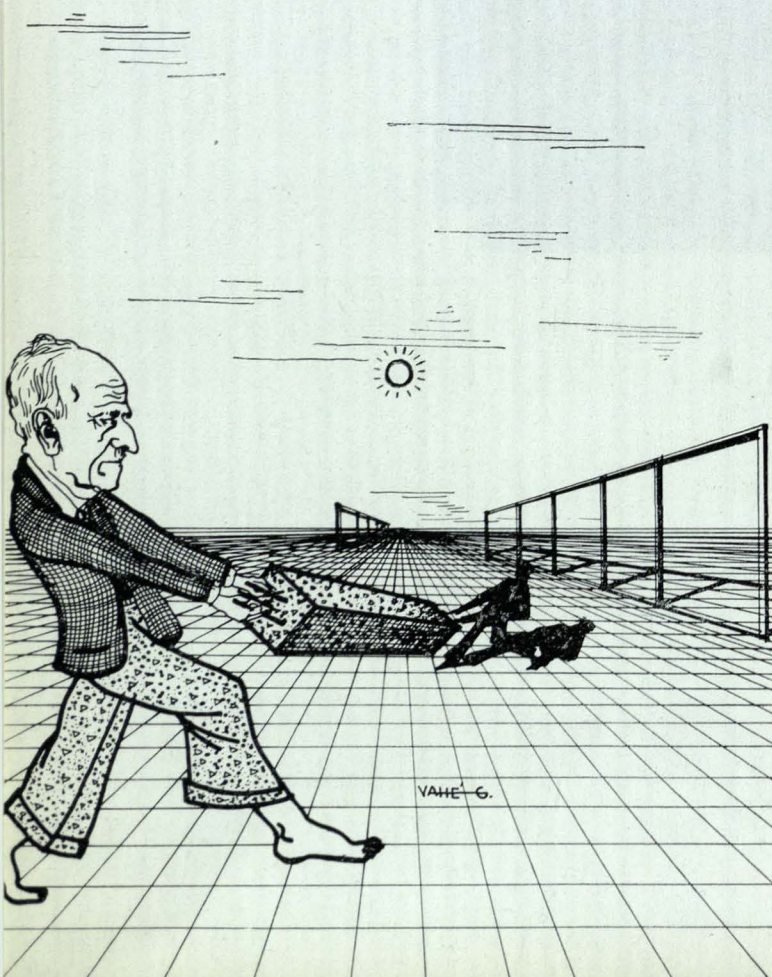
I remember an instance, in the early 1930s, when I was a member of the Engineering Department of a well-known Aircraft Company. The designers were faced with the problem of developing a new type, high speed, single seat, military plane. It became evident in the calculations that in order to attain the speed required, and to carry the payload specified, the established ratio of wing surface to fuselage cross-section would predict that the plane could not fly in an acceptable manner. There were many arguments as to why the suggested profile and arrangement could not be accepted. However, it also became obvious that unless such a profile and arrangement could be used, the flight speed, and other characteristics specified, could not be met. There were two designers who firmly believed that under the flight conditions that would prevail, the suggested profile and arrangement would be eminently successful. The debate waxed hot, and on some occasions, emotional.

One of these two pioneer designers sat just in front of me. One day, we were off eating our lunch, which we usually did at tables because we had only thirty minutes, when a very large bee flew in the window and landed on my table. Without thinking I inverted a glass over it, simply as a defensive measure. As we looked at the bee we began to compare its characteristics with the characteristics of the proposed design. — It had a tremendous body, or fuselage cross section, very small wing area, and other characteristics which would, by all established criteria, indicate that it could not fly. — The designer developed quite a brainstorm from these observations. He promptly asphyxiated the bee and proceeded with his micrometers to make very accurate measurements. These he entered at the scale of one to one thousand, on a standard design proposal form, and sent it to the Chief Engineer office as a proposal, without indicating that the dimensions and characteristics had been taken from the bee. There was an immediate reaction of the negative sort, and he was asked to go in and see the Project Engineer and Chief Engineer to explain the nonsense. After listening to all the reasons why anything which had the dimensions and characteristics mentioned on the form could not possibly fly, the designer commented that since the bee had never been educated in aerodynamics, it did not know that it could not possibly fly and in its ignorance it just went ahead and flew.

The effect that this bit of witticism had was sufficient to shock all those who had participated in the debate into the realization that if you are going to accomplish something new it naturally follows that you have to develop new criteria. Once this truth was re-established in everyone's mind, rapid progress was made in the development of an airplane which actually exceeded the requirements.

Obviously there was really no basis of comparing the flight of a bee, where the wings provide the propulsion and lifting capacity, with the flight of an airplane, where the engine provides the propulsion and the wings the planing and lifting capacity. However, the ideas concerning the limits of ratio between fuselage cross-section and wing area were comparable, and it was this realization that convinced the designer that he was justified in his rather unique method of calling it to the attention of his seniors.

C. KEN WEIDNER



In the past many years ago, before the School of Engineering became an independent entity, a few engineering courses were given in the Faculty of Arts and Sciences. At the beginning no Labs. were there except one Mechanics Lab. and there were only few old transits, chains and one level for Surveying. Drawing was the "footing" of the instruction program and strength of Materials its "crown".

It was the time when the first automobile cars were starting to cross the Syrian Desert — an achievement which was then regarded almost as significant as Christopher Columbus' discovery of America.

So unaccustomed were people and animals to this new kind of transport that camels, for example, turned their backs to cars they encountered seemingly in disgust and in such a way which made an old man from Damascus state, with persuasion, that he had seen "with his own eyes" a camel which spat on the car, being unable to withhold his repugnance.

Then also it happened that a student at the start of his engineering studies, being asked "how is an automobile moved"? answered: "by steam", adding: "yes, one can see very often the steam going out of it specially when it is going up". Also another student, trying at one time to unscrew a nut by turning it in the wrong direction, admitted that he had never before seen how this is done.

And now, what wonderful facilities exist all around — Laboratories, Workshops, Machinery! A real exceptional chance to all those, who do not want to miss it.

IVAN RUBINSKY

The quarters of the School of Engineering are now reasonably adequate and in the minds of some, quite luxurious but it was not always so. Things were quite different in the autumn of 1951 when we began with three class rooms and a drafting room in Bliss and one room in Middle Fisk which served as offices, board room, lounge, library, store room and whatever else was needed. Though it never freezes in Beirut an unheated stone building is very cold and uncomfortable at 50 F. or even at 60. These quarters were unheated and the contrast between them and my home in the old Faculty Apartment, one of the first centrally heated buildings in Beirut, served only to accentuate the lack of heat in the school buildings. I often lectured to my 7:30 class clothed in heavy underwear, overcoat, muffler and fur lined gloves. The same equipment was worn in the "office". At times it was so cold that I wondered how the students could hold their pencils to write their quizzes.

Our huge "office" in Fisk with its high ceilings was "heated" by two small kerosene stoves. Late one afternoon as I sat alone absorbed in my work, I gradually became aware of a peculiar odor. Since we were next door to a dormitory section where many things happened — even cooking, I did not pay much attention until the odor became stronger and at last overpowering. Suddenly I was made to realize the source. To keep warm I had placed the two stoves so close on either side of me that the overcoat which I was wearing was on fire.

E.S. HOPE



After returning from the U.S.A., the Mufti of Nuseiri (Syria) brought me the case of a poor young woman whose husband recently emigrated to Mississippi (U.S.A.) and died leaving her and her seven children, the oldest being ten years old. The husband was a goat herder. All the estate left was worth (\$ 300), a shack in a small town in the State of Mississippi. Now the family needed the money badly.

I explained to the Mufti that under the law of the State of Mississippi, foreigners are forbidden to transmit real property to non-citizens by inheritance.

The Mufti left my office but returned afterwards with the wife and seven kids who camped outside in the corridor and begged for assistance.

I am very grateful to say that as a result of the efforts made, a bill was introduced into the legislation of Mississippi and the law was passed whereby citizens of Syria and Lebanon may inherit and hold land as the citizens of Mississippi.

A. KHAIRALLAH



While I was studying in the United States I was given a project which involved the design of Hotel Kitchens. In order to get first hand information on the subject, I contacted the managers of three first class modern Hotels and requested permission to enter the Kitchens of their respective Hotels. The permission was granted so I started my tour of Kitchens.

The first two kitchens were fairly interesting. They were not very big and I was able to gather all the information I needed, but the third Kitchen was different.

It was quite a large one with a lot of more complex machinery and counters on which the food was prepared for big banquets and ready for waiters to take away. I wanted to watch the operation very closely so I walked way down the Kitchen and stood next to one of those counters. It happened at that moment that the head waiter came along, and he, not knowing who I was, became very angry and picked up a tray full of food pushed it in my hands, and then shouted, "well don't just stand there — Hurry up and serve the customers..."

R. S. GHOSN

During the last war, when the British forces in Lebanon were giving out contracts, I wished to take one.

The first one I came across was an underground dugout in one of the hills of Dikwaneh. Two horizontal tunnels to be cut, leading to a large room (about 240 ms), right in the middle of the hill.

To my bad luck, the hill was sandy. When we reached the end of the side tunnels and started to excavate for the large room, chunks of sand started to fall down on the workers.

Once, three workers got trapped in sand almost up to their shoulders, we had to dig out and pull them out with rods and posts.

At this point, while we were discouraged, lost our sleep and were trying to think out ways and means to complete the miserable job, the sergeant in charge entered the tunnel and started a big yarn saying that we were cowards, that there was no danger and he gave us instructions to follow. He claimed to have completed successfully many tunnels, the last one being a 14 inches one, executed in a few months.

After a few days, he entered the tunnel and while talking again a chunk over 4 mc fell down right in front of him. He jumped out like a rabbit and got so scared, he never showed himself in the tunnel until it was completed.

We devised a system by cutting small sections, leaving portions of the sand to act like supports at certain points, built the walls around and poured the reinforced concrete slab in sections. I had to hunt a very small man who could crawl between the forms and soffit of the tunnel and tie the bars and pour the concrete.

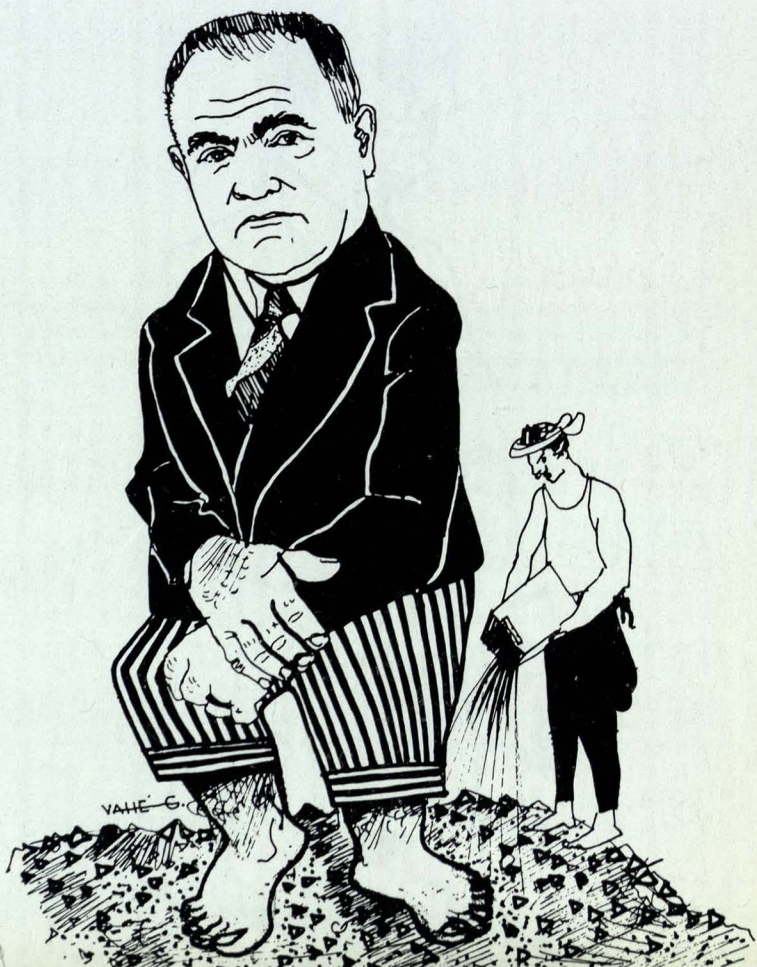
It pays to have good and dependable workers. Mouallim Boulos was in charge of the concrete work and for days did not sleep and Ilias from Mansourieh, got almost the whole male population of the village to work in 3-8 hours shift everyday to complete the work in one month.

During that month I lost weight and jumped up every time the bell rang or somebody came to see me at the School.

Later on we discovered that other contractors had asked 2-4 months for completion. We had the contract because we were crazy enough to put it down for one month.

When you are young everything seems to be easy and possible Experience teaches you to be cautious.

K. K. YERAMIAN





About four years ago while I was teaching Engineering Drawing, I noticed that one of the students had extremely small lettering. At the beginning I did not tell him anything, but I wrote on his corrected drawings, "use bigger lettering".

But as time passed his lettering did not grow up, so I went to see him personally while he was drawing. There I pointed out to him that his lettering was small. To my surprise he insisted that his lettering was big. So then I tried to persuade him about the magnitude of his letters and I thought that I succeeded. But when the drawings were given in at the end of the week, his letters were as small as ever.

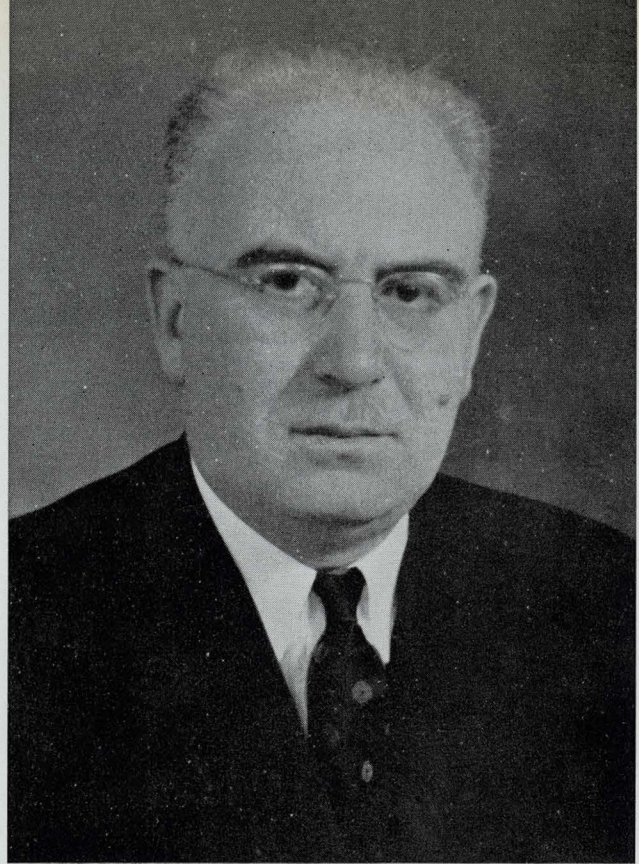
A week later I visited the oculist and having bought new eye glasses (which had lenses of considerable size) I went to the student's desk in order to try once again to have him enlarge his lettering. But when I looked at his drawings, I saw that the letters were much bigger than usual. I was ready to congratulate him on his successful efforts. It happened at that moment that I took off my glasses and suddenly the letters shrunk to the same size that they were one week ago.

At that moment the mystery seemed solved as far as his lettering was concerned. But there was something strange because to my eyes the letters of the other students appeared to be of more or less regular size. I asked him if he had any trouble with his eyes. He told me that he was wearing contact eye glasses. This cleared the matter up because contact glasses make things appear bigger. So he wrote his letters smaller and my eyes made things appear small so his letters appeared to me in microscopic size.





Dr. STEPHEN B.L. PENROSE 1948-1954

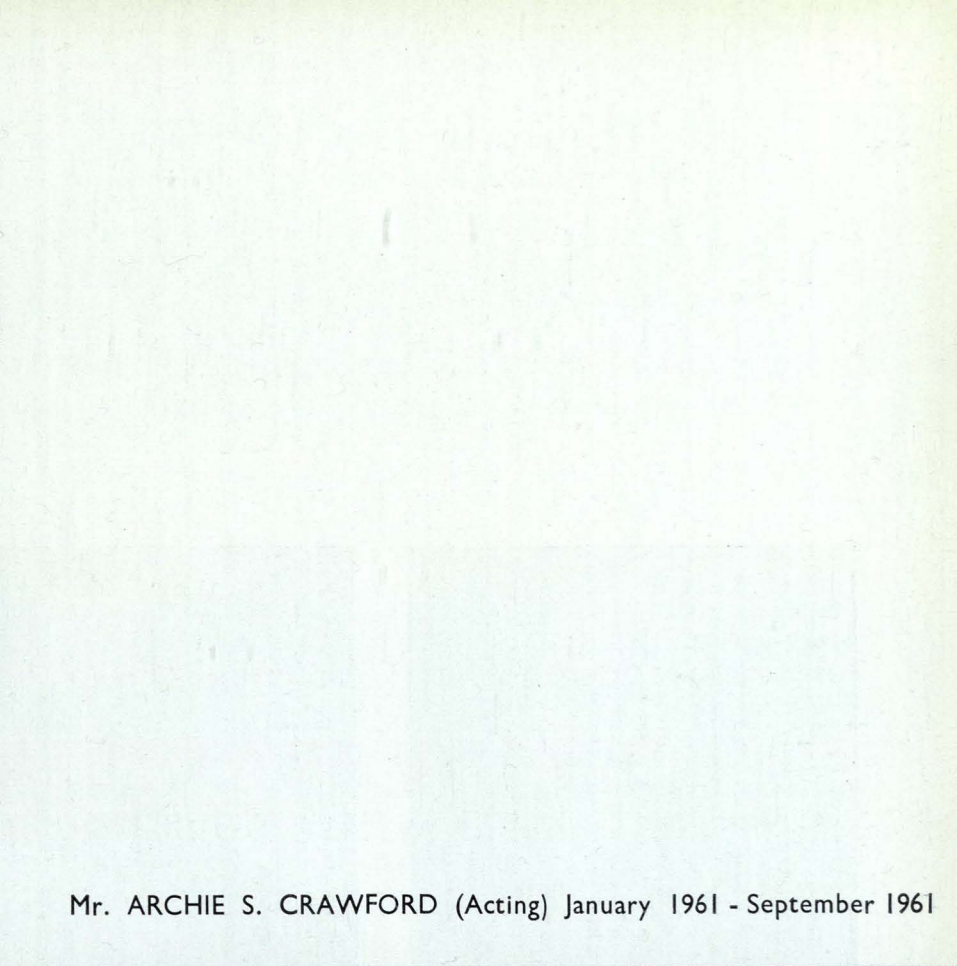


Dr. C.K. ZURAYK (Acting) Dec. 1954 - June 1957

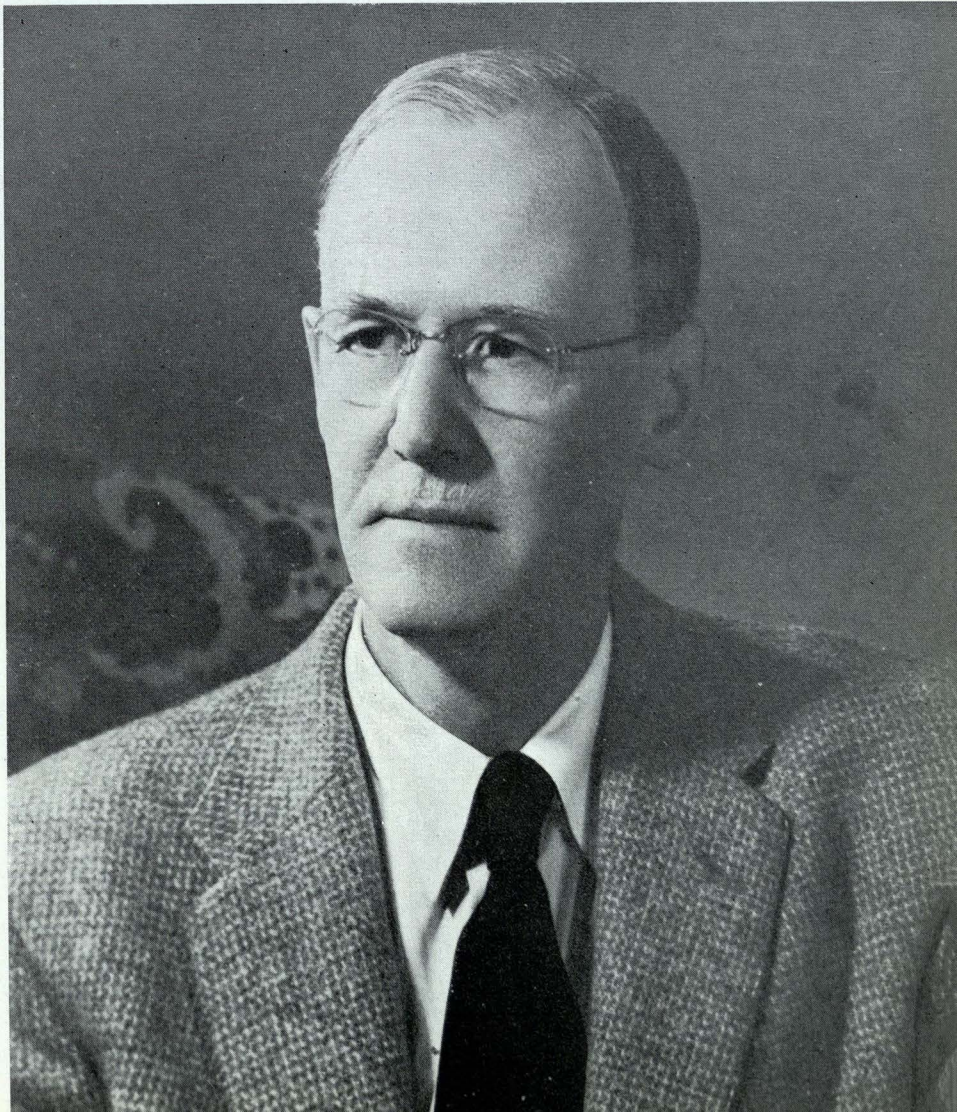
**PRESIDENTS AND
ACTING PRESIDENTS**



Dr. J. PAUL LEONARD June 1957 - January 1961

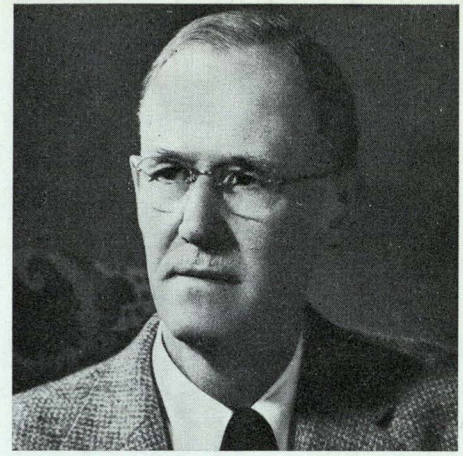


Mr. ARCHIE S. CRAWFORD (Acting) January 1961 - September 1961



1951

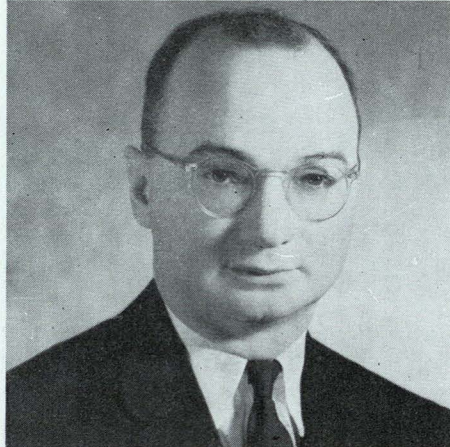
1961



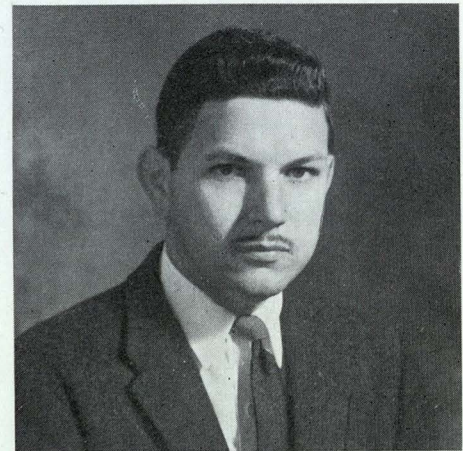
ARCHIE S. CRAWFORD
Vice-President, Special University Services



STETSON S. HOLMES
Business Manager



WILLIAM RICE
Comptroller



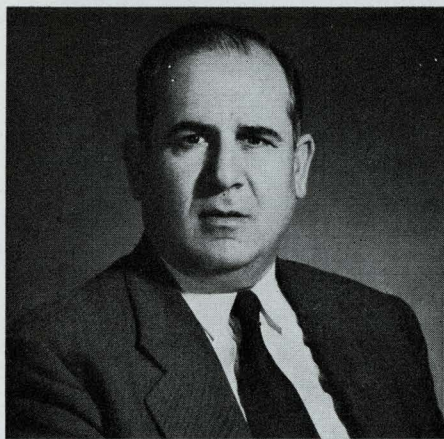
GRAHAM LEONARD
Dir. A & S Student Activities & Men's Dorms



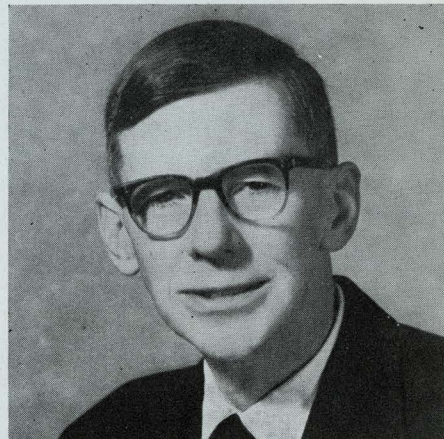
Dr. DIMITRI BARAMKI
Curator, A.U.B. Museum



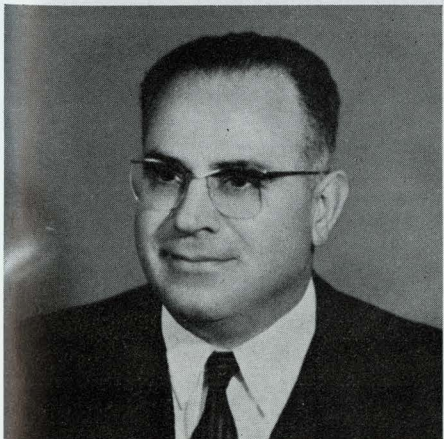
Dr. FUAD SARRUF
Vice-President, University Relations



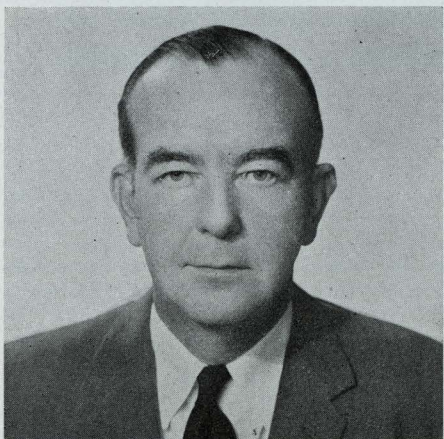
FARID A. FULAIHAN
Registrar



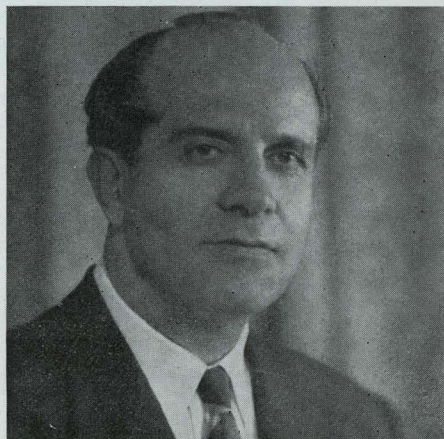
FRANCIS KENT
Librarian



AZIZ K. NAHHAS
Superintendent of Building and Grounds



PAUL W. ORVIS
Personnel Director



ABDUL-SATTAR TRABULSI
Athletic Director

*The power and glory of all creatures and all matter consists in their obedience, not in their freedom.
The sun has no liberty — a dead leaf has much.*

— RUSKIN

C. KEN WEIDNER

Dean of the Faculty of Engineering. — Registered Professional Engineer, (Civil, Mechanical & Electrical). Professional Education by tutoring. Entered the Profession in 1925 on general, heavy and railroad structures as Construction Foreman, then as Estimator and Superintendent, then as Construction Engineer in charge. 1931 joined the Engineering Department of Boeing Aircraft Company as Designer and liaison between design and manufacture. 1934 joined the Faculty of Whitman College as Instructor in Physics and Superintendent of Buildings and Grounds. 1936 joined the staff of the University of Washington as Assistant Superintendent of Buildings and Grounds in charge of a continuous design and construction program of buildings and utilities. Ordered to active duty as Lieutenant (Civil Engineers Corps) U.S. Navy in May 1941. Served in American Theater and Asiatic Pacific Theater, promoted through Lt. Commander and Commander to Captain, decorated twice with the Bronze Star. Released to inactive duty December 1946. Gold Medal for Distinguished Service, Society of American Military Engineers, 1946. Consulting Engineer and Professor, University of Oregon until November 1947 when appointed Chief Engineer in charge of design and construction of the Argonne National Nuclear Research Laboratory, University of Chicago. Upon completion of this assignment October 1951 appointed Dean, School of Engineering, AUB. Received order of the Cedar, Officer Rank, 1956. Received the George Washington Honor Medal Award from the Freedoms Foundation at Valley Forge, 1960. Fellow: American Society of Civil Engineers. Member: American Society of Mechanical Engineers, American Institute of Electrical Engineers, National Society of Professional Engineers, American Society of Heating and Air Conditioning Engineers, American Society for Engineering Education. Senior Member: American Society of Tool Engineers. Military Engineer Life Member and past Director: Society of American Military Engineers. Naval Member: American Society of Naval Engineers. Fellow: American Association for the Advancement of Science. Many other Professional and Scientific Societies.





Prof. Emeritus, Prof. of Engineering Research. — Had technical training in Mechanical, Civil and Aeronautical Engineering. 1915 Aeronautical Engineer. Technical manager of the Aeroplane Workshops. Research Assoc. of the Aerodynamic Lab. Member of the Board of Directors of the Central Aerohydrodynamic Institute, of Moscow. One year (1921) with the R.A.F. in Egypt. 1924-25 with Cadastral Works for Syria and Lebanon. Joined A.U.B. Faculty in 1926. 1938-39 guest Professor at M.I.T., doing research on Supersonic Wind Tunnels, suggesting to use heavy gases instead of air. (Such a tunnel was built later in U.S.A.) 1951 Research Associate at Princeton University investigating the feasibility of the use of fiber glass materials, suggested by him for Prestressed Concrete. (Recently they started to produce Concrete pipes with the use of fiber glass in England.) Devised, designed and supervised: Construction of irrigation pumps, wind mills, extraction and dehydration plants, measuring and calculating devices. Various scientific publications in American, British, French and Spanish Magazines. Devised special equipment for Prestressing Concrete and developed new methods of prestress. Last year participated in improvement of the methods of planning water and power distribution nettings, published last summer in the Magazine "Engineering". Recently devised Tension Strength Testing machine for brittle materials and for soils.

IVAN A. RUBINSKY

azines. Devised special equipment for Prestressing Concrete and developed new methods of prestress. Last year participated in improvement of the methods of planning water and power distribution nettings, published last summer in the Magazine "Engineering". Recently devised Tension Strength Testing machine for brittle materials and for soils.

Professor of Civil Engineering. Registered Professional Engineer. B.A. 1923, Morehouse College, B.S. in Civil Engineering 1926, M.I.T., M.S. in Civil Engineering 1927, M.I.T., Ed.D. 1942 Columbia University. Graduate Work in Sanitary Engineering at M.I.T. as "Guest of the Institute" 1956-57. Kappa Delta Pi and Alpha Phi Alpha. Summer 1926 Hydro-Electric Investigation for the Grenfell Mission, Newfoundland. 1927-1928 Junior Assistant highway Engineer, New York State. 1928-1931 Hydraulic Engineer, Emprezas Electricas Brasileiras, Rio de Janeiro, Brazil. 1931-1944 Superintendent of Buildings and Grounds, Howard University. 1944-1946, U.S. Navy, Public Works Officer, Lieutenant, Civil Engineer Corps, Pearl Harbor, T.H. 1946, U.S. Navy, Lieutenant Commander, C.E.C., Director of Instruction, Navy Pacific University. 1947-1951 until joining A.U.B. faculty, Professor of Civil Engineering, Howard University Wrote technical papers on the "New Power Plant and Distribution System of Howard University", "How Howard University is Training Power Plant Engineers", "Labor Policies of Colleges and Universities" and "Engineering Education at the American University of Beirut". Member: National Technical Association, American Congress on Surveying and Mapping, American Society for Engineering Education, Fellow American Society of Civil Engineers, Diplomate of the American Academy of Sanitary Engineers.



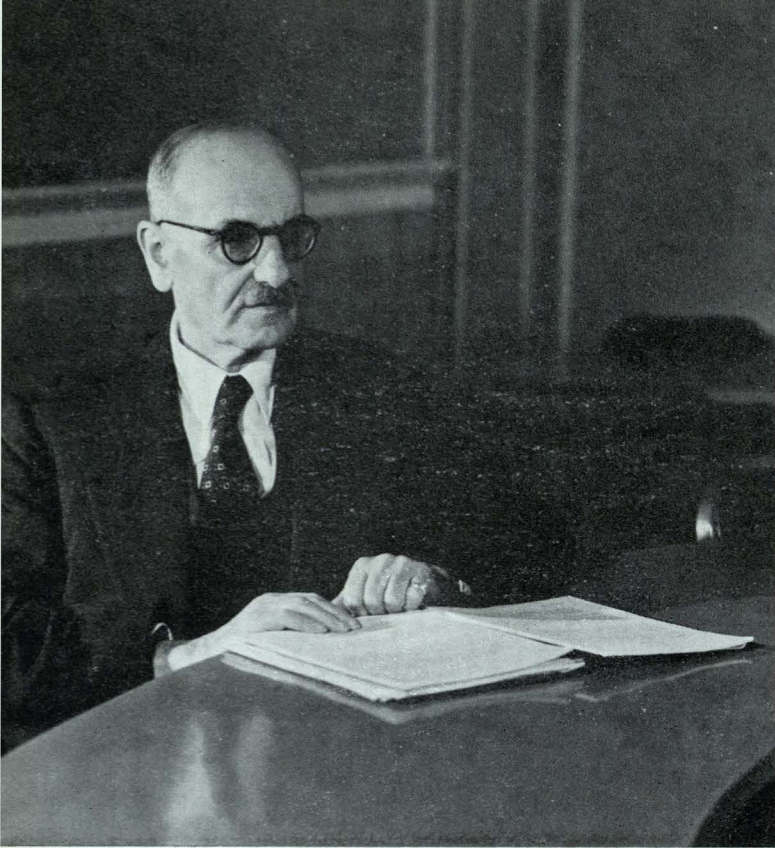
EDWARD S. HOPE



Director of the Experimental and Service Laboratories. — Chartered Electrical Engineer, B.Sc. in Natural Philosophy 1932. M.A. 1934, **ROBERT W. SLOANE** Ph.D. 1936, Glasgow University, M.I.E.E.; Towards his Ph.D. did experimental study on ignition of gaseous mixtures by the discharge of electricity between electrodes of low conductivity and experimental study of the discharge between points in hydrogen, 1932-1935. 1935-1944, Member of the Scientific staff for the research Laboratories of the General Electric Company Ltd., Wembley, England. Patented an E type wavemeter for radar wavelengths. 1939-1944 Lecturer on the physics of radio to members of the Scientific Staff of G.E.C. 1944-1952 British Council Officer, seconded to A.U.B. as chairman of Physics Department. Published several technical articles on the theory of thermionic tubes and an industrial test apparatus for such tubes. Deputy Representative in the Near East of the Council of Institution of Electrical Engineers.

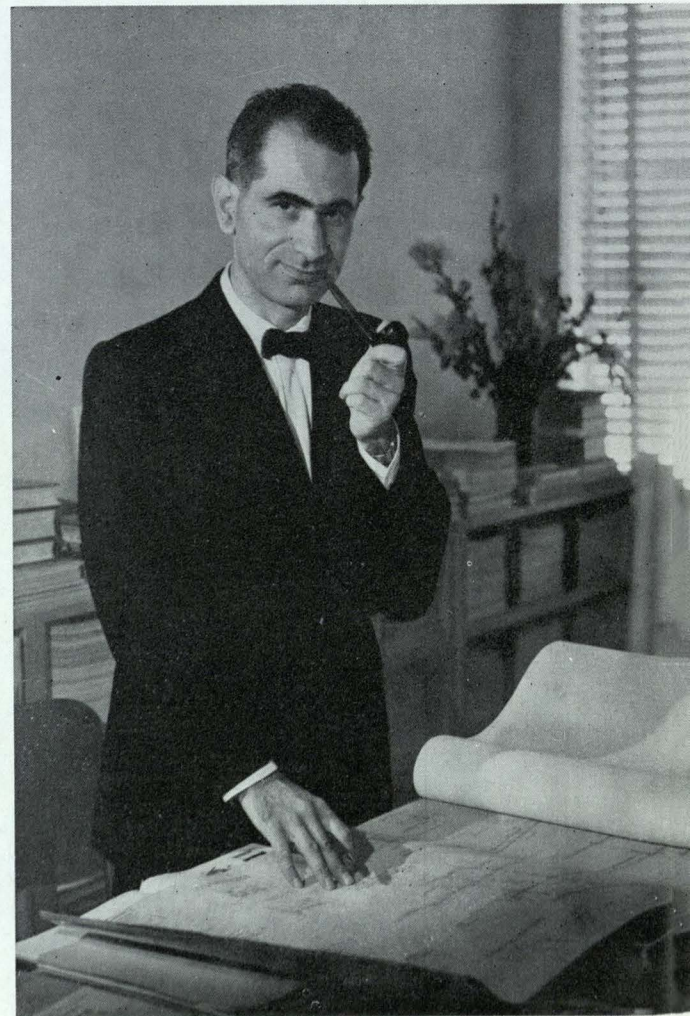
Professor of Electrical Engineering. — B.Sc. 1936, Ph.D. 1943, University of Leeds, A.M.I.E.E. 1928-1932 Staff Apprenticeship, English Electric Co. Ltd. Bradford. 1936-1938, Electrical Engineering research on behalf of British Government Department of Scientific and Industrial Research. Part time Lecturer **T. G. BRIDGWOOD** (on leave) in Mechanics and Theory of Machines, College of Technology, Leeds. 1939-1941, section leader Research Engineer in charge of high voltage research and development, General Electric Co., Ltd., Wilton, Birmingham. 1941-1955 Lecturer in Electrical Engineering, University of Leeds, and consultant to local firms. Also Evening Lecturer in Electrical Engineering Courses at Walsall Technical College, Staffordshire, 1939-1951, and at the College of Technology, Leeds, 1944-1947. Examiner for Associate Membership Examination, Institution of Civil Engineers, 1945-1949. Honorary Secretary, North Midland Centre, Institution of Electrical Engineers, 1950-1955. Did research into unstable behaviour of electrical transformers associated with transmission lines. Published "Instability in Iron-Cored Circuits" in Proc. Leeds Phil. Soc.



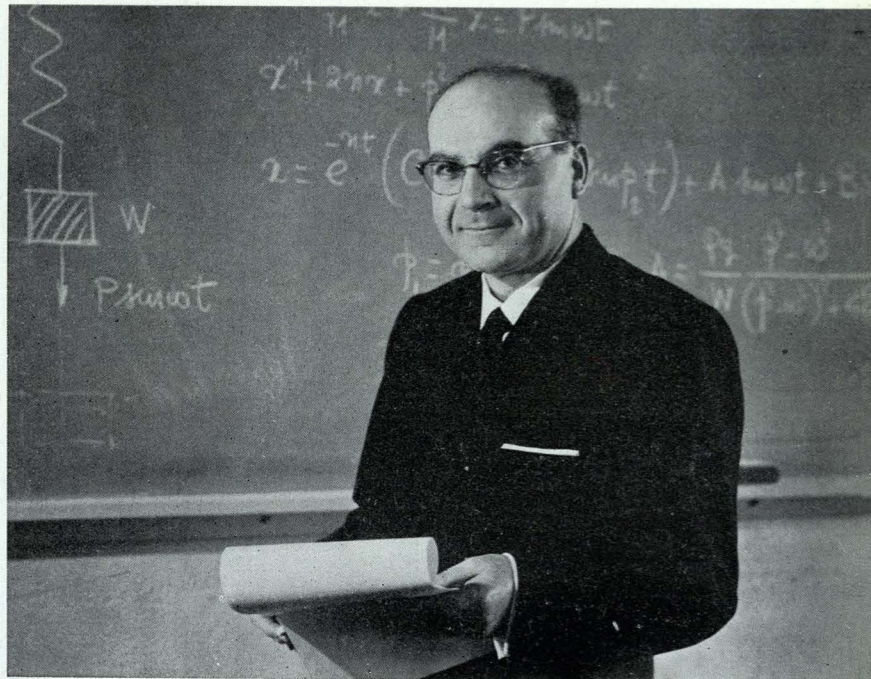


Lecturer in Engineering Law, with the rank of Professor. — Counselor at Law. — M.A. 1910, A.U.B.. Licencié en Droit 1916, Dijon University, France, L.L.B. 1917, Columbia University, Moslem Law under **IBRAHIM A. KHAIRALLAH** a sheikh of Al-Azhar in 1915 and 1916. Taught at A.U.B. 1904-1909, 1934 to present. Admitted to the Bar in New York in 1931 and in Beirut in 1933. Worked as counselor at Law since 1915. Helped draft Domestic Relations and Personal Status Law for Protestant and other Christian communities in Lebanon. Author of "Law of Inheritance in the Republics of Syria and Lebanon," being the first volume of a research work undertaken at the request of the Rockefeller Foundation and the American University of Beirut into the Law of Personal Status in the Near East. Started lecturing at A.U.B. in 1944, former President, Alumni Association A.U.B. Former President Automobile Importers Association. Former President, Lebanese Road Federation Associated with International Road Federation. Awarded Order of Merit by Lebanese Government, awarded Order of the Cedar Rank Officer, 1954.

Professor of Architecture. — B.A. 1941 (A.U.B.), B.Sc. in C.E. with Distinction 1945 (A.U.B.), S.M. in C.E. 1946, M.I.T., M.Arch. 1950, M.I.T. — Tau Beta Pi. — 1941 to 1944 Designer, Assistant Field Engineer, Architectural Engineering Offices (Lebanon and Egypt), 1946-1947 Structural Engineer Designer for Cram & Ferguson", Architects, Boston, U.S.A. 1947-1950 while preparing for degree in Architecture, part time teacher at M.I.T. (Graphics Department); also worked part-time in the office of "Anderson & Bechwith", Architects Prof. (M.I.T.) and on visual design exhibits under Prof. Gyorgy Kepes (M.I.T.). 1950-1951, until joining A.U.B. Faculty, Architectural designer for "Shepley, Bulfinch, Richardson and Abbot", Architects, Boston, U.S.A. worked on the designing team of two buildings for Harvard University and Wellesley College; also critic in charge of Fourth **RAYMOND S. GHOSN** Year Architectural Design, Boston Architectural Center. At A.U.B. contributed the Architectural Design of the Agricultural School Building, the University Farm Buildings, The new Faculty Apartments Building and the Recreation Building (Unit C) of the Women's Residences. Architect Consultant. Member ACI, Member ASCE Associate MSAA. Member Lebanese Order of Architects and Engineers.



Professor of Civil Engineering. — Diplôme d'Ingénieur Civil, 1938, E.S.I.B. Ingénieur-Docteur, 1948, Sorbonne (Paris University). 1938-1940 Field Engineer and designer, Société d'Études et Travaux (Lebanon) for various public and private buildings. 1941-1945 Municipal Engineer, Tripoli. 1946-1948 Engineer, "Société d'Études Considérée", Paris, in charge of design of Bridges, Reservoirs, Generating Stations, Industrial Plants, Hangars, etc. Since 1949 Private Practice, Consulting Engineer, Expert at the Courts; Reinforced Concrete design for various Public and Private Bldgs. such as the Electric Generating Plants (Joz, El-Bared) Surge tank of Mar-Licha Electric Plant, the Alliance School, the Bechtel Engineering Bldgs. A.U.B., the Lazariah Bldg., Reservoirs for Public Works Ministry. 1950-1953 Chief of Design and Planning Section, Municipality of Beirut. R.C. of Ministry Bldg. of Saudi Arabia; Casino and Theater of Lebanon at Maameltein; Foundations of Steel Mills Sugar Factories at the Bekaa; Municipal Stadium of Tripoli Biology Bldg. (A.U.B.); Expert of the State Bank of "Crédit Agricole, Industriel et Foncier". Member Rotary Club, Beirut. Member Lebanese Order of Architects and Engineers. Member Ex-National Board of Reconstruction of Lebanon. Member of the Directory Committee of Reconstruction, Lebanon.



Professor of Architectural Engineering. — B.A. 1927 (A.U.B.), B.Sc. in Civil Engineering 1930, Lafayette College, U.S.A., 1927-1928 taught Mathematics and Physics in KHOSROV K. YERAMIAN Universal College, Aley, 1930-1931 Assistant Engineer on a reinforced concrete arch bridge and on a coling station in Penna, U.S.A. Since then has been teaching in A.U.B. while carrying on his practice in Architecture, Engineering and Contracting in Lebanon and Syria. Over 380 completed projects to his credit covering the diverse fields of residential, industrial, educational, religious, and public buildings, examples of which are the B.C.W., Gerard Institute of Sidon, School of Nabatieh, Cathedral and Seminaries at Antelias, A.U.B. Library, Physics Building and Engineering Shops, Sanatorium in Azounieh. Worked as Engineer and contractor on bridges, tunnels, buildings, and roads with the Public Works of the Lebanese Government. Member Lebanese Order of Architects and Engineers, Member Aley Municipal Council.



Professor of Civil Engineering (Civil Works). — Registered Professional Engineer in Missouri and Ohio. Illinois Northern State Teachers College, one year. B.S.M.E. 1929, Tri State College. 1929-1936, Construction Superintendent and Project Engineer on electric developments in Michigan, Ohio and Pennsylvania. Secretary Treasurer, Missouri Board of Registration for Architects and Engineers for five years. 1936-1942, taught engineering drawing, hydraulics and structural design, Finley Engineering College, one year; Field Engineer, Portland Cement Association. 1942-1946, Active duty U.S. Navy, Civil Engineers Corps, Lieutenant, Lt. Commander and Commander. Served in the American Theater and Asiatic Pacific Theater. Remained active in the Naval Reserve serving over five years as Commanding Officer U.S. N.R.C.B. 4-20, Youngstown, Ohio and three years as P.W.O. U.S. Naval Training Center, Youngstown, Ohio 1940-1951. Steam Power Plant development, general superintendent and project engineer, Ohio Edison Co., 1951-1954. Chief Engineer, Smith Construction Co., Youngstown, Ohio, building airports, highways, streets shopping centers and bridges. 1954-1959, until joining A.U.B. Faculty of Engineering, private practice as a Consulting Engineer on city planning, property evaluation appraisals and steel mill layouts. Naval Member American Society of Naval Engineers; Member National Society of Professional Engineers. Canfield Ohio Township Trustee. Member Mahoning County, Ohio, Building Code Committee and Secretary of Board of Appeals.

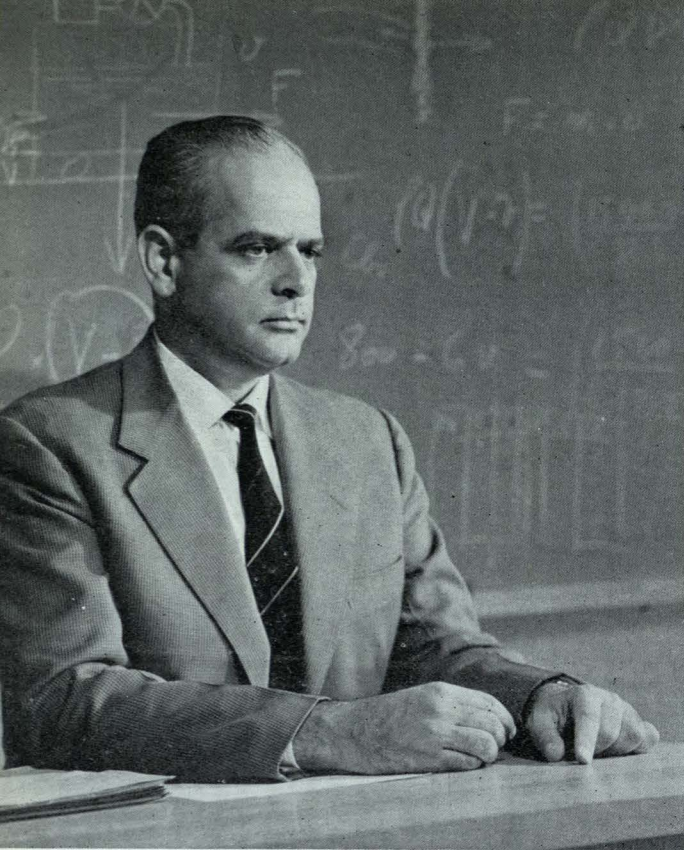
Professor of Civil Engineering. — B.A. 1927 (A.U.B.) B.S. in Civil Engineering 1931, University of Michigan, M.E. (Transportation Engineering) 1958, University of California,

NICOLAS E. MANASSEH Berkeley, Cal., Licensed Surveyor, Government of Palestine. 1927-1932 Surveyor-Engineer with the University of Michigan and the University of Pennsylvania on Archeological Expeditions in Iraq and Palestine. 1933-1942 Civil Engineer with the Iraq Petroleum Company in Palestine, Lebanon, Syria and Iraq. Since 1944 has been teaching Engineering at A.U.B. and acting as Consultant to a number of firms. Was responsible for the Structural design of a number of A.U.B. buildings, including the Agriculture School and the University Farm Project. from 1956 to 1958 the University loaned him to the Lebanese Government to act as Director General of the National Reconstruction Board. Fellow ASCE Lebanese Order of Architects and Engineers. During 1959 worked on a Government Committee that redrafted the New Lebanese Traffic Code and planned the reorganization of the Ministry of Public Works.

Professor of Mechanical-Electrical Engineering (Power). — B.S. and M.S. in Electrical Engineering 1935, Massachusetts Institute of Technology. — Tau Beta Pi,

HENRY B. BACKENSTOSS Sigma Xi. — Professional engineering in the field of power, both public utility and industrial, 1936-1959. Valuation, design, economic studies, supervision of construction, engineering administration. Member System Engineering Committee, American Institute of Electrical Engineers, 1957-1960; Member, Economics Committee, Atomic Power Development Associates, for nuclear power project in Michigan, 1956-1959. Registered Professional Engineer, Massachusetts, Connecticut.





Associate Professor of Civil Engineering,
— B.A. 1941 (A.U.B.), B.Sc. in C.E. 1945
(A.U.B.), D.I.C., Ph.D. (Hydraulics) 1950,
City and Guilds, Imperial College of Science
and Technology, London University.
member American Society of Civil Engineers;
Member Lebanese Order of Engineers and Architects;
Senior Partner
KHALIL M. MALOUF ACE Consultants. Prior
to joining A.U.B. Faculty of Engineering,
Instructor at A.U.B. and Acting Assistant
Oil Movement Controller, I.P.C. Tripoli.

Associate Professor of Engineering Sciences. — Engineer, Antiquity Dept. Republic of Lebanon. B.A. 1931 (A.U.B.) B.Sc. in Civil Engineering 1946 (A.U.B.). Working with **HAROUTUNE Y. KALAYAN**

Antiquity Department since 1931, except 1938-42 when taught in Nicosia, Cyprus. Has collaborated for the consolidation and restoration works of "Crac des Chevaliers", Sahyoun, of monuments in Tartous and Lattaquieh. Since 1945, has been responsible for the study and restoration of ancient monuments in Lebanon, as Baalbeck, Byblos, Niha, Kala'at Fakra, Mashnaqua, Sidon, Beaufort, etc. Has applied the method of Post Tensioning in restoration works of Slabs and Columns. Called on by the Municipalities of Beirut and Baalbeck to support and save buildings erected on weak foundations. Has designed and constructed private apartment houses. Consultant to the Jordanian Antiquity department for restoration of Ancient monuments. Member of Lebanese order of Architects and Engineers.



Associate Professor in Civil Engineering. — B.A. Engineering 1947 (A.U.B.), M.S.C.E. 1949 University of Texas, (Austin). 1949 joined Engineering Division of Tapline, Beirut, worked on various assignments including the survey of the RAJA. A. ILIYA pipeline right of way and its hydrostatic testing, soundings for the submarine loading lines, Zahrani Terminal, and oil dispatching. From 1952 until joining the Faculty of Engineering at A.U.B. in 1953, was in charge of the structural group of the Engineering and Construction Division at Tapline, Beirut. Member A.C.I. and the Lebanese Order of Architects and Engineers.



Associate Professor in Architecture. — Baccalauréat 2ème Partie Mathématiques 1943, (A.U.B.), Engineering course (1943-1945), Cairo University, B.A. Architecture 1950 Cambridge University. When at Cambridge, President for one year of the Arts and Architecture Society. Worked one year with Architect Lionel Brett in England on the Harefield New Town. Has been in practice in Lebanon since 1951. Member of the government commission for the erection of the Presidential Palace and the Arts et Métiers School. Member of the government commission for the erection of the National Broadcasting House. Vice President of the Association for the Preservation of Old Buildings and Natural Sites in Lebanon.





Associate Professor of Electrical Engineering. — D.L.C. (Hons.) 1949, Loughborough College. B.Sc. (Hons.) 1950, London University. Ph.D. 1955, Leeds University. 1949 with switchgear manufacturers Ferguson Pailin, Manchester. 1950-1952 **JACK I. HANANIA** with the English Electric Co. on the manufacture, testing and commissioning of electrical machinery and prime movers, also with the British Electricity Authority on power generation, transmission and distribution. 1953-1954 part-time teaching assistant in Electrical Engineering Laboratories, Leeds University. 1954-1955, prior to joining A.U.B. Faculty of Engineering, full-time Assistant Lecturer in Electrical Engineering, Leeds University. Associate Member of the Institution of Electrical Engineers, London. Member of the Lebanese Order of Engineers and Architects.

Associate Professor in Civil Engineering. — B.A. in Civil Engineering 1943, A.U.B. B.Sc. and M.S. in Civil **ANIS A. YARID** Eng. 1947, University of Texas — Member American Society of Civil Engineers, Member American Concrete Institute.





GEORGE ABI-RACHED

Assistant Professor in Mechanical Engineering. — B.Sc. in Mechanical Engineering 1948, ex-Fuad the First University, Egypt. 1948-1949 worked with the ESSO Company in Beirut as Mechanical Engineer for the design of service stations and the calibration of tanks. 1949-1954 in charge of the Mechanical Section at Tapline, Beirut, on projects including Heating, Ventilating, Air Conditioning, Hydraulics, Machine Design. Council member, Lebanese Order of Architects and Engineers (Alternate member in its Disciplinary Committee for 1954, and elected as a secretary of its Industrial & Power Committee 1959, and elected as vice president of its Consultant Engineers office 1960). Worshipful master of George Washington Lodge 1953-54, Associate Member ASHRAE. Chess player, winner of the Syrian Bank Club Cup 1952.



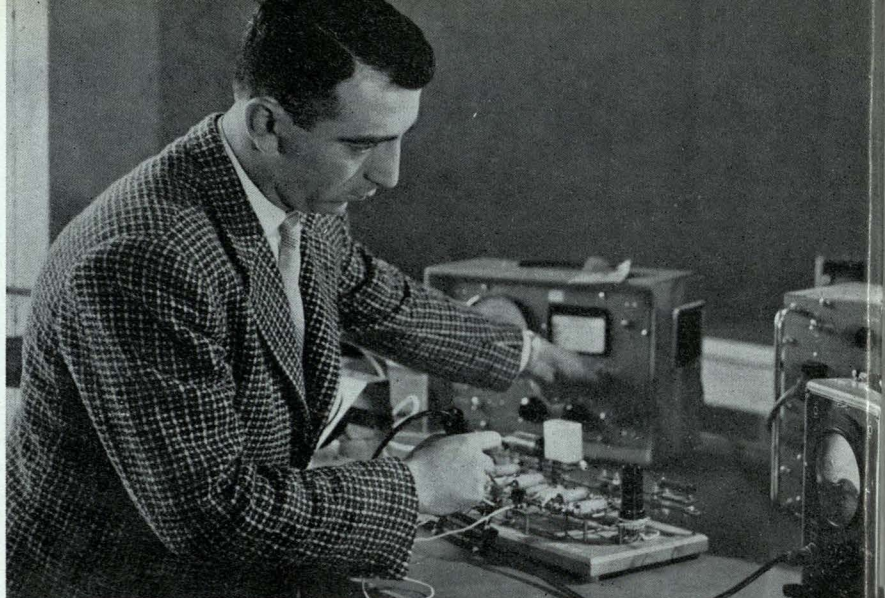
SULAYMAN D. DEEB

Assistant Professor in Mechanical Engineering. — B.A. in Engineering, 1932 (A.U.B.) B.Sc. in Mechanical Engineering 1949, Birmingham University, England. M.Sc. in Thermodynamics and Related Studies, 1960, Birmingham University. A.M.I. Mech. E.; 1949-1950 Trained in Refrigeration with J. & E. Hall, Dartford, and in Diesel Engines with Rustom and Hornsby, Lincoln, England. 1951-1954, worked as Mechanical Engineer with Tapline in Beirut. Member Lebanese Order of Architects and Engineers.

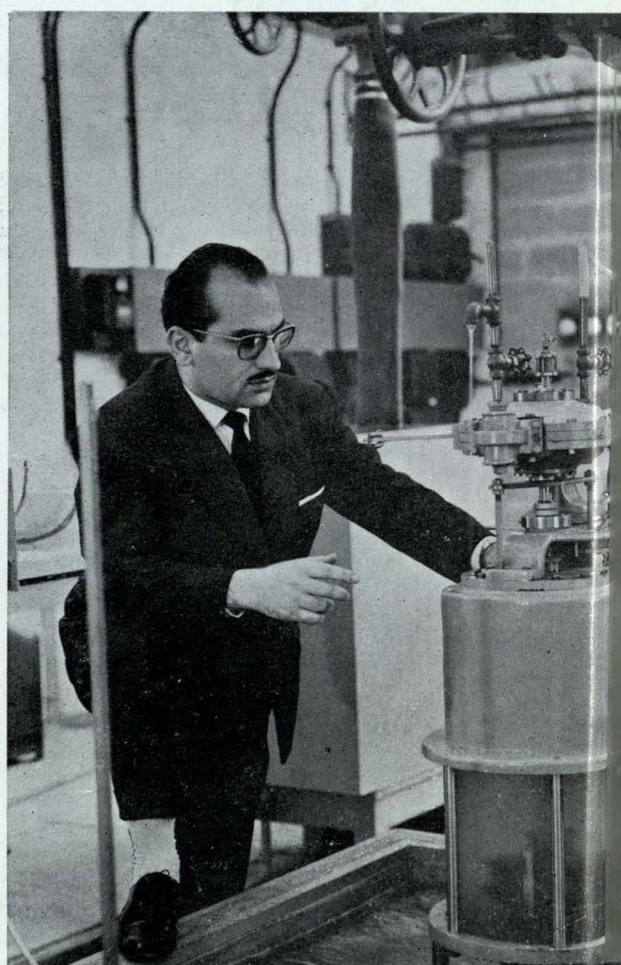
Assistant Professor of Civil Engineering. — B.S.C.E. 1952 and M.S.C.E. 1954 University of Michigan, U.S.A. Worked 2 years with Vogt Ivirs Seaman and Associates, Cincinnati, Ohio, was assigned to the design of bridges, intersections, and turnouts on the Ohio Turnpike. One year with Harry Blake Engineers, Cincinnati, Ohio, worked on the design of bridges on the Pennsylvania Turnpike, and on Calumate Skyway, also helped on the design of buildings for the United States Officers Quarters. With the Arabian Construction and Engineering Company, Kuwait, was in charge of the construction of a housing project in the University Town of Kuwait. With the National Reconstruction Office, was delegated Chief Engineer for the Office of Tripoli undertaking the design of a housing project with its roads, and the diversion of the river bed of Abu Ali River; afterwards chief Construction Engineer in charge of the execution of the plans. Member of the Lebanese Order of Architects and Engineers. Expert at the courts.



Assistant Professor in Electrical Engineering. — B.E.E. 1952, Rensselaer Polytechnic Institute. M.C.Sc. 1953, University of Illinois. 1952-53 half time teaching assistant at the **KANAAN KANO** Electrical Laboratories in the University of Illinois. Associate member of the Institute of Electrical Engineers. Member of Institute of Radio Engineers.

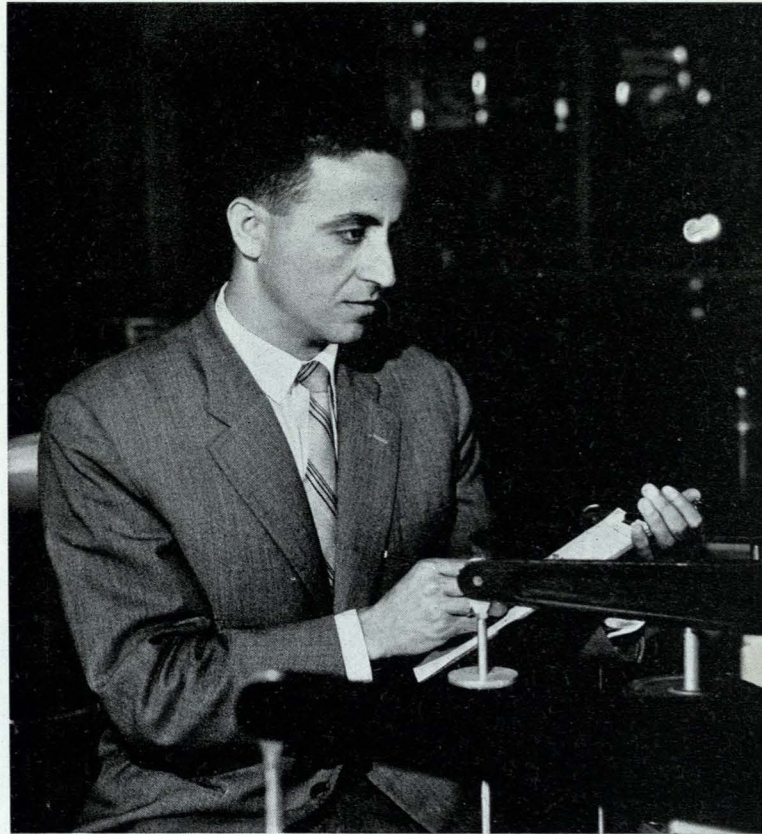


GEORGE CONTAVELLI Assistant Professor in Architecture. — B.Sc. Architecture (with Distinction) 1949 Faculty of Engineering, Alexandria University. 1949-1954 Architectural Engineer with various Contracting firms in Cairo, Egypt, was in charge of the Cairo West Military Airport. — Since 1954 in private architectural practice in Egypt, then in Lebanon, covering design and supervision of residential, and industrial buildings and works. Member Architects Club of Egypt. Cairo. Member Egyptian Engineering Syndicate. Member Lebanese Order of Architects and Engineers.

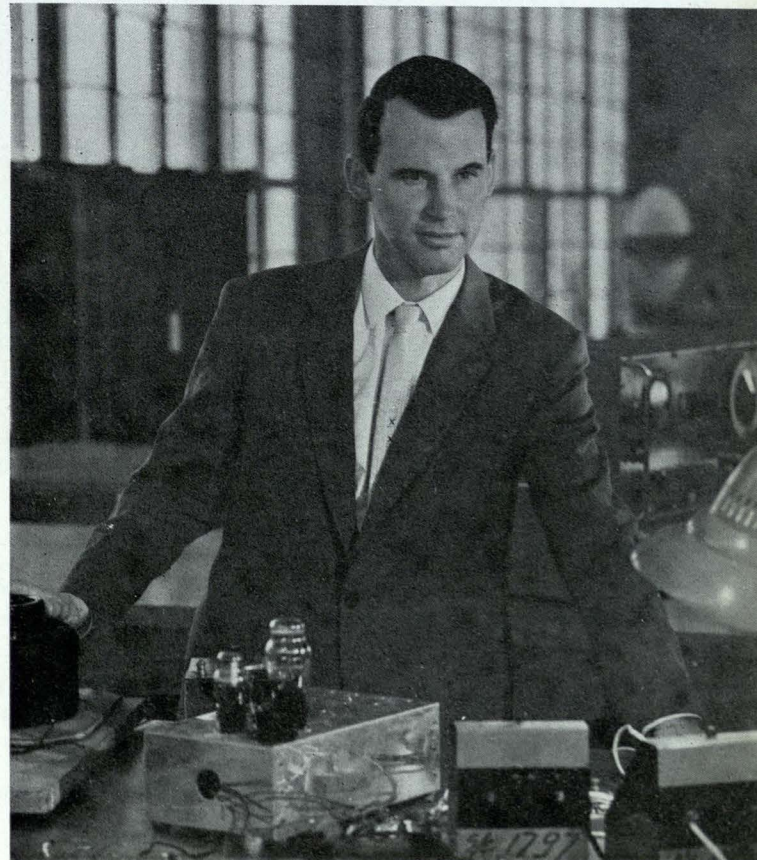


GABRIEL MATTA Lecturer, Assistant Professor of Civil Engineering. Diplôme d'Ingénieur Civil E.S.I.B. (mention Bien). Licencié ès-Sciences, Lyon University (France) 1955. Ingénieur-Docteur, University of Toulouse (France) 1957 (with the highest distinction). 1955 Engineer in the French firm "Études et Entreprises". 1955-1957 Research work in the National Center of Scientific Research in France. Since 1957, Engineer in the Department of Hydraulics and Electricity, Head of the Design Division, PWD Lebanon. Member of the firm "Consulting and Contracting Engineering Co.", in charge of the design and the execution of many projects in Lebanon. Representative of Lebanon to the hydrogeology Conference sponsored by the UNESCO 1957 and to the conference of water works operation organized by the W.H.O. 1958. Various scientific publications in French magazines. Member of the I.A.H.R. and of the Lebanese Order of Architects and Engineers.

Assistant Professor in Civil Engineering. — B.Sc. in C.E. 1951, American University of Beirut. M.S.C.E. 1957, University of California, Berkeley, California. 1951-1952 and 1954-1956, worked as Construction and Civil Engineer respectively with Trans-Arabian Pipe Line Company in Saudi Arabia. — 1952-1954, was drafted in the Syrian Army as second Lieutenant Engineer. — January 1957 to August 1957, worked as Structural Designer with Western Knapp Engineering Company, San Francisco. Associate Member American Society of Civil Engineers, Junior Member American Concrete Institute. Member Lebanese Order of Architects and Engineers.

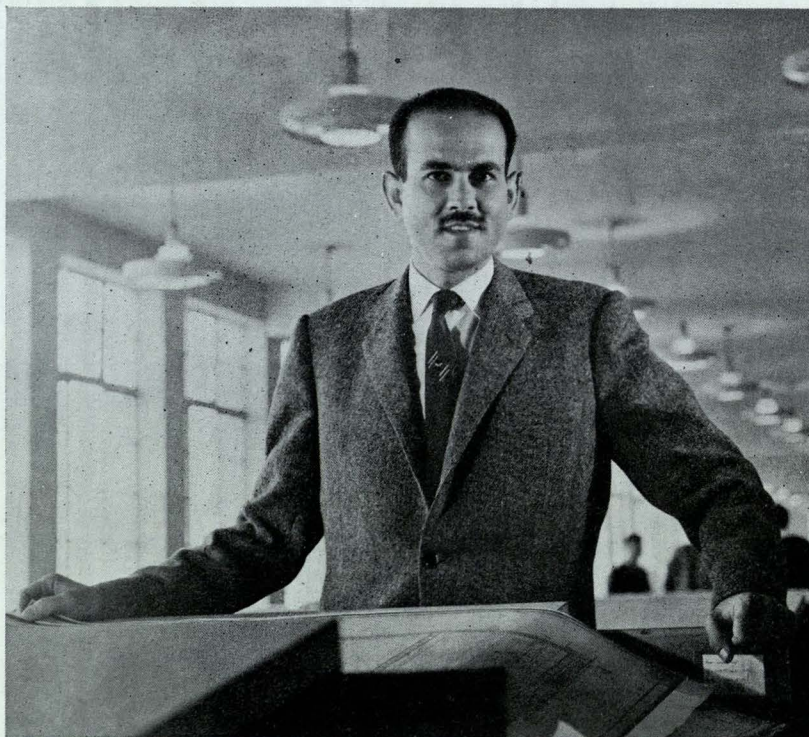


Assistant Professor in Engineering. — B.S. in E.E. 1955 and M.S. 1957, University of California, Berkeley, California. — Sigma Xi. — 1950 to 1951 Boeing Airplane Co., Wichita, Kansas worked on testing fire-control radar equipment before its installation in aircraft. — 1951-1953 in the Army in charge of technical aspects of the radio monitoring section of a psychological warfare unit in Germany. — Summer 1954, Electric Standards Laboratory, Naval Air Station, San Diego, California. — 1955-1957 Teaching Assistant in University of California. Summer 1956 Hughes Aircraft Co., Los Angeles: did electronic design work in connection with guided missiles — Member IRE.





Assistant Professor in Engineering Sciences. — B.Sc. in Petroleum Engineering, 1951, University of Oklahoma. 1957-59, did graduate work toward a Ph.D., in Geology, University of California, Berkeley & Harvard University. Pi Epsilon Tau (Honors in Petroleum Engineering). 1940-1947 taught Sciences English and Mathematics at American School for Boys, Baghdad. 1951-1952 until joining A.U.B. Faculty of Engineering, worked as Junior Driller, Assistant Petroleum Engineer, and Drilling Technician with Basrah Petroleum Co., Iraq. Has published several publications: articles, poems and stories. Awardeed Certificate of Special Merit by Forensics Dept., University of Oklahoma. Fellow, the Geological Society of London. Member, The Geological Society of America. Member, Society of Petroleum Engineers of A.I.M.E. Associate member, The National Writers Society (U.S.).



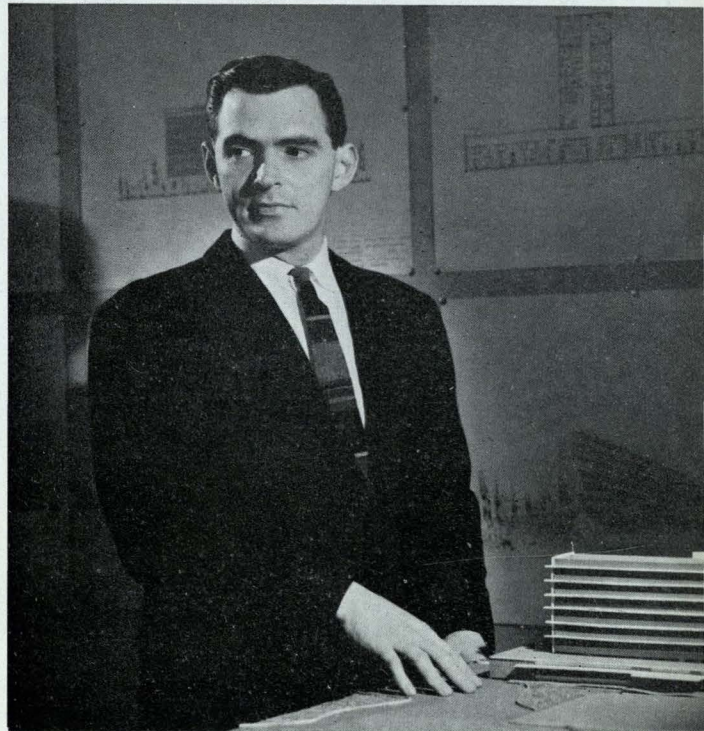
Assistant Professor in Civil Engineering. — B.A. 1947, A.U.B., B.Sc. in C.E. 1948, A.U.B., M.S.C.E. 1952, Lehigh University, U.S.A.; Consulting Engineer ACE, Beirut, Lebanon. 1948-1953 Site Engineer, Municipality of Damascus: Supervision of Roads, Sewer, Building and Bridge Construction. 1953-1955 SAMIR K. EL-KHURI Instructor of Civil Engineering, A.U.B. — 1955-1956 Engineer in charge of the CCC, Amman, Jordan; main work included construction of a raft foundation for a hotel, a wireless station, 100 refugee units and a hospital. — 1956-1958 Head of structural design office, national Board of Reconstruction, most important work was in cooperation with T.A.M.S. in connection with the Abu-Ali flood channel in Tripoli, including two 24-meter rigid frame bridges. Member ASCE; Member Lebanese Order of Architects and Engineers.

Assistant Professor in Mechanical Engineering. — B.S.M.E. 1957 (Hons.), Rutgers University, New Brunswick, N.J.; M.S.M.E. 1958, California Institute of Technology. Teaching assistantship while working towards Master's degree at the California Institute of Technology. Tau Beta Pi, (Engineering), Pi tau Sigma, (Mechanical Engineering), Pi Mu Epsilon, (Mathematics). **MITRI KHAMIS** Summer 1956 worked with EBASCO Services Inc. in New York, N.Y. on the Layout of power plants. Summer 1957 worked with Symphonic Electronic Corporation as designer of mechanical parts in hi-fi phonographs. 1958-1959 employed with Consolidated Electrodynamics Corporation, Pasadena, California as associate development engineer in charge of design and development of oscillographs, datarites and other electromechanical equipment used for test and control. Associate member A.S.M.E.; Associate member American Association for the Advancement of Science. First prize in College Physics and Hamilton Award for outstanding work in Engineering.



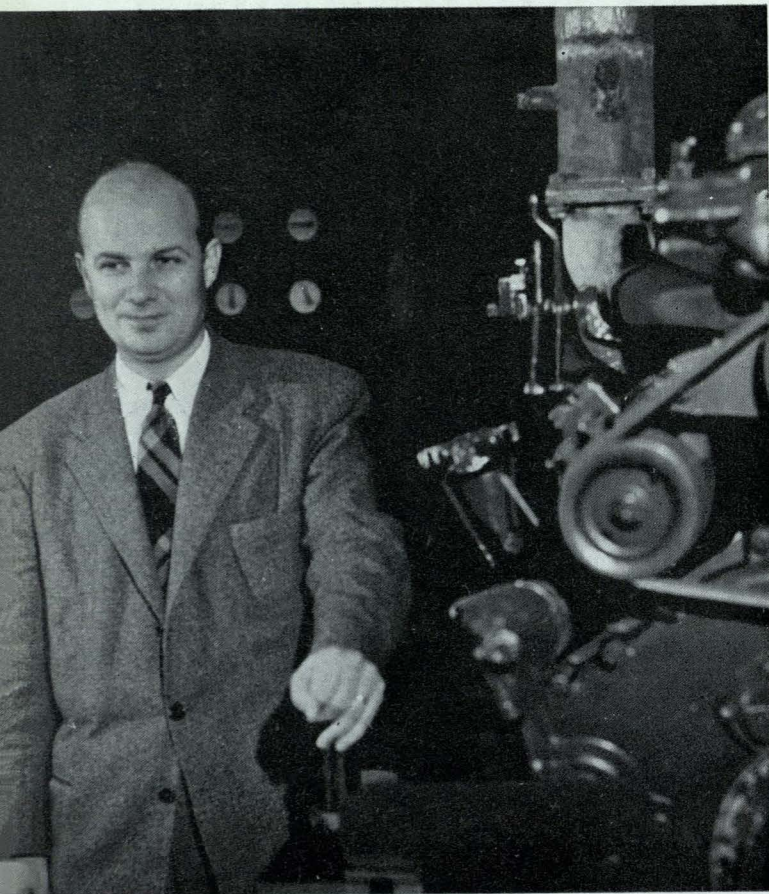
Assistant Professor of Civil Engineering. — R.I.C.S. London, 1937 Chartered Quantity Surveyor, Associate Member of the Royal Institution of Chartered Surveyors, London. 1932-1937 Quantity Surveyor, Public Works Department Headquarters, Jerusalem. 1937-1948 Quantity Surveyor and Valuation Officer (Officer Grade Civilian) War Office, Force Headquarters Middle East Command. 1948-1957 Quantity Surveyor, Iraq Petroleum Company, Tripoli. Since 1957 Consultant Chartered Quantity Surveyor in Private Practice, responsible for the preparation Contract Documents, Bills of Quantities and Specifications for several major projects.

THEODORE F. KHOURY

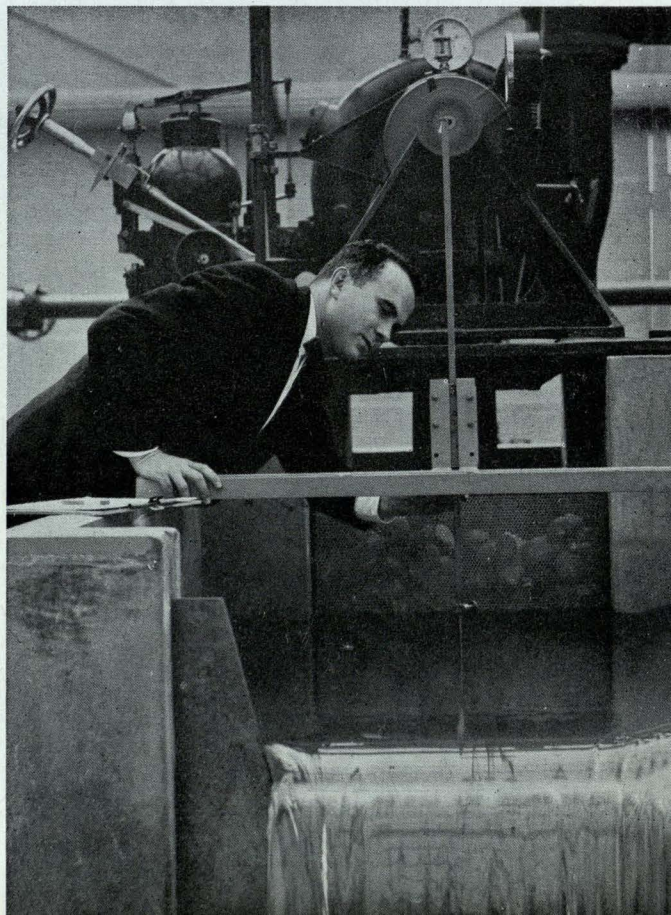


Assistant Professor in Architecture. — 1947 attended Institute of Design under the late Moholy Nagy, Chicago. B.A. in Architecture 1951, I.I.T., U.S.A.; 1951-1952 studied City and Town Planning (UCLA), and worked for Richard Neutra, Architect. Worked with various firms such as Skidmore, Owings and Merrill in Chicago before beginning own practice in 1954. Designed apartments, commercial and industrial buildings. 1955-1957 took up position in Madrid, Spain, as supervising architect on the military bases. 1957-1958 Chief Architect for the Frank E. Basil Company, in Athens, Greece. Member, American Institute of Architects. Winner 2nd Prize "Better Homes Competition" 1949 Chicago Tribune; winner "House of Year" 1954, Chicago Daily News; "Honorable Mention" 1954 Solar House, Chicago Chapter A.I.A.; First prize, National Competition for Theater and Club building complex for the Aristotelian University, Salonica, Greece.

RICHARD MAZER

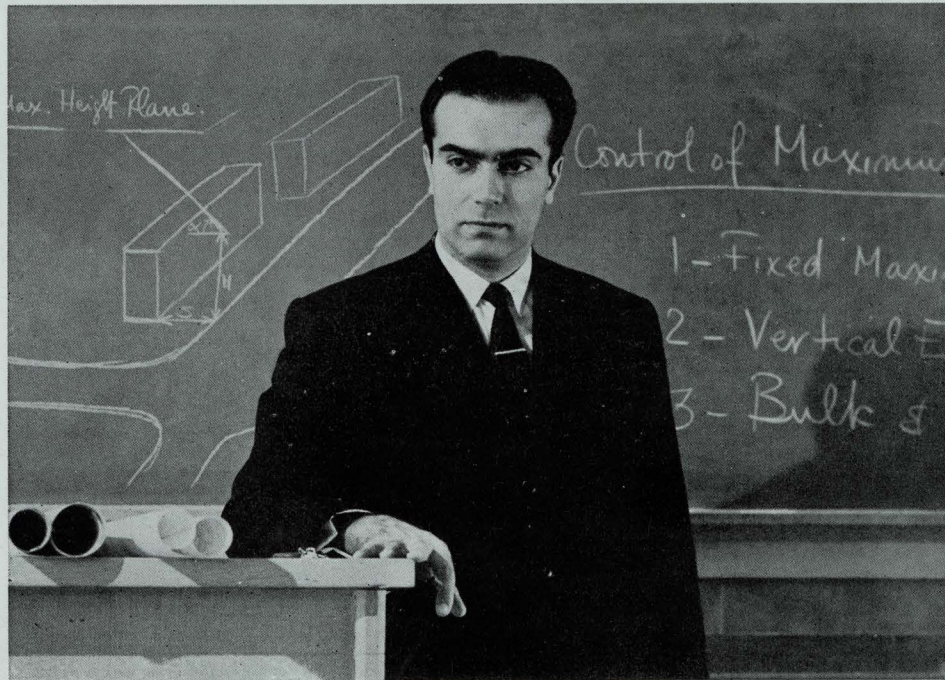
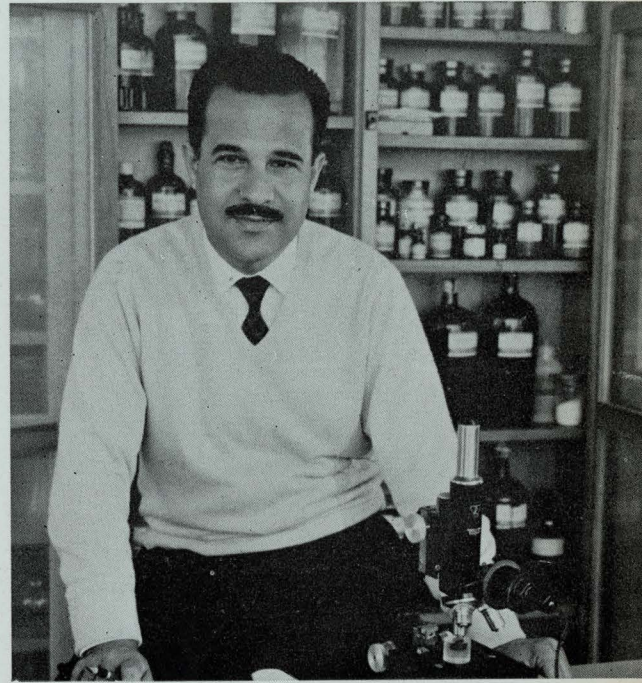


Assistant Professor in Mechanical Engineering. — B.Sc. in Mechanical Engineering 1949, Ciaro University; Ph.D. 1956, Manchester University, Associate Member, Institution of Mechanical Engineers, London. 1956 post graduate course on Jet propulsion and gas turbine at the School of Gas Turbine Technology, Farnborough. 1950 trained in Diesel Engine with R.A. Lister-Blackstone, Dursley and Stamford, England, with C.A.V. Fuel Pump and Injector and with Naper and Son for Supercharger. 1951-1953 Co-Technical Manager of Lister-Blackstone Agents in Syria and Lebanon. 1951-1954 lecturer in the Syrian University. 1956 worked as graduate apprentice with Metropolitan Vickers Manchester for steam and gas turbines. 1956-1957 worked as a design engineer with G.N. Haden & Son in London (air conditioning & central heating). Worked on different types of projects such as Climatisation of Plant Breeding Institute, Cambridge. 1958-1959 Member of Board of Atomic Energy in Syria. Head of Department of Physics and Mathematics and member of Board in the Faculty of Engineering, Syrian University. 1958 elected treasurer of Engineers Association in Aleppo. Wrote several papers on heat transfer.



Assistant Professor of Civil Engineering. — B.S.C.E. 1955, Swarthmore College, Swarthmore, Pa. 1955-1956 Modjeski and Masters, Consulting Engineers, Philadelphia, Pa.: did detailing and design on high-CONSTANTINE J. INGLESSIS way and bridge projects. 1956 joined the Faculty of Engineering, A.U.B. Associate Member, American Society of Civil Engineers.

Instructor in Engineering. — A.M.I. Prod. E. Aeronautical Engineer, College of Aeronautical Engineering Diploma (Hons.) London, 1949. National and Higher National Certificates in Mechanical and Production Engineering **NUR A. HAWA** at Wandsworth Technical College London, 1955. Holds the British Ministry of Civil Aviation and U.S. Civil Aero-nautics Administration Ground Engineer's Licences on Aircrafts and Engines. 1941 joined the Royal Navy as Chargeman of Fitters at Haifa Naval Base. 1951 joined the Middle East Airlines as Foreman on the overhaul and maintenance of aircrafts and engines. 1953 joined the De-Havilland Aircraft Co. Ltd. as Design Draughtsman. 1955 joined the A.U.B. Faculty of Engineering.



Lecturer-Instructor of City Planning. — B.S.C.E. 1953, (A.U.B.), Graduate work in Highway Traffic and Cert. in Highway Traffic 1954-55 Yale University. 1953-54 did individual research and study on transportation in Lebanon. 1955-58, Traffic Engineering consultant to the Lebanese Ministry of Public Works. 1958 Traffic Engineer of the City of Beirut. 1955 wrote a research and professional paper on "Intersection Signal Delay" at Yale University's Bureau of Highway Traffic. Member, Lebanese Order of Engineers. Member, Institute of Traffic Engineers. Member, Lebanese Traffic Commission.

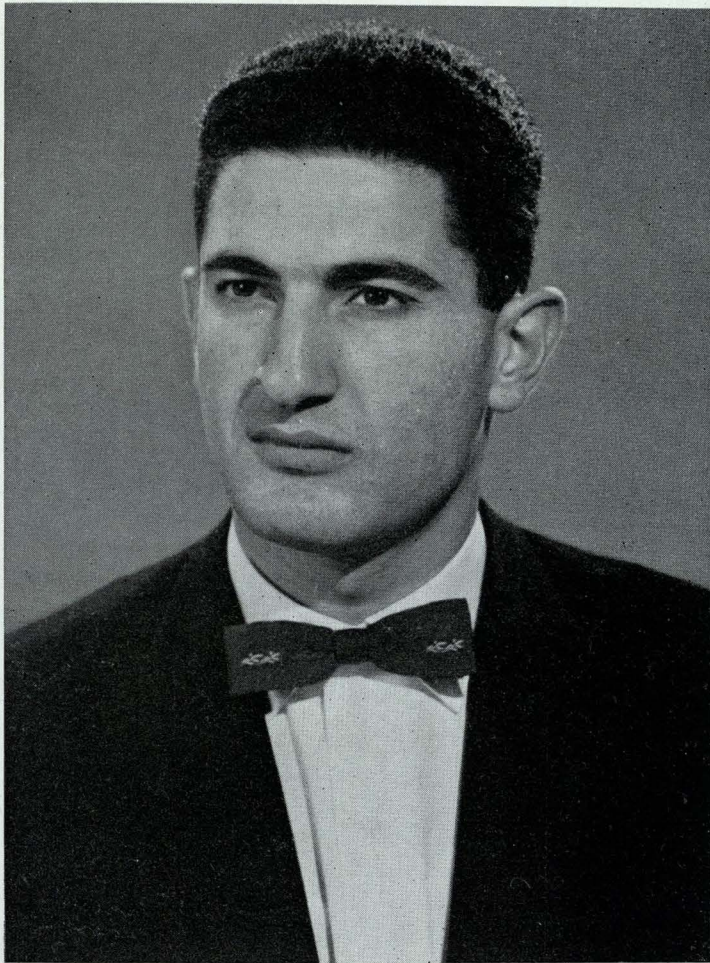
KAMAL I. KHURI



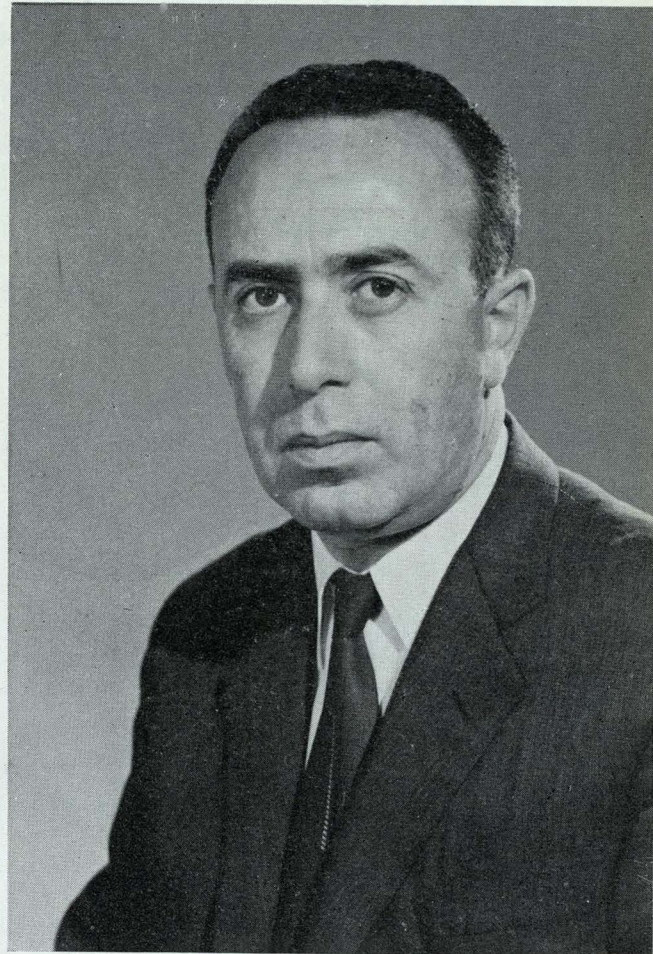
Instructor of Mechanical Engineering. — 1951-1954, Virginia Polytechnic Institute, U.S.A. — 1953 B.S.M.E. — 1953-1954 Teaching
KURAN A. Experience: (Graduate Work) Applied Thermodynamics, Refrigeration, Mechanical Eng. Lab. (Virginia Polytechnic Institute). Worked in International G.E. Co. under their engineering training program for foreign students. — pi tau Sigma, Honorary Mech. Eng'g Fraternity. — Tau Beta Pi — Honorary Engineering Fraternity.

Instructor in Architecture. — B.A. in Architecture 1959, University of California. Draftsman and designer with Barbachano, Ivanitsky and Watanabe A.I.A. Architects. **SAMIR H. KHAIRALLAH** Industrial Designer for Likit Aluminum Inc. Awards: Kopper's Architectural Competition — Honor Mention. Member, Lebanese Order of Architects and Engineers.





B.Sc. (Hons.), 1955. Instructor in Electronics. — joined the Marconi's Wireless Telegraph Company in 1955 to work on the testing of High Power H.F. S.S.B. Transmitters, and the applications of Ring-Modulators to S.S.B. Drives. Then attended the five-month Radar Course at Marconi College which ended with a project on I.F. Very-Wide band Amplifiers. And until appointment at A.U.B. in 1959, was a Development Engineer in the Transmitter Development Group of the same company, where, together with the Senior Engineer developed the H.S. 113 1 kw very wide band Transmitter. This Transmitter is completely non-tunable over its entire frequency range of 2-24 Mc/s, and will therefore accept any type of drive. It is believed to be the first of its kind in the world, and should revolutionize point-to-point communications.



1945 Civil Engineering and Master of Sciences degrees from Université de Caen (France). — 1939-1951 Professor of Mathematics at the Lycée Mission Laïque Française at Aleppo, U.A.R. 1955-1957 In charge of Power distribution lines at the Electricity Co. of Aleppo, U.A.R. 1957-1960 In charge of the studies of Power distribution in Lebanon at the Ministry of Public Works in Beirut.

cultural sequence

The cultural sequence courses serve as the spice which renders food more agreeable : spice, though it appears as an addition, yet it makes the whole difference.

These courses relieve the mind which is directed in a purely technical way. They are that "retouche" which rounds up the character and makes every student able to think for himself and give his own opinion about the cultural aspects of life.

Professor and Mrs. **J. Adams** give part of the cultural sequences courses.



In addition to the liberal courses of cultural sequence, Art is being taught in the school. Professors **Arthur Frick** and **John Carswell** come from the upper campus to convey to the architectural students certain Art techniques. The Art courses not only polish and enrich the tastes, but also are a pleasure and a means of discovering many hidden talents.

art

mathematics

All students, whatever their major is, have to pass through the Mathematics courses. The importance of these courses lies in the fact that they provide the means for the solution of the technical problems which the engineer might encounter.

Professor **P. Yff**, Professor **J. Ali** and Professor **W. C. Stone** give the mathematics courses (from left to right).



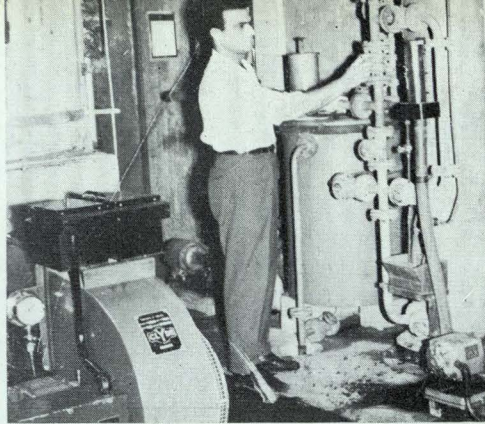
Mr. **Khalil Khouri** (visiting lecturer) teaches the students of Architecture the basis of rendering, which includes colouring and sketching. The course is quite essential because it helps the architect to visualize his work and to present it to his future clients in an attractive and correct manner.

architectural rendering

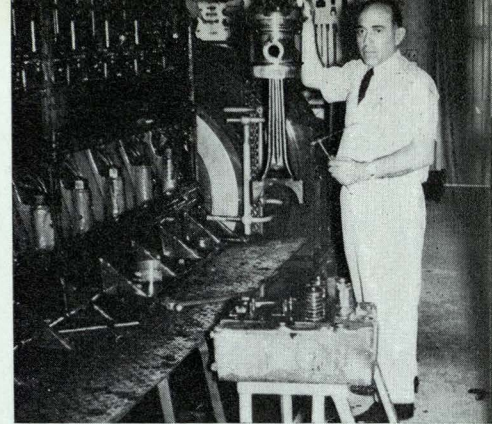




ADEEB MOUSSA, Power plant Foreman. Foreman of industrial Shops and Operations. Diplomas in Electrical Specialization from École des Arts et Métiers, Beirut, and E.M.I. Institute, England.



EMILE BADAWI, Chief, Steam Mechanics and Operators; 17 years of experience in General Mechanics; 9 years, automotive repairs; 8 years, Power Plants; 2 years, course in Steam Power Technology.

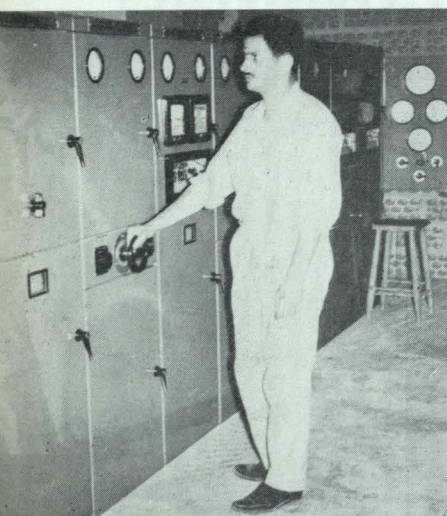


MICHEL MALEK, Chief Diesel Mechanic; 27 years of Mechanical experience; 13 years, automotive repairs; 14 years heavy duty Mechanical Foreman.

LABORATORY AND INDUSTRIAL SHOPS PERSONNEL



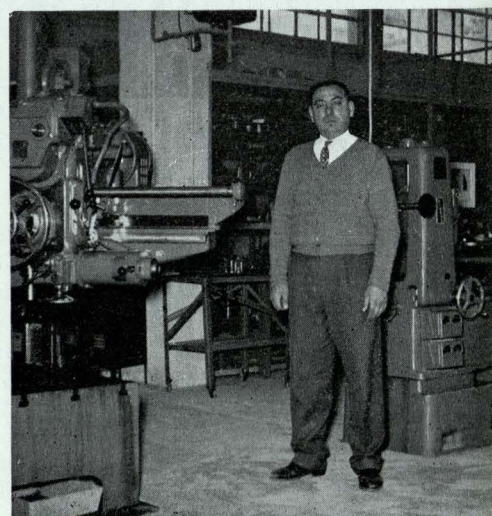
COSTI MALEK, Chief Mechanical Operator; 20 years, Mechanical Experience; 8 years, automotive works; 12 years, Diesel Engines



SIMON ABOUD, Chief, Electricians and Operators 20 years, Electrical works and experience Night School Course on General Electrical Services and Power. 1941 BIET certificate



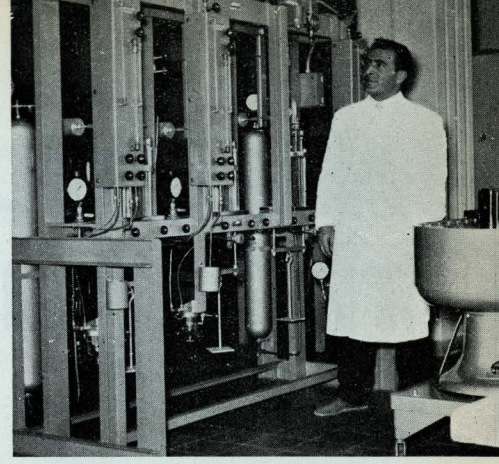
MICHEL KOUKOUZAKI, 1936-1940, Diesel Operator in DHP Company Since 1953, Diesel and Steam Operator at A.U.B.



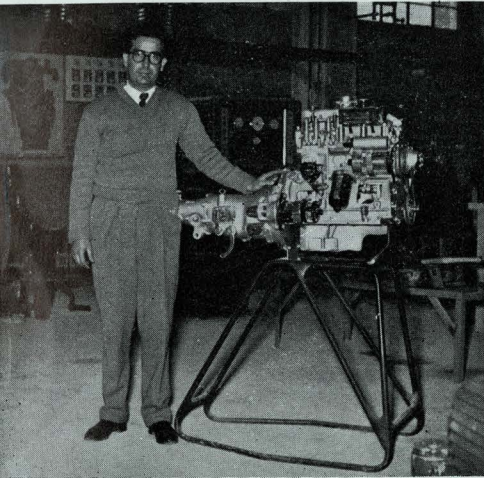
HALIM D. KHAMMAR, Junior Master, Mechanical Shop. 1928-1937 attended the Schneller High School, Jerusalem, Palestine. 1937-1953 worked on operation on all types of machines at the I.P.C. Central Workshop. Was in other charge of a machine shop and other shop-. Worked on metal spraying, pumps, and engines (Petrol and Diesel).



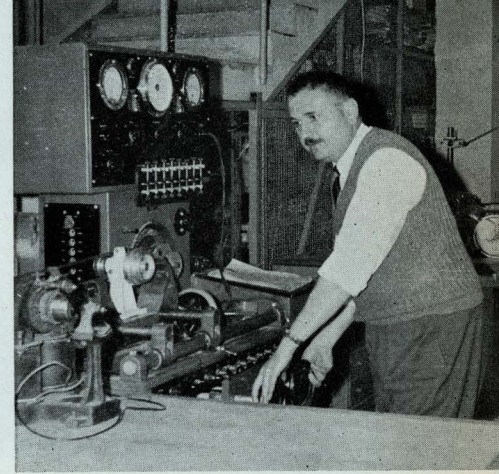
MOUSSA HAWWA. Master - Woodworking and painting shop. 1943-1946 worked with the British Royal Navy as carpenter; 1946-1948 Iraq Petroleum Company, carpenter grade A; 1948-1950 Contracting, shop and field carpentry; 1950-1955 American Oil Company; Feb. 1956 - May 1956 U.S.I.S. Atoms for Peace, supervisor and model making.



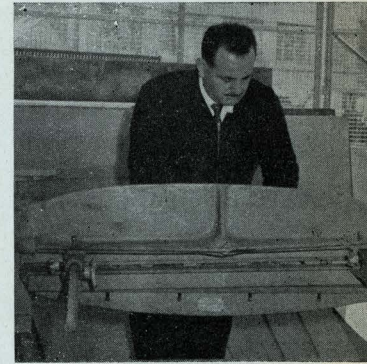
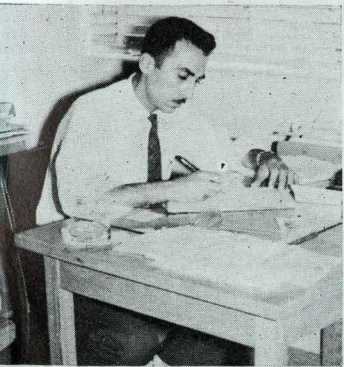
HAROUTUNE MINASSIAN. Master, Service Laboratory Operation. Specialization in Geology, 1955, France, and Soil Mechanics, 1957, England.



FOUAD GEORGE CHOUERY. Master, Electrical shops. Graduated from "École des Arts et Métiers à Beyrouth" B.I.E.T. Oxford, England. 1942-1947 worked with Cement Company, Chekka, Lebanon as a chief of electrical maintenance. 1947-1959 chief of electrical department, Port Company, Beirut.



HENRY NAZARIAN. Master Engine Shop. Associate Member, Society of Automotive Engineers.



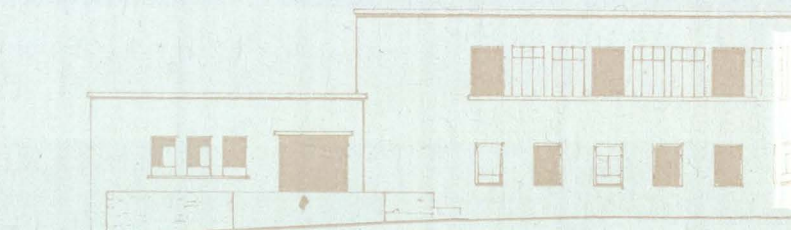
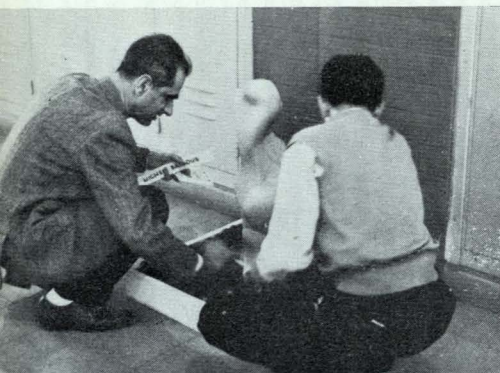
ARDASHES NAJARIAN. Junior master, woodworking shop. High School diploma. 1940-1942 private practice. 1942-1946 worked with British Army. 1946-1953 worked at American University Hospital as carpenter. 1953-1954 private practice.

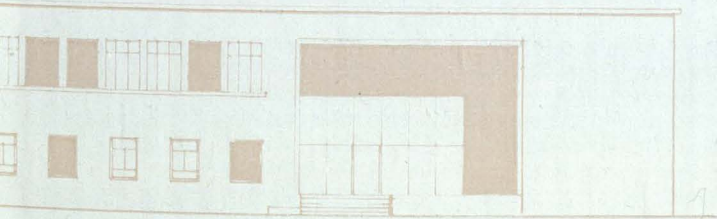
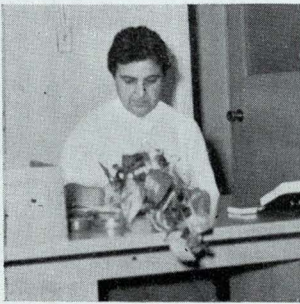
ROBERT KHALAF. Junior Master (drafting), Field Stations. Diploma, École Nationale de Renaissance. Radio Engineering degree from British Institute of Technology by correspondence. 2 years of architecture study at Academie des Beaux Arts. Worked with British army as designer of electrical layout. Worked with Tapline-Engineering aide. Worked with Middle East Pipeline as Draftsman. Worked with Tapline as a Travelling Lecturer and Instructor in safety Engineering.

ANTOINE BEIRUTY. Junior Master, Welding Shop.

MICHEL FAKHOURI. Junior Master, Metal Sheet Shop. Diploma (credit), Government Trade School, Haifa, Palestine. Worked seven years with the British Naval Armament. Worked for 4 years with Aramco at Saudi-Arabia. Assistant member, ASHRAE, Member, Industrial Training Institution, Chicago.

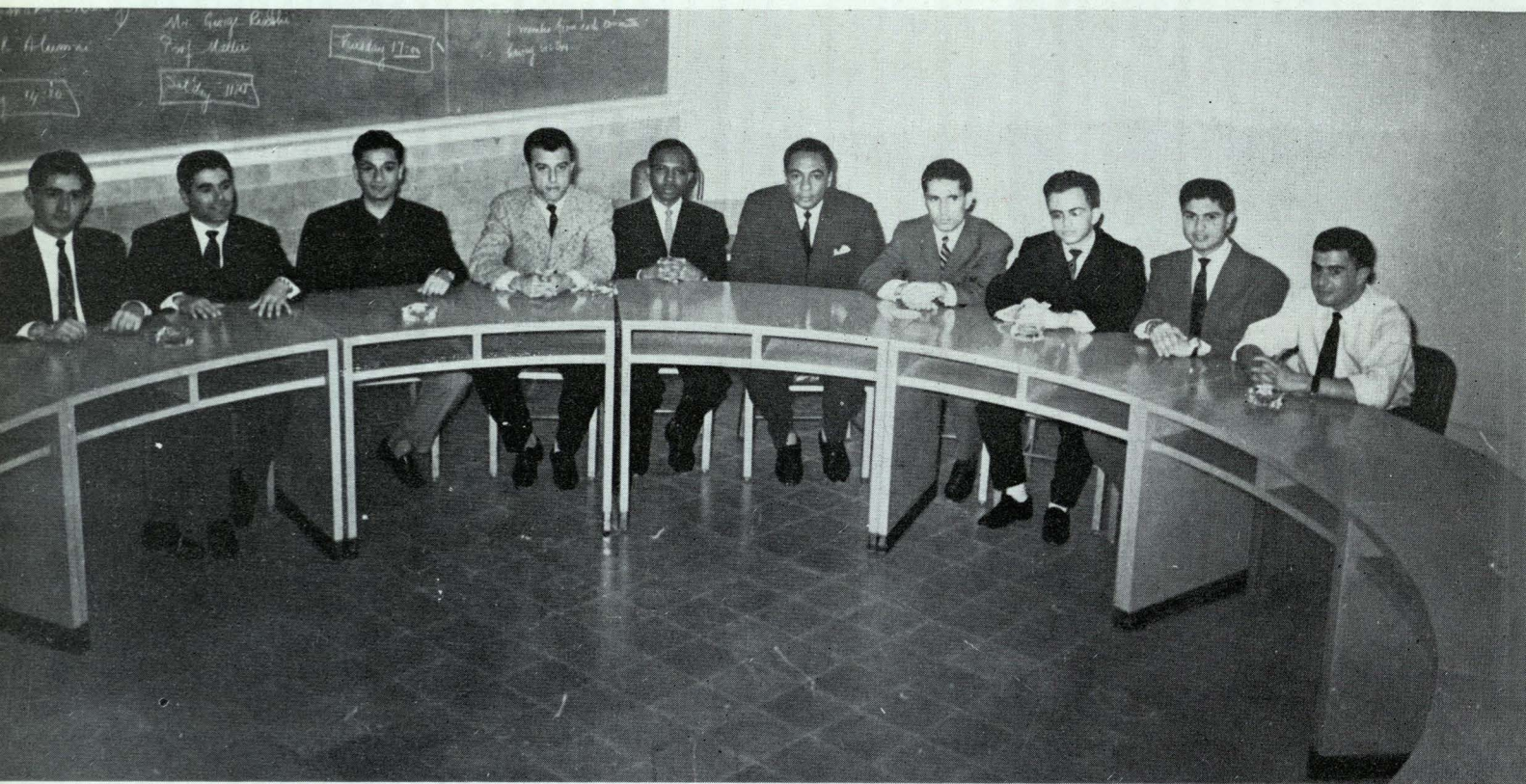
AROUND THE SCHOOL





E.S.C. : FROM LEFT

A. DEDEYAN, S. SARKIS, A. THEOKARIS, A. YEJES, A. AWAD,
K. AHMAD, H.A. NOORI, S. ABDUS-SAMAD, D. TUMA, E. BANNAYAN



E.S.C. JUDICIARY COMMITTEE

From left :

A. YEJES ; A. THEOKARIS ; K. AHMAD



THE ENGINEERING STUDENT CORPORATION

Started as an integrated faculty-student effort in 1952, the Engineering Student Corporation is at present a purely student management. It is a keystone for the efforts made to afford students the opportunity to develop their emotional maturity which is the basis for professional development.

Its cabinet, composed of ten members, represents the students' government. Its aim is to facilitate the exchange of knowledge and results of experiences amongst engineering students as well as with the outside engineering institutions, organizations and firms and to create a medium for student initiative and participation in the solution of their problems and difficulties.

All this and much more is achieved through group meetings, weekly assemblies, film shows, lectures, etc. The Honor System, the Judiciary Committee, Organization of students employment and the Graduate Loan Fund are highlights of the E.S.C.'s achievements.

The E.S.C. shares with the E.S.S. the organization of the annual Engineering Week in collaboration with the École Supérieure d'Ingénieurs de Beyrouth. This activity helps bring together for a whole week all colleagues to renew their loyalty to the Oath and Cannons and give them the opportunity to discuss and exchange experiences that help promote the profession.

The E.S.C. has also initiated the Engineering Review which is a landmark in the effort to encourage research and give students the chance to place their findings at the disposal of others.

THE ENGINEERING STUDENT SOCIETY

The Engineering Students Society is the official body that represents Engineering Students inside and outside A.U.B., and has at heart the interests of its members. It also organizes the social activities and cultural life of the students in the School of Engineering.

To achieve these various purposes, the E.S.S. cabinet has gathered around it the student body in active service, who develop their talent through the many different committees: Ball, Show, Trip and Cultural. The Cultural Committee takes care of the literary, general knowledge, chess, music, band, glee and art activities, through its different subcommittees. The society also participates in organizing the Engineers week and other special programs.

Some of the E.S.S. activities are fund-raising, like the Ball and the Show. All funds raised through these activities, go to the E.S.S. emergency loan fund, from which any Engineering Student who is in financial trouble, and whose academic standing is sound, can benefit.

Students in the school pay a nominal membership fee and enjoy the various rights and responsibilities of the members.



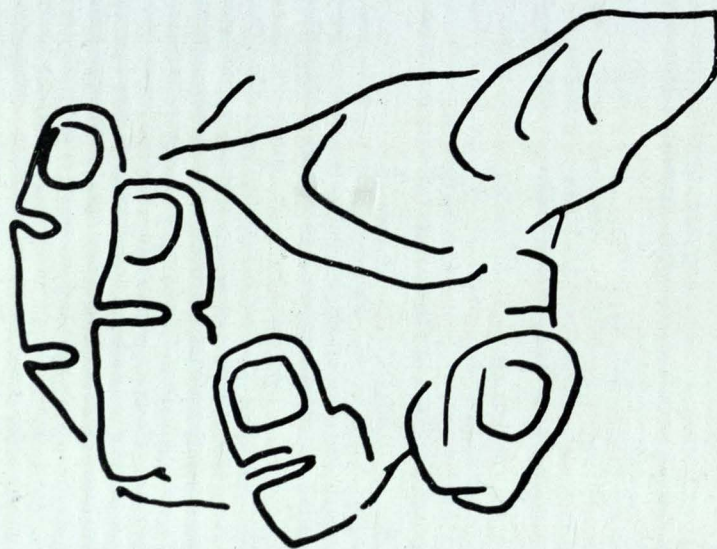
FROM LEFT

H. KHALIFE, A. YAKAN, E. HADDAD, J. DAJJANI, V. TENEKJIAN,

G. TOHME, C. ZAKARIAN, PROFESSOR RAY GHOSN (Advisor)



A CHARGE TO THE CLASS OF 1961



"It is by noble deeds that a man shall prosper in any land"

You are the tenth class to be graduated from this School since its establishment. You are therefore unique at least in that sense. Whether or not you become individually or collectively unique in some worthwhile way in days to come depends entirely on you.

We have spent long hours discussing the many facets of productive, useful and responsible life. We have given much thought to the problem of self development, mental, moral and physical. We have dwelt on the aspects of cooperation and human communication. In short we have tried to explore a little way into your future and appraise the potential you have developed for meeting and controlling it.

What you have learned from these sessions not even you can determine until you come to grips with what the future brings you. If you have developed enough to look upon these situations as they come, as opportunities rather than problems, you have made a start. If you can look forward eagerly to every new day and whatever it may bring to you, you have made a good start. But I should tell you that starting is easy, it is the unrelenting continuation, without loss of enthusiasm, in the face of drudgery, disparagement, ridicule, discouragement and all the host of unlovely things society at times showers on those who honestly try to improve man's lot and therefore must at times challenge established practices, that will provide the true measure of your caliber.

As I have said to you on many occasions, you will never want for adequate excuses for your shortcomings if you have not the moral courage to accept, without quibbling, the results of your own actions or lack of them. But remember that in this Profession it is results not excuses that determine the right to continue. And it is the assumption of responsibility for initiating action in worthwhile undertakings that determines the right to leadership in your Profession.

Make your work your pleasure and do not fear failure, fear only the reluctance to attempt. However this does not mean that you should attempt things for which you are not fitted. Make the acquisition of knowledge and the intelligent application of it your pattern. But above all make the development of wisdom and judgment your duty, that you can accept the leadership which will come to you.

Build your career out of each day's successful accomplishment of some worthwhile thing, regardless how small, for the benefit of others and you will have a full and satisfactory life.

I charge you to be true to your profession, your heritage and your faith. In short be true to your Oath, and your people will prosper.

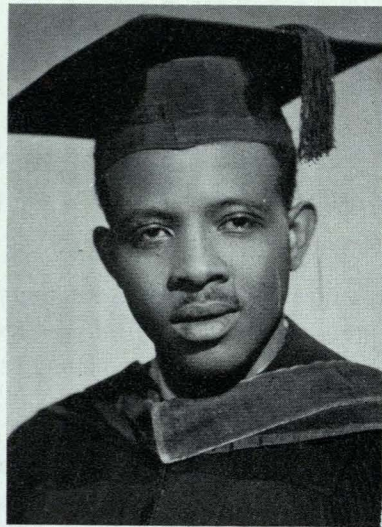
"God be with you and bring success to your worthy efforts"

«أخذ الله بيدكم وكلل جهودكم بالنجاح»

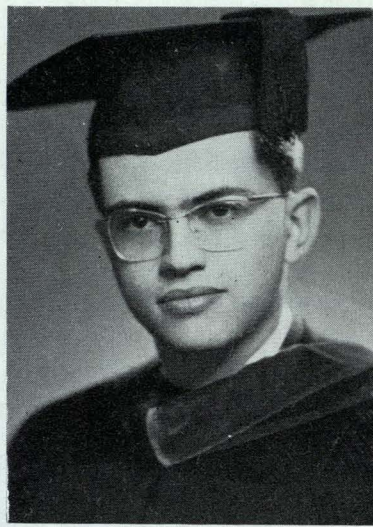
C. KEN WEIDNER, *dean*



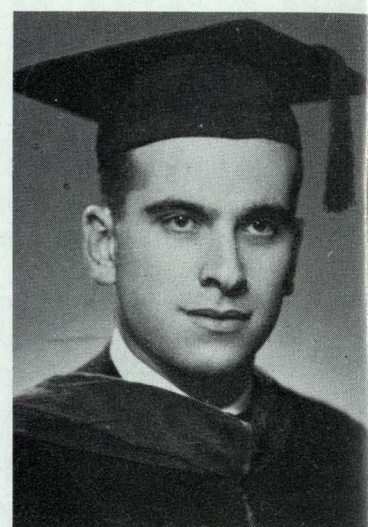
**CANDIDATES
FOR THE
BACHELOR OF
ENGINEERING
MAJOR
CIVIL**



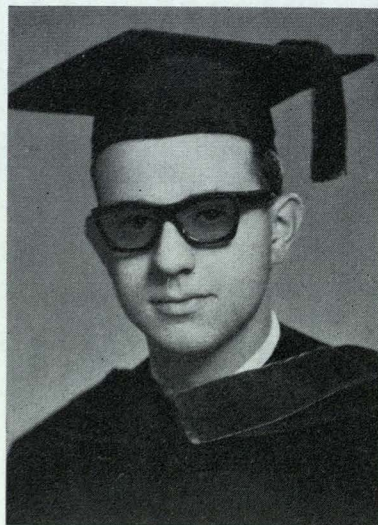
AWAD ABDUS - SALAM
Khartoum, Sudan
E.S.C. Secretary 60-61
Review, Associate Editor 60-61
Committee 59-60
Corporation of Class 1961,
President 59-60



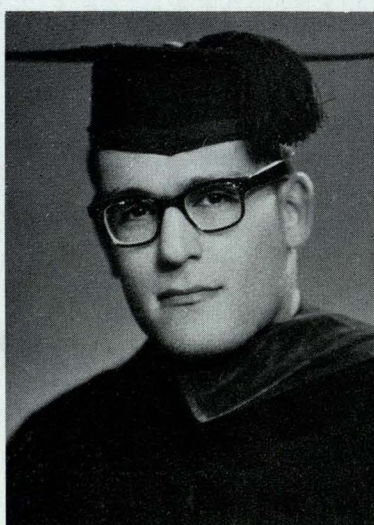
SANA ABDUS - SAMAD
Beirut, Lebanon
Engineering Students Corporation,
Summer 59-60
Vice-President, 60-61 Public Relations
Review 59-60, Editor in chief 60-61
Yearbook Business Section '59
Show Committee 59-61
General Knowledge Team (Engineering
School) 60-61
Physics Mathematics Society Member
58-61



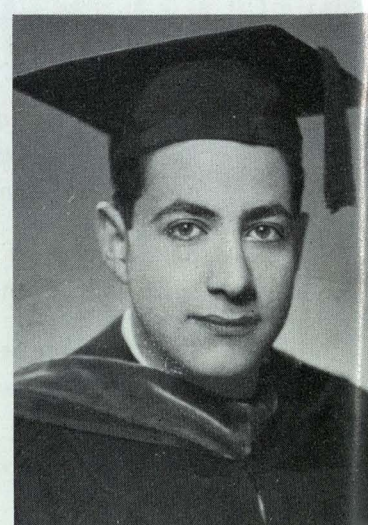
AZIZ ABU - SAMRAH
Cannabeh, Broummana, Lebanon
Member of Physics Mathematics
Society 57-60
Treasurer of Physics Mathematics
Society 60-61
Member of Photography Club 60-61
Chess Instructor 59-61



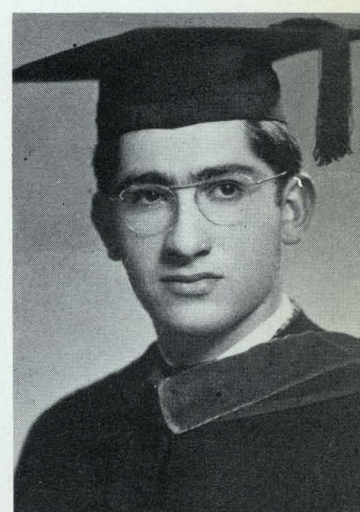
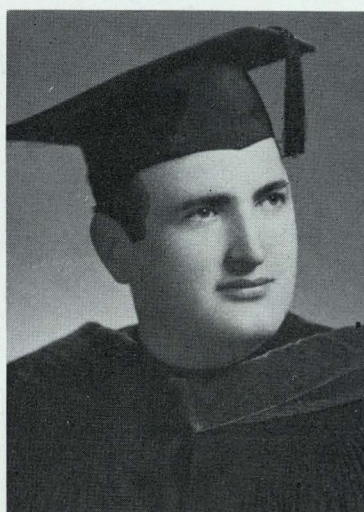
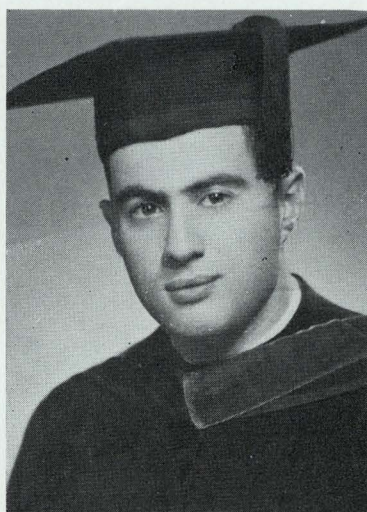
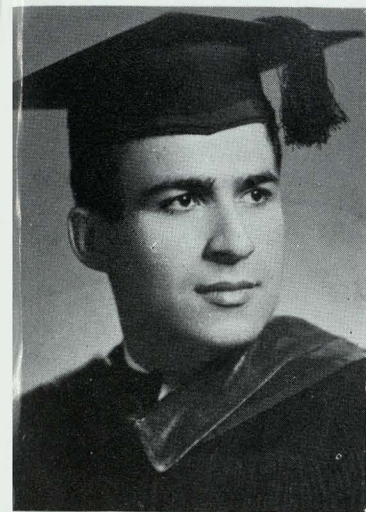
ADNAN GHANTUS
Haifa, Palestine
General Knowledge Committee 57-61
Track & Field 57-60
Softball Varsity 58-59
Softball Major League 57-61
Judo Manager, Summer '59
E.S.S. Treasurer 59-60
Trip Committee — Vice Chairman 59-60
Property Committee — Chairman 59-60
Show Committee 59-60



KAMAL HADDAD
Brummana, Lebanon
Track & Field Team 57-61



ELIE HALABY
Beirut, Lebanon
Life Saver Senior
Physics Society Member 59-60
Usher 57-58

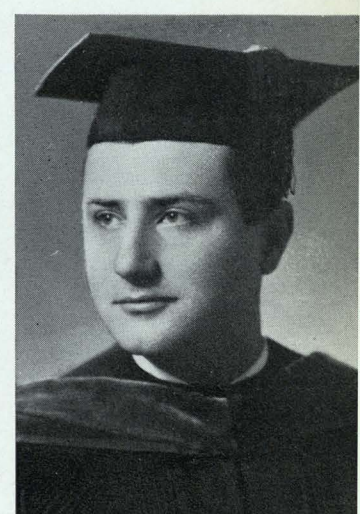
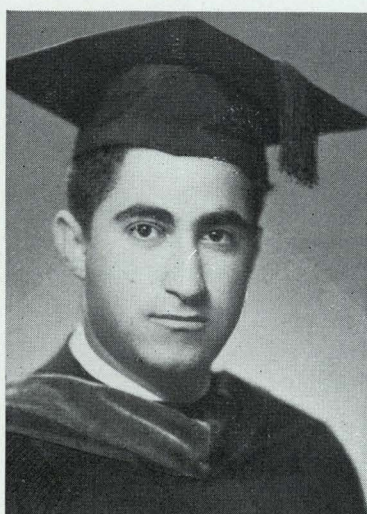
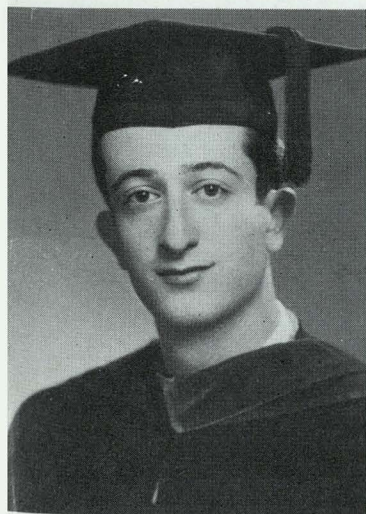


TONY ASHMAR
Arjiss, Zghorta, Lebanon
Football minor league 58-61

ELIE BANNAYAN
Amman, Jordan
Corporation 60-61
Yearbook Committee 58-61
Show Committee 58-61
C.W.L. Member 57-61
Outlook Reporter 59-60

JARIR DAJANI
Jerusalem, Jordan
Member, E.S.S. Cabinet 58-59
C.W.L. Planning Committee 58-59
Member C.W.L. 57-61
Secretary, E.S.S. 59-60
Chairman, E.S.S. Cultural Committee 58-60
E.S.S. Show Committee 59-60
President C.W.L. 59-60
President E.S.S. 60-61

APRAHAM DEDEYAN
Beirut, Lebanon
Corporation 60-61
E.S.S. Member 59-61
Minor League Football 57-61



FAIZ HAMRA
Judiedet Marjeyoun, Lebanon
C.W.L. Village Committee Secretary 56-57
Rifle Shooting & Archery Manager '60

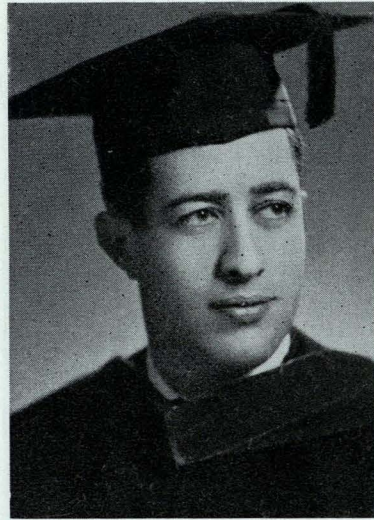
FUAD HASSUN
Haifa, Palestine
A.U.B. Football Varsity 57-61
Engineering Football Team 57-61
Chairman, C.W.L. Social Committee 59-60
Treasurer C.W.L. 60-61
Member, E.S.S. Literary Committee 59-60
Manager, C.W.L. Night School 60-61
Show, Make-up 59-61

HANA HAWWA
Haifa, Palestine
Basketball minor league 59-61
Table Tennis Club (member) 57-61
C.W.L. (member) '57

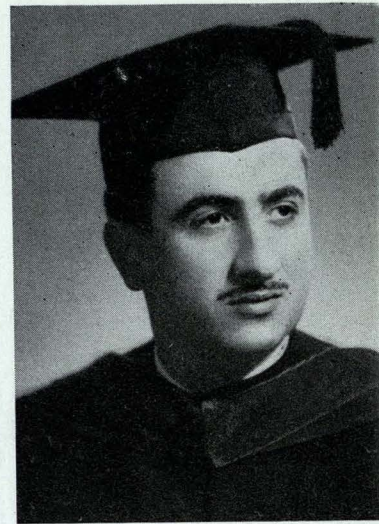
ANIS HILU
Mashata-el-Hilu, Syria, U.A.R.
Physical Culture Manager 60-61



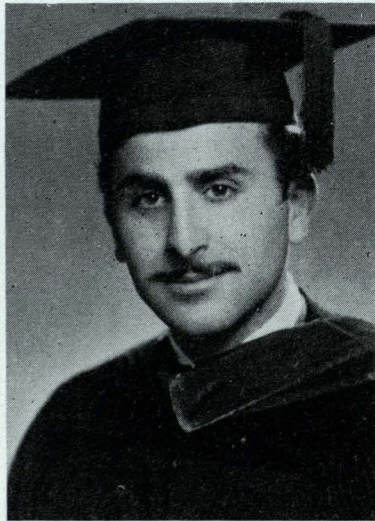
FAWZI JURDI
Shwayfat, Lebanon
 Life Guard (Water Sports) 1957



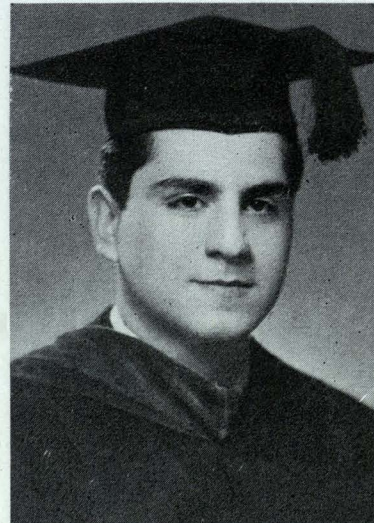
DAUD KHALAF
Jerusalem, Jordan
 Corporation '61, 59-60, Secretary
 Literary Committee '61, Chairman
 Extra-Curricular Activities
 Committee '60 Secretary
 Extra-Curricular Activities
 Committee '61 Chairman
 Literary Committee 57-61
 General Knowledge Contest Team 57-60



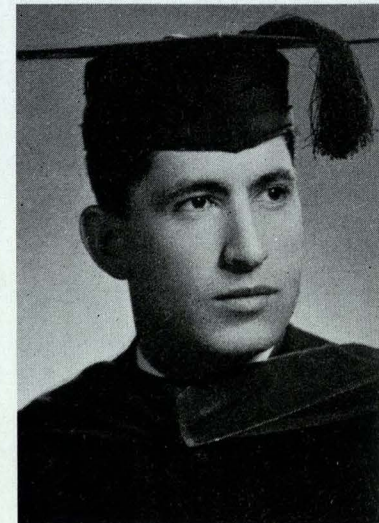
ALI KURAYYIM
Amman, Jordan
 E.S.S. Trip Committee 59-61
 Slides Projection Manager '61
 Civic welfare league:
 Cabinet member '59
 Treasurer '60
 President '61



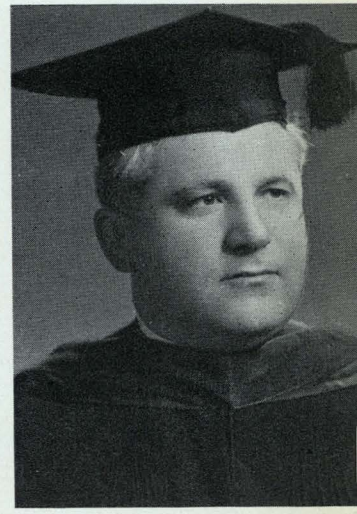
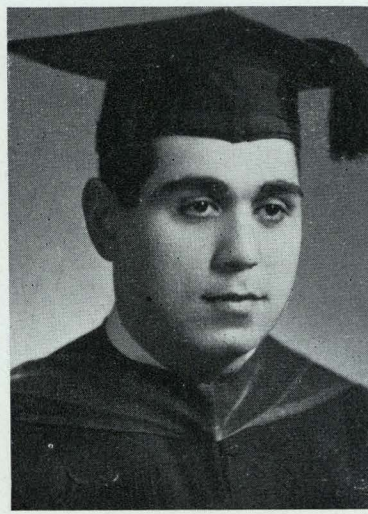
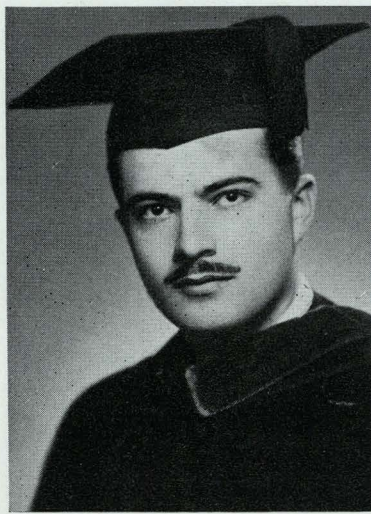
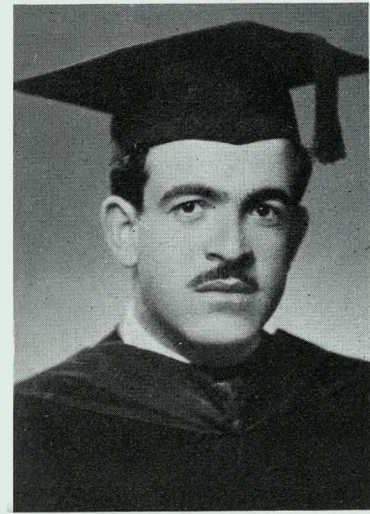
BASSAM MIMARI
Sidon, Lebanon



JOSEPH NAUFAL
Sidon, Lebanon
 Judo Team 59-61
 Review, business section 60-61



HAIDER ALI NOORI
Paghman, Kabul, Afghanistan
 Football minor league 58-61
 Volleyball minor league 58-61
 Engineering Student Corporation '59
 Vice-President 60-61
 Physics Mathematic Society 60-61
 A.U.B. Folk Dance Club 60-61
 Vice-President Afghan Student
 Association 60-61

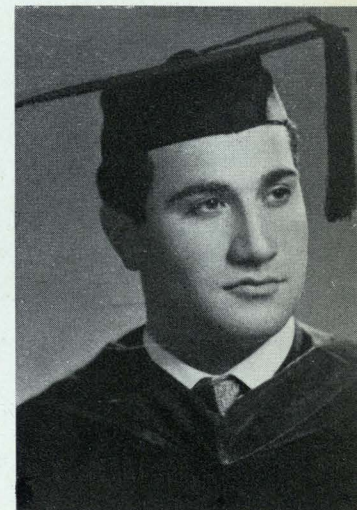
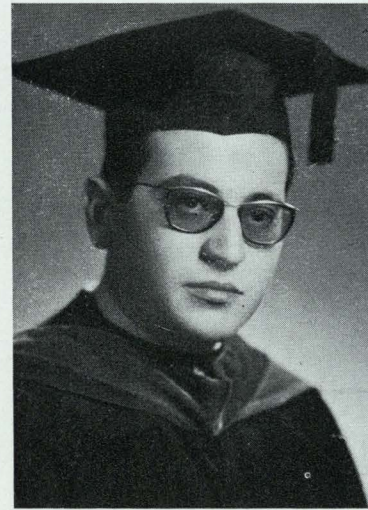
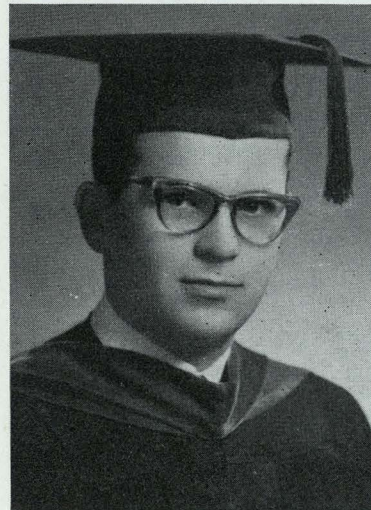
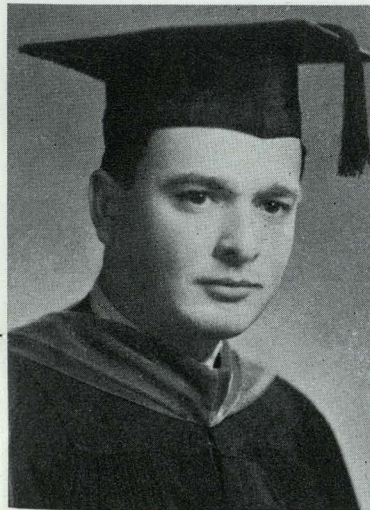


RIFAT LUBANI
Sa'sa', Palestine
 C.W.L. Night School 57-58
 Teaching (Macassed) 58-61

SAMAH MAKARIM
Ras-El-Metn, Lebanon

BOGHOS MALKHASSIAN
Beirut, Lebanon
 E.S.S., Music Sub-Committee,
 chairman 60-61
 Volleyball, minor league '61

MARKAR MARKARIAN
Urfa, Turkey
 Baccalaureat Physics Instructor 58-61

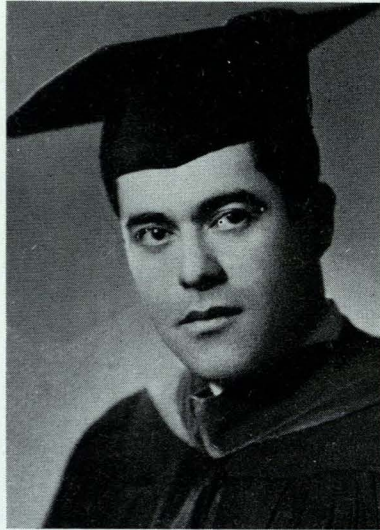


ANTOINE PAPADOPOULOS
Beirut, Lebanon

GARABED SADIKIAN
Beirut, Lebanon
 Basketball major league 57-61
 E.S.S. Member 57-61
 Show Committee 57-58; 60-61

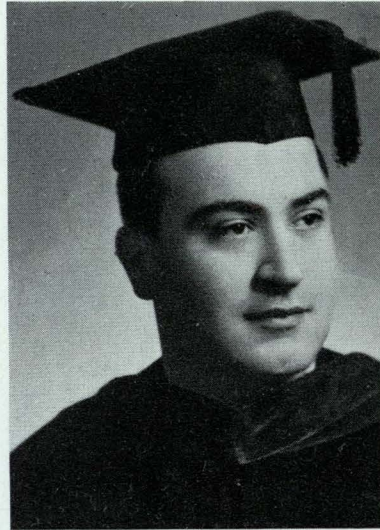
RAYMOND SALHAH
Tyre, Lebanon
 Chairman of Engineering French
 Course 59-60

RAMZI SANBAR
Haifa, Palestine
 E.S.S. Band 58-60; Manager 59-60
 E.S.S. Cabinet '59
 Ball Committee 59-61
 Softball minor league 58-59
 Basketball minor league '58
 Football minor league 60-61
 Show Committee 58-59
 Music Group, Chairman 59-60
 Car Show Committee '59



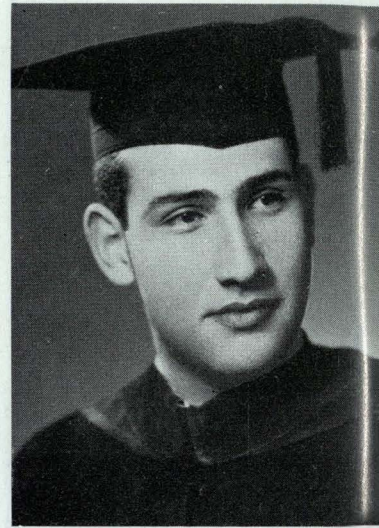
SAMIR SARKIS
Avisdik, El-Koura, Lebanon

Engineering Student Corporation —
Security Manager 60-61



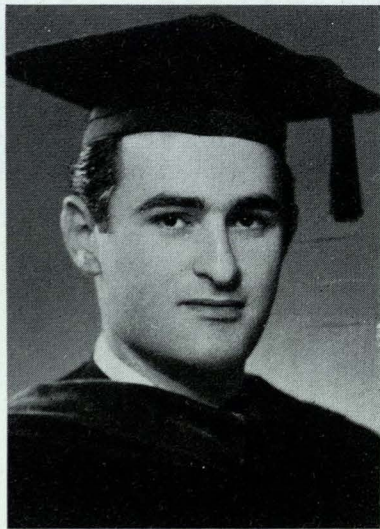
HIKMAT SIMAN
Lebanon

Chess Team 59-61
Engineering Chess Champion '59



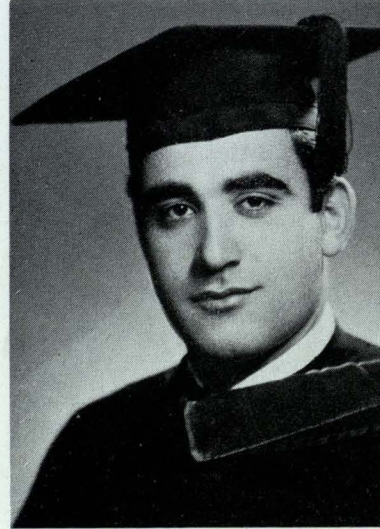
NABIH TAKIYYUDIN
Damascus, Syria, U.A.R.

Trip Committee 60-61
Photography Club 60-61
Show gadgets manager 60-61



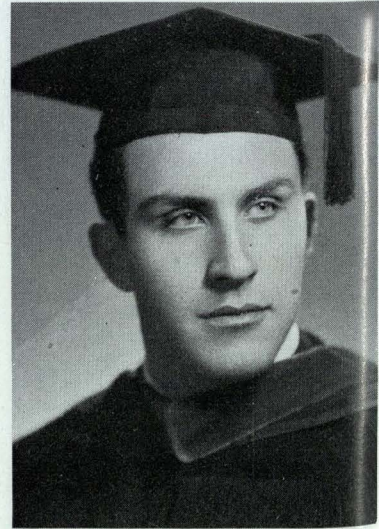
VAROUJAN TOURIAN
Jerusalem, Jordan

Football major league 58-60 &
Minor league 57-61
Life-Saving
Drama Club
English Literary Sub-committee
Poetry Contest (twice)
Short Story Contest
Show Script Committee 59-60
Acting in Show
Review (Features)
Judo Team



FUAD TUMA
Dhour Shweir, Lebanon

Member & Captain of the Tennis
Team 59-61
Member of the Athletic
Committee '61



AHMAD ADIL YAKAN
Aleppo, Syria, U.A.R.

Football major and minor league 57-61
Football minor league captain 60-61
Basketball minor league 60-61
E.S.S. Secretary 60-61
Trip Committee Chairman 60-61

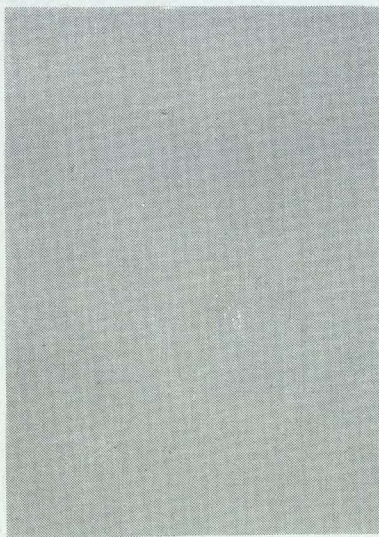


YERVANT TCHEUREKDJIAN
Beirut, Lebanon

ANWAR THEOKARIS
Tripoli, Lebanon

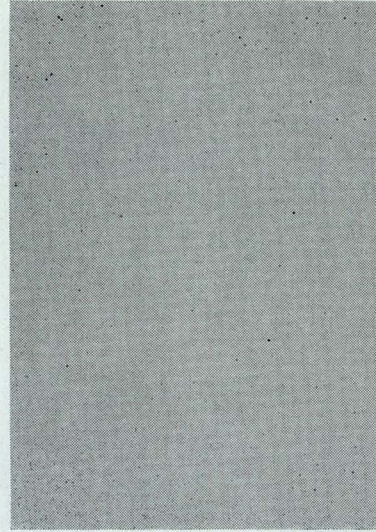
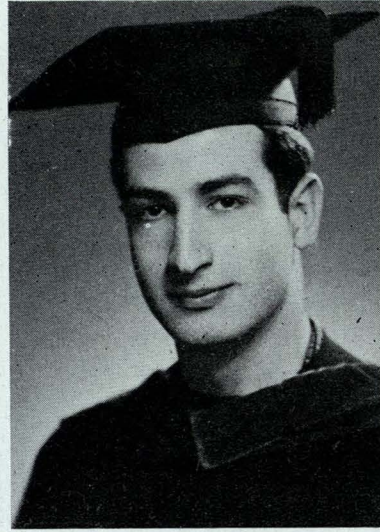
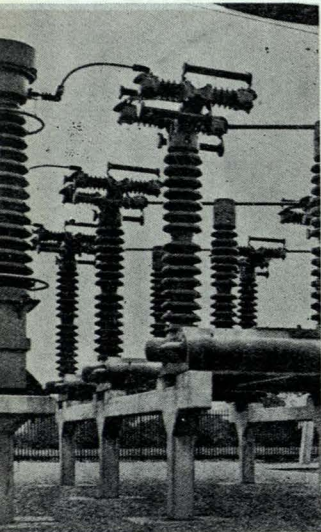
Football minor league,
major league 57-61
Engineering Chess Team 59-61;
Chairman 60-61
A.U.B. Chess Champion 59-60
Basketball minor league 59-61
Volleyball minor league 59-61

Engineering Students Corporation 59-61
Chairman of Judiciary Committee 60-61
Table Tennis Team Engineering 59-61
Varsity 60-61
Minor league basketball 60-61
Judo Team 59-61



ANTONIO YEJES DAJER
*San Francisco de Macoris,
Dominican Republic*

E.S.C. Athletic Manager 59-61
Judiciary Committee 60-61
Member of the Athletic Committee
58-59
Chairman, 60-61, Engineering Softball
Team 57-61
Captain, 58-59, 60-61,
Varsity Softball 56-61, captain, 59-61
Manager 58-61, Member of Executive
Committee
Beirut Softball League 58-61
B.S.L. All Star 57-58, 59-61,
Captain 60-61
Umpire of the Year 59-60
Review Committee 59-60



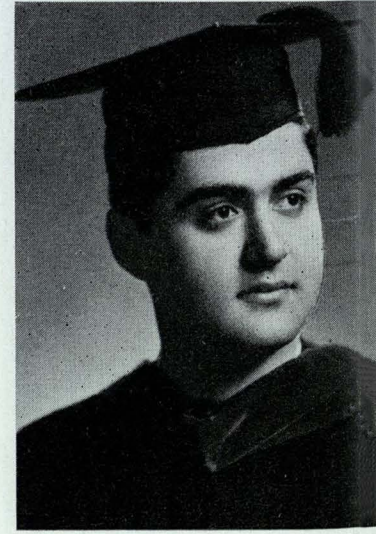
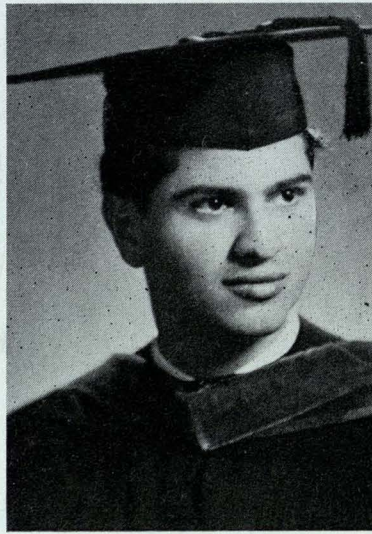
**CANDIDATES
FOR THE
BACHELOR OF
ENGINEERING
MAJOR
ELECTRICAL**

MUHAMMAD BARHUMI
Beirut, Lebanon

Show Committee — Electricity 60-61
Photography Club '57

FAWZI IMAD
Beirut, Lebanon

Photo Club, 57-58
Track & Field 58-61
Outlook Assistant Reporter, 60-61



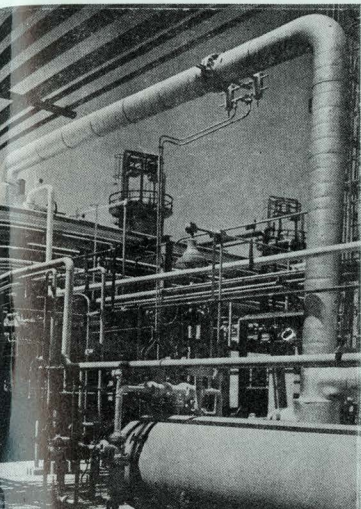
JOSEPH ISTFAN
Beirut, Lebanon

DAVID TUMA
Beirut, Lebanon

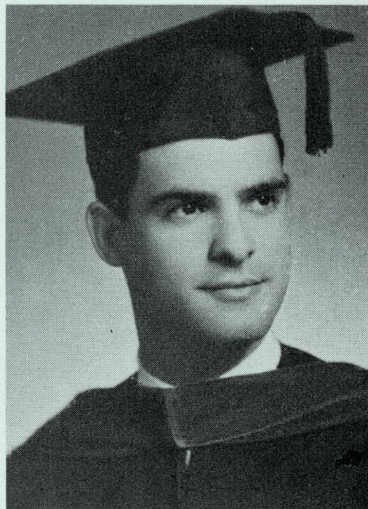
Photography Club 57-59, 60-61
Corporation, Class of 1961
Finance Manager 59-61
Business Section of Review 59-60
Manager 60-61
Business Section of Yearbook 59-60

ELIE UWAYS
Beirut, Lebanon

Music and Art Committee 59-60
Art Committee 60-61

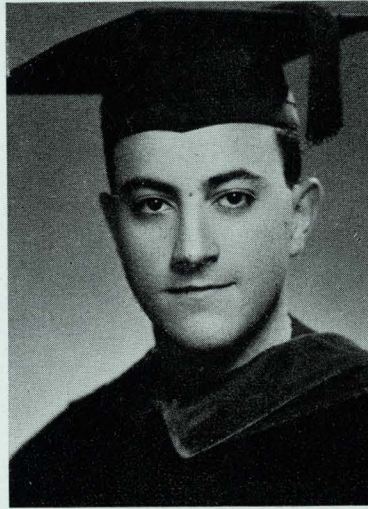


**CANDIDATES
FOR THE
BACHELOR OF
ENGINEERING
MAJOR
MECHANICAL**



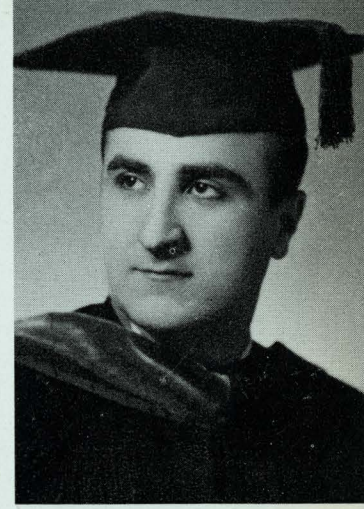
GHASSAN BIRBARI
Beirut, Lebanon

Softball minor league 58-59
Basketball minor league 59-61
Football minor league 57-61
Physics Math Society Member 57-60
Physics Math Society Treasurer 59-60
Judo Manager 60-61
Judo Team 60-61
Chess Sub-committee 59-61
Show Committee; Gadget Section 59-60
Chess Committee 59-61



NADIM GHARGHUR
Cairo, U.A.R.

Yearbook business section manager 60-61
Softball major league 57-61
Tennis major league '61
Show; Script Writing Committee & Director 60-61
Member E.S.C. Summer '59
Engineering Outlook Reporter '61

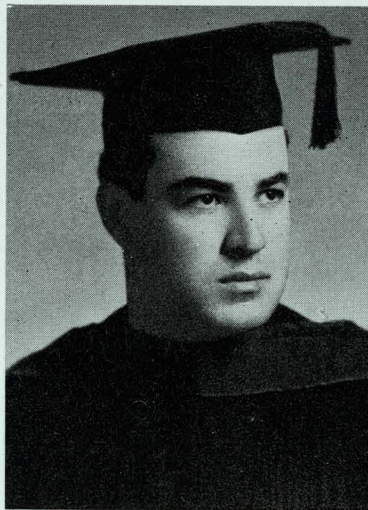


BAHJAT HAJJ
Mansourieh, Metn, Lebanon

Yearbook Assistant Manager '61
Acted in the E.S.S. Show '61

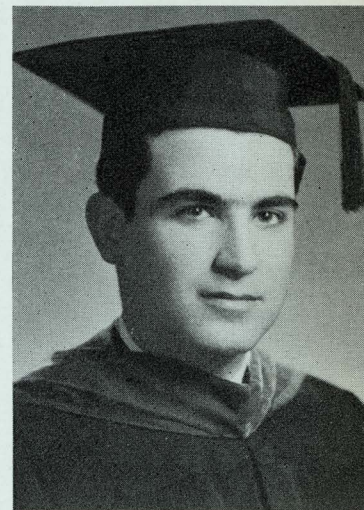


KAMIL HASSAN
Atrine Al Shouf, Lebanon



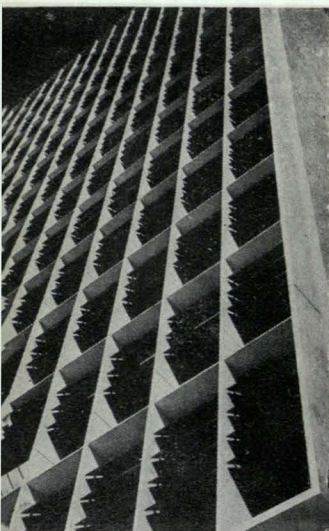
NADIM MUSA
Jaffa, Palestine

Show Committee 57-58, 59-60
Literary Committee Member 58-59
Summer Camp Committee 58-59
Ball Committee 59-60
C.W.L. Member 56-60
Stage Manager 60-61
Review Committee 60-61



WAJIH SULAYMAN
Jerusalem, Palestine

Track & Field Team 57-61
Reporter Extra-Curricular Evaluation Committee 59-61
Captain of Track & Field Team 60-61
Athletic Committee —
Engineering 60-61
Show Committee Manager of Properties on Stage 60-61
Yearbook Business Section 58-61
Manager of Yearbook Business Section 60-61
Review Business Section 60-61

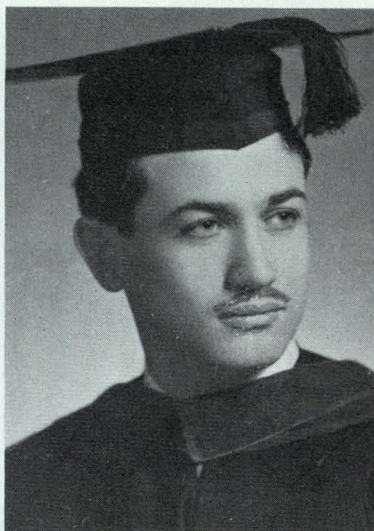


CANDIDATES FOR THE BACHELOR OF ARCHITECTURAL ENGINEERING



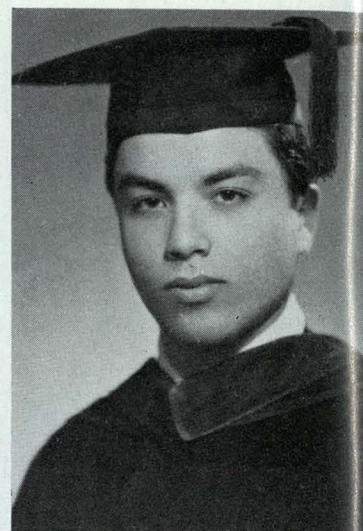
KAMAL AHMAD
Khartoum, Sudan

Chairman of Survey Camp
Committee '58
Yearbook 58-60, Assistant Editor 60-61
Outlook reporter 59-60
President, Engineering Students
Corporation 60-61
Judiciary Committee 60-61
Extra-Curricular Activities
Committee 60-61



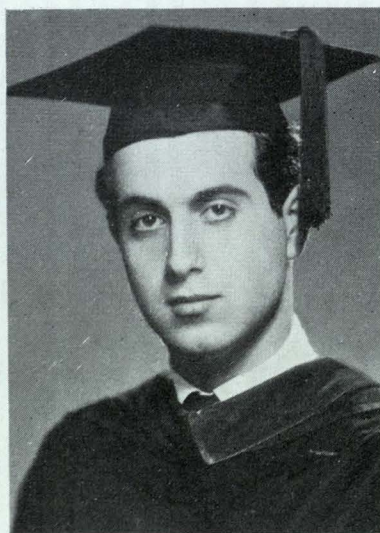
ANTOINE BITAR
Aleppo, Syria, U.A.R.

Chairman — Art Committee 59-61
Layout assistant — REVIEW 59-61
E.S.S. Trip Committee 60-61
Christmas Ball, Decoration 59-61



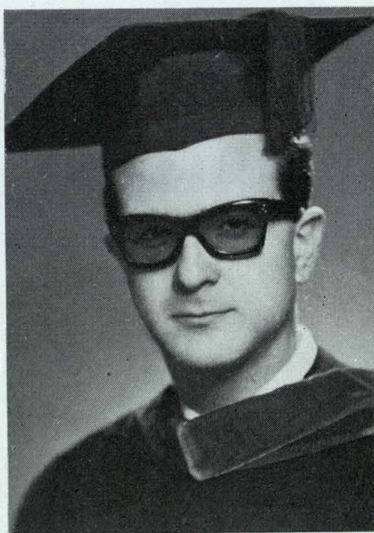
VAHE GUEKGUEZIAN
Beirut, Lebanon

Basketball Minor League 58-59
E.S.S., Art Sub-Committee 59-60
Yearbook Layout Section 58-60;
Co-Manager 60-61
Art exhibitor 58-61
Ball and Show Decoration 58-61



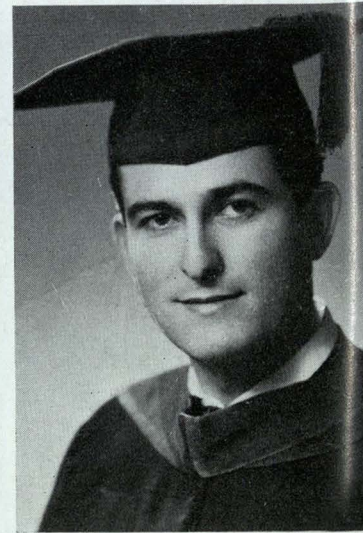
OHANIC MANOUKIAN
Tripoli, Lebanon

Basketball & Volleyball minor league
57-61
Show Committee; Assistant dress
manager 59-60; Dress Manager 60-61
Review Committee; Layout section
59-61



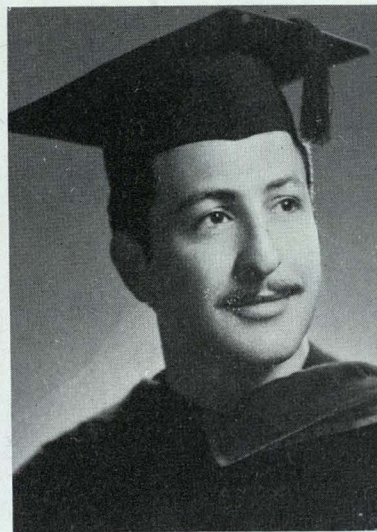
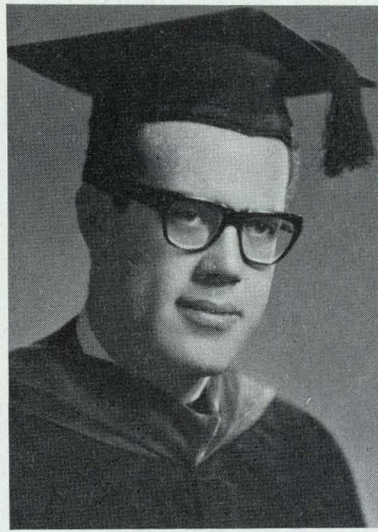
EMANUEL SOTIROPOULOS
Damascus, Syria, U.A.R.

Yearbook Photography Section 58-61
Art Exhibitor 58-61
Ball and Show Decoration 58-61



ISMAT TAYMANI
Accra, Ghana

Volleyball major league 58-60;
Captain 60-61
Fencing Committee 58-59
Posters' Manager 60-61
A.U.B. Photography Club 60-61
Football minor league 58-61
Basketball minor league 58-61
Athletics Committee 60-61



HANI HAKKI
Amman, Jordan

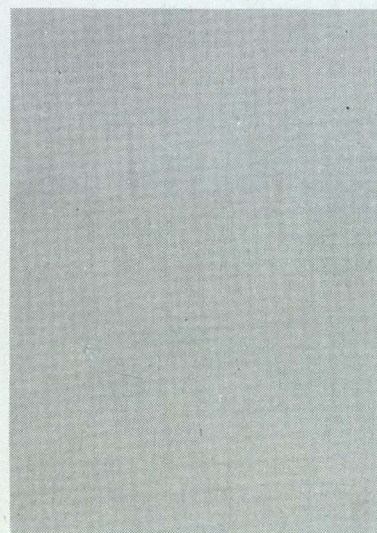
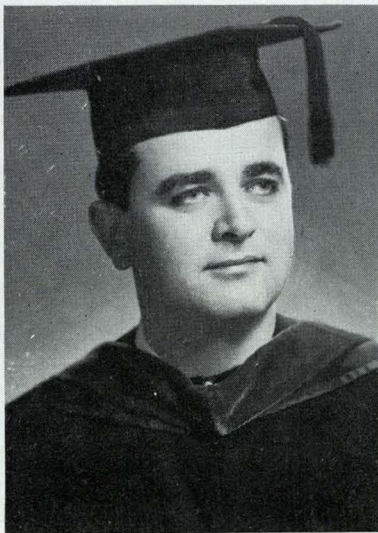
Yearbook Layout 58-60;
Co-Manager 60-61
Show Make-Up Manager 59-61
Review Layout 60-61, Manager
A.U.B. Photography Club,
Member 60-61
Ball decoration 59-61

IHSAN KANJ
Nazareth, Palestine

Basketball & Volleyball major league
& Minor league 57-61
Volleyball varsity 57-59
Basketball varsity 58-61

NAIL MALHAS
Amman, Jordan

Engineering Football minor, league,
major league 57-60; captain 60-61
Varsity Football 59-61
Ball Committee 59-60
Show Traffic Manager 59-60
Show Back Shops 60-61
Athletic Committee Member 60-61



CAROL TAYYAR
Bsous, Lebanon

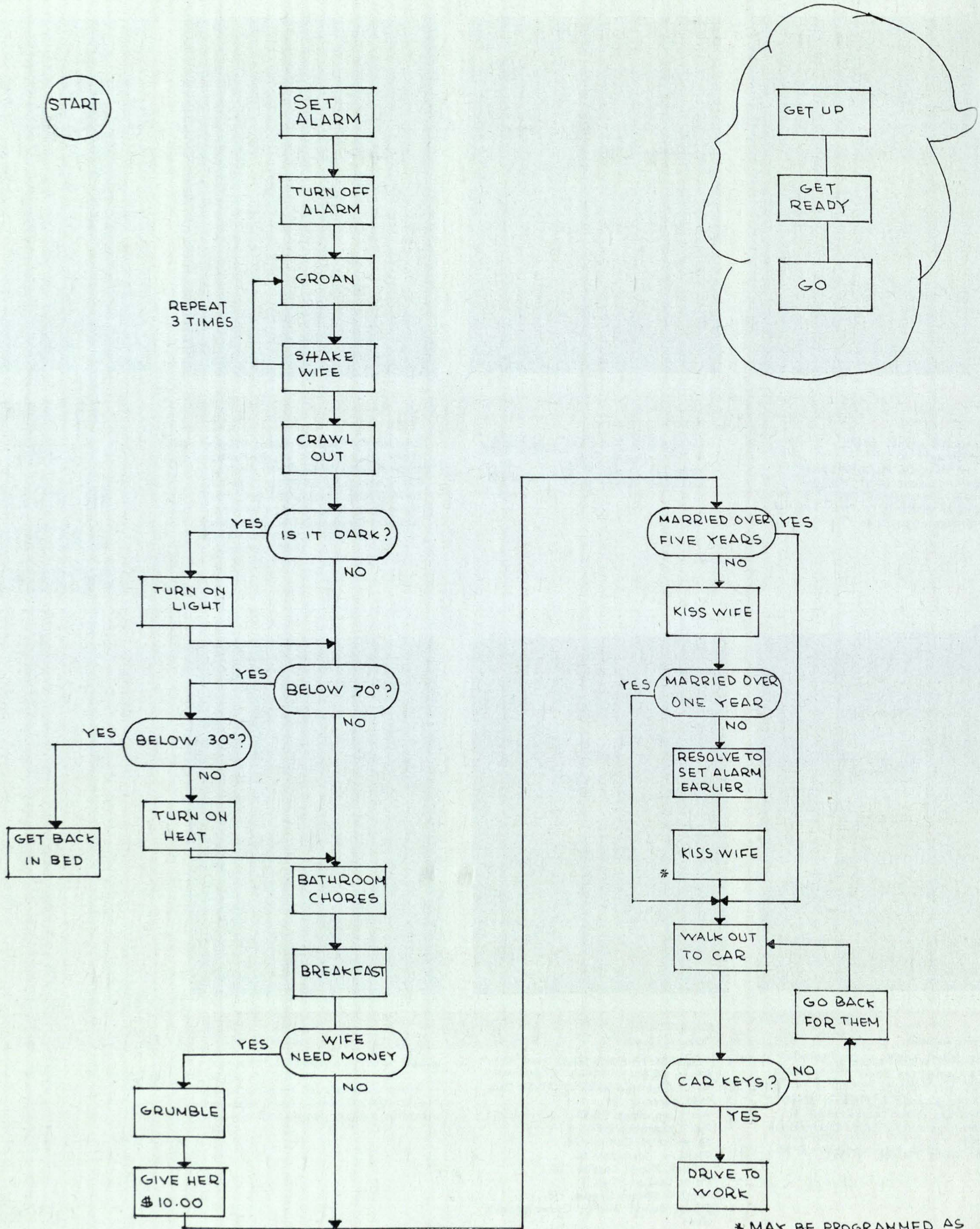
Volleyball major league 57-59
Art Committee 58-59
E.S.S. Art Exhibitor 57-60
Fencing Captain & Manager 57-60
Basketball minor league 58-59
Show Committee (Stage Decoration)
57-58
Life Saving Member 57-58

RAMSEY ZEINE
Beirut, Lebanon

Yearbook Editorial 58-60,
Editor 60-61
Art Committee 58-59, E.S.C. of Class
1961 Summer '58
Art Committee 58-59
Ball Decoration 59-61
Show-Script Committee,
Assistant Producer '60
Softball Minor League '58,
Major League 59-61
Football Minor League '58,
Scouts Beirut district Commissioner
60-61

URGENT ADVICE TO GRADUATING CLASS

HOW TO GET TO THE OFFICE IN THE MORNING



* MAY BE PROGRAMMED AS ANOTHER DEAD END

THE ENGINEERS



Who is the man who designs our pumps
with judgment, skill and care?
Who is the man that builds 'em and keeps
them in repair?
Who has to shut them down because the
valve seats disappear?
The bearing-wearing, gearing-tearing,
mechanical engineer.

Who buys his juice for half a cent and
wants to change a dime?
Who, when we've signed the contract,
can't deliver half the time?
Who thinks a loss of twenty-six per cent
is nothing queer?
The volt-inducing, load-reducing
electrical engineer.

Who is it takes a transit out to find a
sewer to tap?
Who then with care extreme locates the
junction on a map?
Who is it goes to dig it up and finds it
nowhere near?
The mud-bespattered, torn and tattered
civil engineer.

Who thinks without his products we
would all be in the lurch?
Who has a heathen idol that he designates
research?
Who tints the creeks, perfumes the air and
makes the landscape drear?
The stink-evolving, grass-dissolving
chemical engineer.

Who is the man who'll draw the plan
for anything you desire?
From a trans-Atlantic liner to a hairpin
made of wire?
Who "ifs" and "ands," "hows" and "buts",
who makes his meaning clear?
The work-disdaining, fee-retaining
consulting engineer.

Who builds a road for fifty years that
disappears in two?
Then changes his identity so there's no
one to sue?
Who covers all the traveled roads with
filthy, oily smear?
The bum-providing, rough-on-driving
highway engineer.

Who takes the pleasure out of life
and makes existence hell?
Who'll fire a real good-looking one
because she cannot spell?
Who substitutes a dictaphone for
coral-tinted ear?
The penny-chasing, dollar-wasting
industrial engineer.

Contributed by
Raja HALAZUN '60



summer of class of 1961



glimpses...

Somewhere on the roads of Lebanon a car was speeding crazily. Suddenly it crashed into another car which came from nowhere. From among the twisted steel of the two wrecks Varoujan Tourian was pulled out, his chin bleeding, his suit torn, his moral very low. "What's wrong? the doctor asked him. Varoujan was furious, "Don't you see it was a new suit?"

... For many days Bassam Mimary, who was working with the government, went sheepishly to the man behind the table and asked for all sorts of directions and simple permissions. The man behind the table ordered Bassam around like a boss, Bassam obeyed like an office boy. One week later Bassam discovered that he had been employed as a boss of the works and the man behind the desk was his office boy.

... In London Joseph Nawfal met Sana Abdus-Sammad in Soho. In Paris they met in Pigalle. In Rome they met in the Park.

... Hani Hakki and Nail Malhas had one umbrella in London. They did not like it so they decided to buy a car. "It has good steering and costs £ 25 only" said the salesman pointing to a weird looking thing on wheels. They bought it but no sooner had they gone a short distance than it started to rain... outside and inside. The boys had no choice, one had to drive and the other carry the umbrella.

... Somewhere deep in the Sahara desert there was a tall palm tree. Next to it was Ihsan Kanj in a miserable condition. The steel instruments he was using had become so hot he could not touch them.





The car he had come in was radiating heat like a burning coal. Ihsan had no choice, he had to wait for a camel to pass by and take him to town.

In London, Ismat Taymani was seen speeding in a car, after him was a Policeman on a motorcycle, after the policeman came Tony Bitar on a motorcycle, after Bitar came another policeman.

On a rocking ship Kamal Haddad looked at the groaning yellow-blue and green face of Wajih Suleiman. He then ran to the railing next to the other students and sent his lunch to the fishes.

The waiter at a Champs-Élysées sidewalk restaurant looked down at Ghassan Birbari who was trying to tell him something. Next to Birbari was Bahjat Hajj who was sweating hard and needed cold water badly. When the order finally arrived it was hot tea with additional boiling water.

In the room there were three angry workers and Anis Hilu. They had decided to teach him a lesson. When the dust cleared, there was only Hilu in the room with some broken glass. Outside were the three workers sleeping peacefully. Later Hilu was heard singing "Judo is the thing for me".

Kamil Hassan got into an argument with an Englishman who was talking about cars while Kamil was talking about air conditioning.

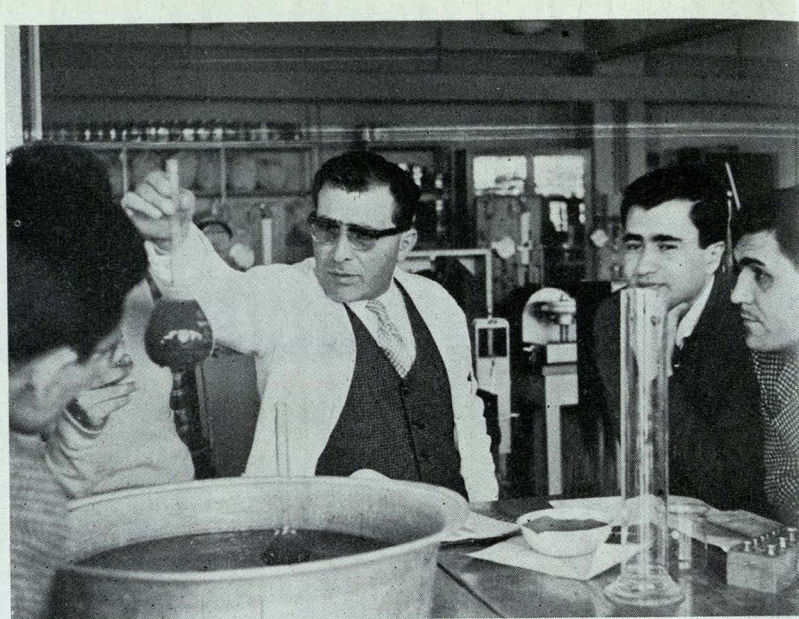
When the tornado struck the site in Kiswa and carried all the sheds away except one, the chief Engineer rushed to it to find out what equipment was saved. Instead of equipment, he found Hanna Hawwa. The Engineer was disappointed.

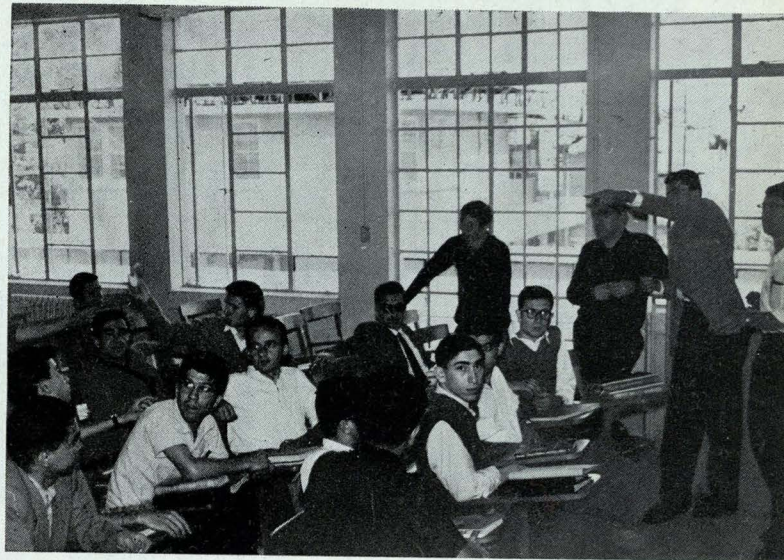
It was a tragedy. Vahe and Joseph Istfan had gone all the way to Paris directly to the firm where they had applied and were informed that there were no more places for them. The boys said "but" the firm said "sorry cannot". Immediately afterwards they happened to pass by the beautiful structure of the Eiffel Tower, to them, however, it appeared as a junkyard of rusted iron.

Ramzi Sambar was seen in Paris looking for work in a bar.

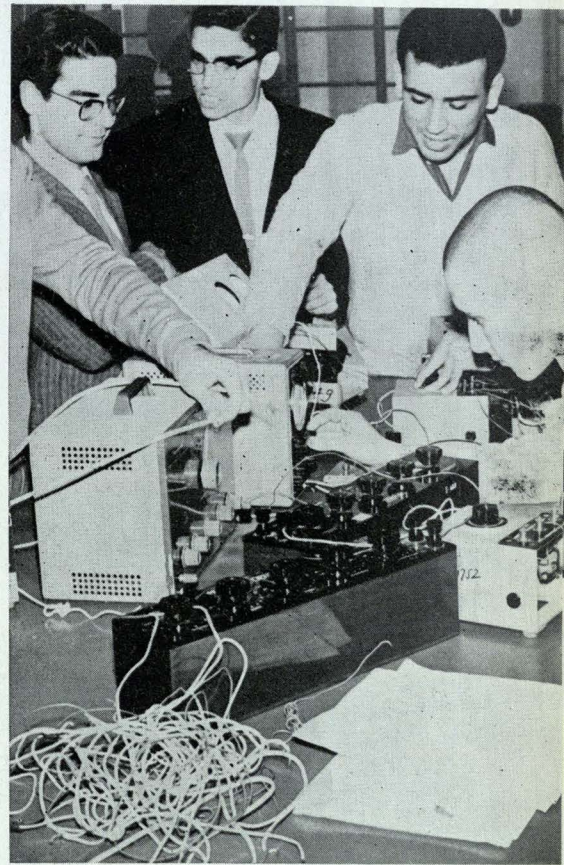
Wearing the smart Engineering blazers and badges and carrying cameras with binoculars, Jarir Dajani, Eli Banayan and Mustafa Barazi were eagerly invited by the door man to enter into a first class night club in Athens. Inside they were served excellent food and drinks. When they finally asked the waiter why everybody was so kind, he said, "why, are you not the rich American tourists who had made reservations with us? During the next few hours the trio washed dishes and later slept in the park.

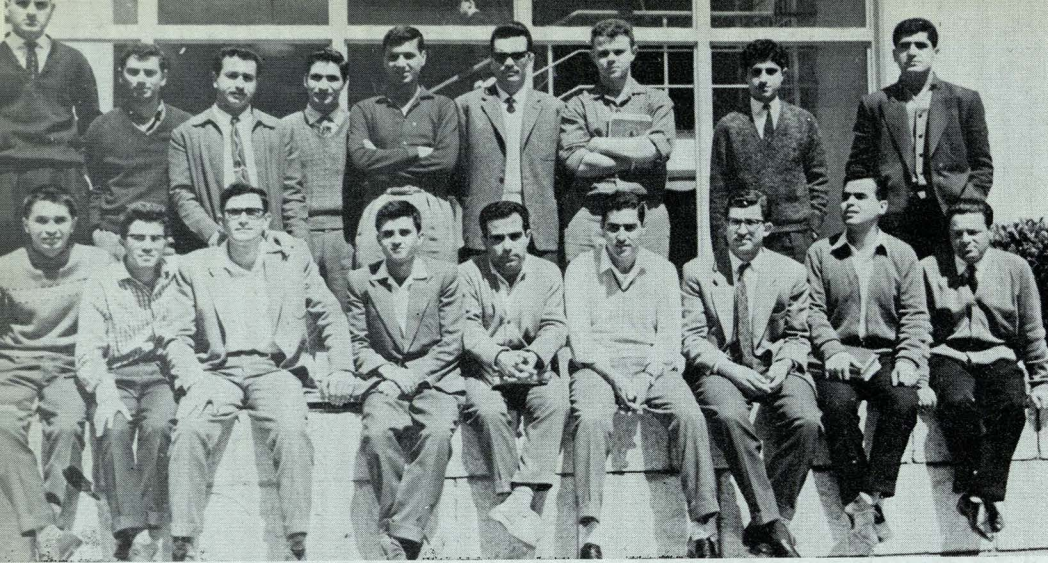






CLASS OF 1962





CIVIL SECTION I

1st Row (From left to right)

JAWHARI, ALI
Deir-elzor, Syria, U.A.R.
E.S.C. 1962

KABBANI, MUHAMMAD
Beirut, Lebanon

KABAKIAN, VAHE
Aleppo, Syria, U.A.R. (Lebanese)

ABDUL-BAKI, DURYAD
Ainball, Lebanon
Judo

MAKHKHUL, IBRAHIM
Safita, Edideh, Syria, U.A.R.
Yearbook, Judo

KARAMAN, SAB
Haifa, Palestine

KASIM, RASHID
Kabri, Acre, Palestine
Volley Major and Minor League,
E.S.C. 1962,

C.W.L. Photography Club

JURAYDINI, MAURICE
Majdalouna, Lebanon
Chess Committee, Volley Major
League, Captain Minor League,
Swimming Team, Football
Minor League

ALAMUD-DIN, Muh. Muwaffak
Tripoli, Mebanon
Secretary of the photography
Club. A.U.B.

2nd Row (From left to right)

HAMIYYAH, ADIL
Beirut, Lebanon
Yearbook Review, Judo

JABIR, AMAL
Ain-Ksour, Lebanon
Ball Committee, Review Com-
mittee, Softball Major League,
Football Minor League

ALAGHA, ELIE
Bttram, El-Koura, Lebanon

JAHSAN, BISHARAH
Jaffa, Palestine
Softball Major League, Football
& Volleyball Minor League,
Track & Field & Water Sports
(Diving)

ABDUN-NUR, JAMAL
Aley, Lebanon
Basketball Minor League

FARSHI, BEHROOZ
Tehran, Iran

CRITICOS, GERASIMOS
Athens, Greece
Yearbook Committee, Review
Committee, Corporation 1962,
Ball Committee, Water Sports
Team Captain, Athletic Com-
mittee, Basketball Minor League

HAWWA, ILIAS
Hadeth, Beirut, Lebanon
Yearbook Committee

JAWARU, GEORGE
Zahle, Lebanon

IN ABSENTIA

GRESS, MAURICE
Jerusalem, Palestine
Yearbook Committee

KANDIL, IBRAHIM
Beirut, Lebanon
Track & Field Major League,
E.S.C. 1962

DIRATZOUYAN, HAROUTUNE
Alexandrette, Turkey
(Lebanese)
Football Minor League

class of 1962



ARCHITECTS

From left to right

ISA, ROBERT
Bsous, Lebanon
Review Committee,
Yearbook Committee,
Corporation 1962

MUSALLI, SIMON PIERRE
Aleppo, Syria, U.A.R.
Music Committee,
Show Committee, Glee Club,
Maestro of E.S.S. Band

SALHAH, FRANÇOIS
Sour, Lebanon

ALI, MUHAMMAD
Calcutta, Pakistan
Art Committee, Outlook

ABU-SULAYMAN, JOSEPH
Mtein, Lebanon
Ball Committee

SAYKALI, ROGER
Beirut, Lebanon
Review Committee, Judo Team

KHURI, EDMOND
Jerusalem, Palestine
Yearbook (Layout)

KANAFANI, NABIL
Haifa, Palestine
Outlook Reporter,
Yearbook (Layout),
Show Script Committee,
Track and Field Team,
President A.U.B. Music Club



CIVIL SECTION II

1st Row (From left to right)
MUSALLAM, IMAD
Marjeyoun, Lebanon
NAJA, ABDUL-MAJID
Beirut, Lebanon
 Football Minor League
MAZLUMOLHOSSEINI, A. Asghar
Shiraz, Iran
 Chess Committee
ZAKHIM, ABDALLAH
Deddeh, El-Kura, Lebanon
 Chess Committee
SHORVOGLIAN, NOUBAR
Aleppo, Syria, U.A.R.
 Show Committee,
 Trip Committee
SAYYID, FUAD
Haifa, Palestine
 Chess Committee

YAMUT, ZIYAD
Beirut, Lebanon
 Review Committee
MASAD, CLAUDE
Achkout, Kesrouan, Lebanon
 Yearbook Committee,
 Ball & Reception,
 Show Committee
MURAD, ZIYAD
Irbid, Jordan
 Yearbook Committee, E.S.S.
 Slide Projection Committee
 2nd Row (From left to right)
SAD-UD-DIN, RIYAD
Acre, Palestine
SAD, MATYA
Jerusalem, Palestine
 Yearbook (Photography)
MATTA, ALBERT

Bhandoun, Lebanon
 Review Committee,
 Show Committee
SHAMMAS, NAZIH
Homs, Syria, U.A.R.
 Show Committee
WAFI, MUH. ZUHAYR
Jaffa, Palestine
 Corporation of 1962,
 English Literary Sub-Committee
TENEKJIAN, VAROUJAN
Aleppo, Syria, U.A.R.
 E.S.S. Treasurer,
 Chairman of Show Committee
 General Knowledge Team
MOULANA, EASA
Isfahan, Iran
 Chess, Judo
SHIBL, HISHAM

Acre, Palestine
 Corporation (Chairman),
 English Literary Sub-Committee
 (Chairman), Show Committee,
 Track & Field Major League
IN ABSENTIA
MELIDONIAN, HOVHANNES
Beirut, Lebanon
 Engineering General Knowledge
 Team, Engineering Tennis Team,
 A.U.B. Ping-Pong Champion
MUNAYMINAH, SAMIH
Beirut, Lebanon
 English Literary Sub-Committee
SHABARIK, ABDUL-MAJID
Aleppo, Syria, U.A.R.
ZAYN, NAZIH
Saida, Lebanon
 Judo Team

MECHANICALS

Left to right
KUDSI, MUH. FARID
Aleppo, U.A.R.
 Extra-Curricular Activities
 Committee
LABABIDI, FARUK
Beirut, Lebanon
 E.S.C. 1962,
 Business Section Review
SHILBAYAH, ABDUR-RAHIM
Nablus, Jordan
 Track & Field (Captain)
 Athletic Committee, Member
 Football Major League and
 Varsity, Tennis Major League,
 Arabic Literary Committee
GARBOUSHIAN, GARABED
Beirut, Lebanon
 Yearbook Committee,
 Judo, Show



ELECTRICALS

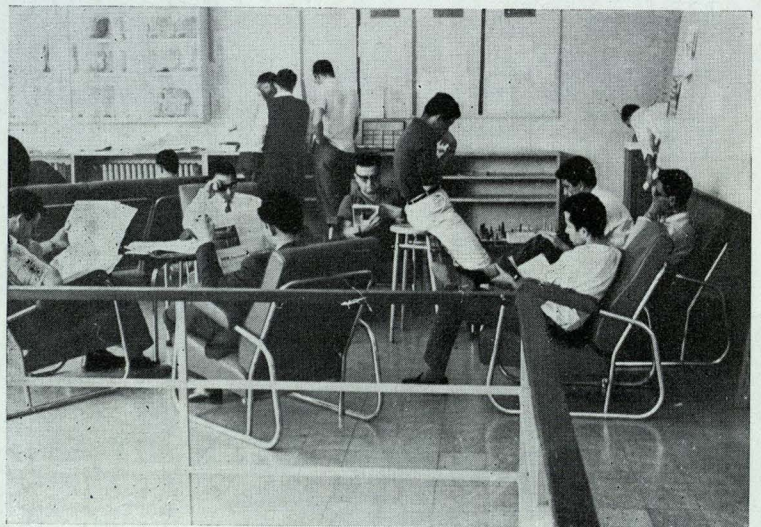
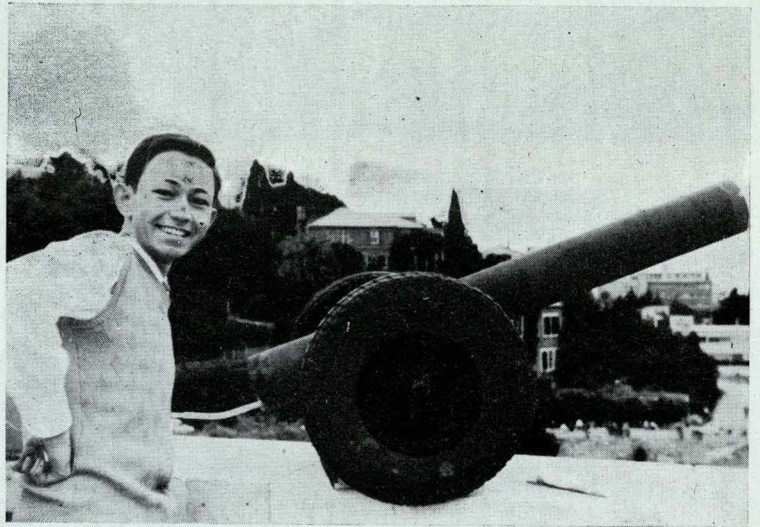
1st Row (From right to left)
HITTI, MICHEL
Beirut, Lebanon
 Review Business Section,
 Volleyball Minor League
MANDJIKIAN, ZAVEN
Damascus, Syria, U.A.R.
 Ball Committee,
 Show Electric Works
JALBUT, SUHAIL
Khiam Marjoun, Lebanon
 Judo Team, Trip Committee
TALI, USAMAH
Beirut, Lebanon
 Ball Committee (Secretary),
 Show Gallery Manager,
 Judo Team, Review Press
ANAVY, RALPH
Beirut, Lebanon
 Softball Major League,
 Judo Manager (Summer),
 Judo Exhibition Team, Show
 Committee (Gadgets) & Cast,
 Ball Committee, Scouts,
 Basketball Minor League
 2nd Row (From right to left)

TUMAH, GEORGE
Safad, Palestine
 Ball Committee (Chairman),
 E.S.S. Associate Secretary,
 Show Committee, (Property
 Manager), Cultural
 Committee (Vice President)
GHANDUR, ZIYAD
Beirut, Lebanon
 Extra-Curricular Activity (A.M.),
 Basketball Varsity, Track & Field,
 Review Technical Editor,
 Corporation '62, Athletic Com.,
 Bulletin & Research Committee
VAROUTAS, PANAYIOTIS
Athens, Greece
 Review Business Section
ISPIRIDUN, ALEXANDER
Hama, Syria, U.A.R.
 Review Technical Editorial,
 Bulletin Committee,
 Corporation '62, Show Com.
SIDDIQI, MUTIUL HAQ
Delhi, India
 Literary English Committee,
 Hockey

HADDAD, EMILE
Acre, Palestine
 E.S.S. Vice President,
 Cultural Committee (Chairman),
 General Knowledge Team,
 Bulletin Committee,
 Track & Field Team
SHURAYM, GEORGE
Fakieh-Bekaa, Lebanon
 Literary Arabic Committee,
 Track & Field Team,
 General Knowledge Team,
 Review Technical Editor,
 Bulletin Committee
BARAZI, MUSTAPHA
 Football, Basketball, Volleyball,
 Baseball, Track & Field (Major
 League), Basketball Varsity,
 Yearbook Manager,
 Athletic Committee
IN ABSENTIA
KAMAR, JACK
Junieh, Lebanon
 Review Business Section,
 Judo Team



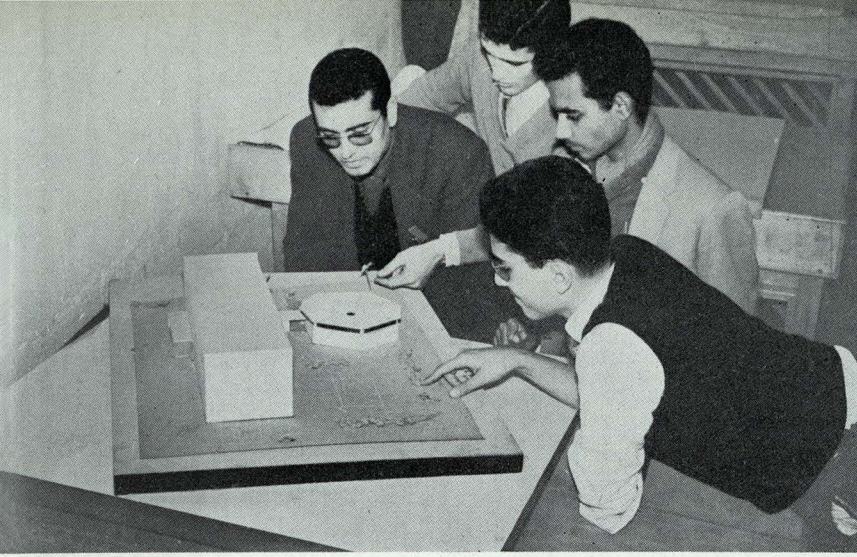
AROUND



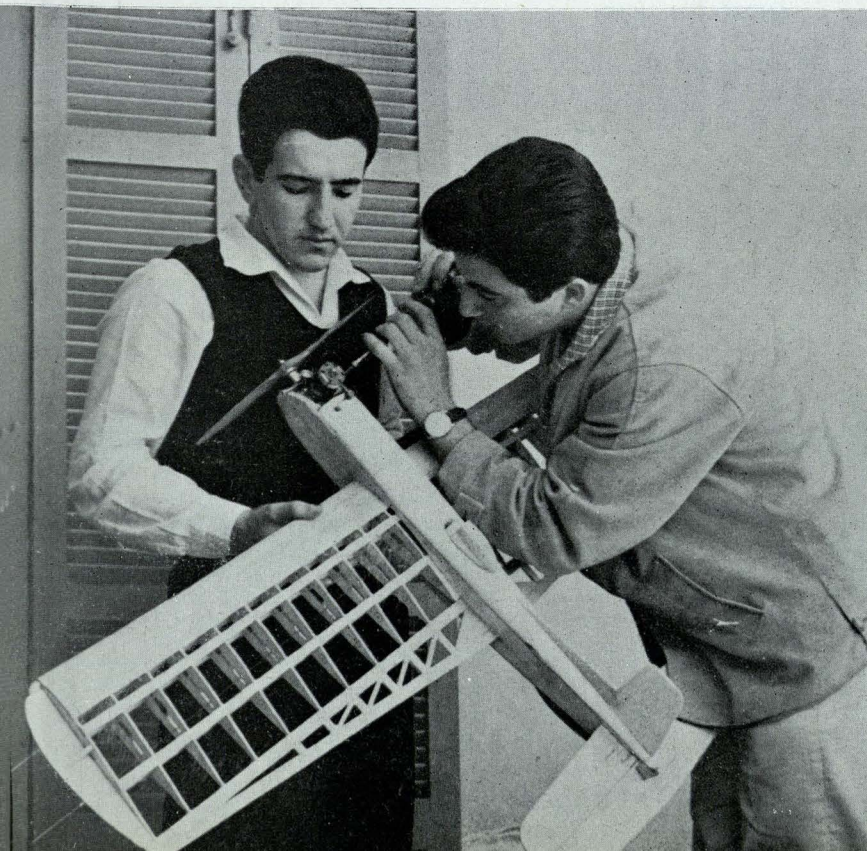
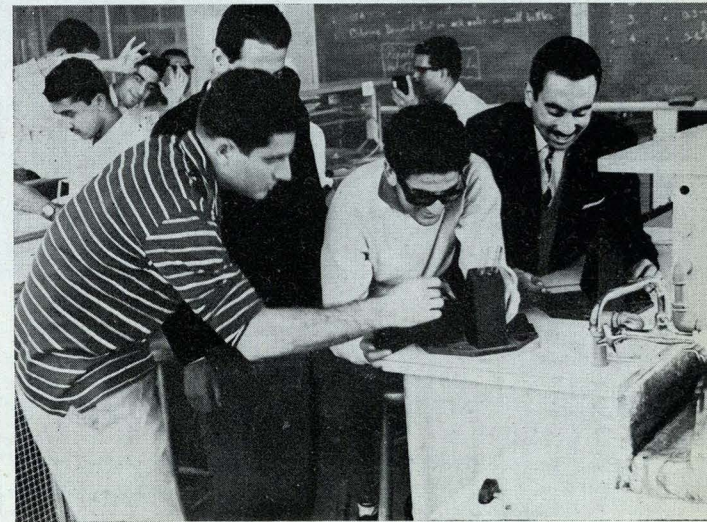
THE SCHOOL







CLASS OF 1963



class of 1963



2nd Row (From left)

HADDARAH, ISAM
Dahr-Haddarah, Akkar, Lebanon

KAZMA, NICOLAS
Damascus, Syria, U.A.R. Corporation

GHANNUM, MICHEL
Idlib, Syria, U.A.R. (Lebanese)

DARGAWTH, KAMAL
Beirut, Lebanon
Yearbook Photography Section,
E.S.S. Music Sub-Committee

GESSESSE, FISSIHA
Addis Abeba, Ethiopia

EL-ISA, SIMON
Jaffa, Palestine

EL-ID, AKRAM
Baadleen, Lebanon
President of E.S.C.,
Show Committee

HAMDAN, ANAN
Qysarya, Haifa, Palestine

KHURI, ILYAS
Buqaya, Palestine

1st Row (From left)

HOURI, USAMA

KHAN, ATA MUHAMAD
D.G. Khan (W. Pakistan)
Hockey Major League

KHURI, RAYMOND
Chyah, Lebanon
Bowling Club, Football,
Track & Field

KASSAB, ANTOINE
Salima, Lebanon
Volleyball Major League

KADI, ADIL
Beirut, Lebanon
Shooting, Archery

KHAYYAT, MICHEL
Casablanca, Morocco
Photography Section, Yearbook

HILU, NASIM
Maghta el Hilu, Syria

IN ABSENTIA

KAWAR, SAMIR
Jabal-Amman, Amman, Jordan
Ball Committee,
Show Committee

FADLI, MARWAN

SECTION I

1st Row (From left to right)

BARDAKJIAN, HENRY
Gaza, Palestine
Football Minor League

DAJANI, AMIR
Jaffa, Palestine

BALIAN, ARA
Beirut, Lebanon
Art Sub-Committee,
Football Minor League

ANABTAWI, NABIL
Jaffa, Palestine
Swimming Team, Basketball

ANDRAWUS, GEORGE
Beirut, Lebanon
Tennis Minor League,
Music Sub-Committee

2nd Row (From left)

BADAWI, MANU
Hassake, Syria, U.A.R.

ANDREATOS, JOHN
Athens, Greece

ABU-GHANNAM, MUSA
Beirut, Lebanon
Yearbook, Basketball,
Football Minor League

BADRI, YUSUF
Omdurman, Sudan
Football Major-Minor League

ABDUL-KARIM, ABIDIN MUH.
Berber, Sudan
Football Minor League

ATWAN, AHMAD
El Khader, Jordan

IN ABSENTIA

ABDALI, SYED KAMALUDIN
Patna, India
Yearbook, Hockey

ABIDIN, RAMZI
Damascus, Syria, U.A.R.

AVEDIAN, HRAYR
Aleppo, Syria, U.A.R.

BAKIZADAH, MUHAMMAD
Beirut, Lebanon
Music Sub-Committee

BUKHARI, MUHAMMAD
Abuzabad, Sudan
Football Minor League

BULUS, BASIM RAIF
Nablus, Palestine

SECTION II



ARCHITECTS

1st Row (From left)

HASHIM, ABUL-FAKHER MUH.

Patna, India
Yearbook, (Managerial Com.),
Chess Committee, Hockey Team

SCAMANGA, ANTOINE

Damascus, Syria, U.A.R.
General Knowledge Team,
Tennis Major League,
Show Committee

ANDRAWUS, FARID

Beirut, Lebanon
General Knowledge Team '63,
Corporation '63,
Art Sub-Committee

AZAR, GHASSAN

El-Husn, Jordan
Yearbook Committee,
Show Committee

MUJAIS, KAMAL

Dhour el Chouer, Matn, Lebanon

AZIMI, ESKANDAR

Beirut, Lebanon
Art Committee, Basketball

AWAD, MARIO

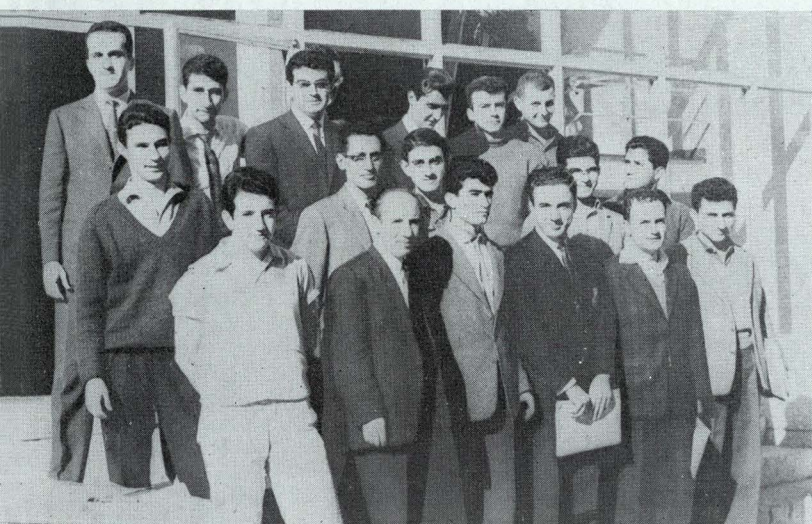
Aguascalientes, Mexico
Corporation '63

ABUL-HAYA, WILLIAM

Damascus, Syria, U.A.R.

YEHUDALAS'HET, SILES'HI

Wollega, Ethiopia
Yearbook



1st Row (From left)

UBAGI, GEORGE

Damascus, Syria, U.A.R.

SHAMMAS, IBRAHIM

Al-Bassa, Palestine
Football, Swimming, Softball,
Major League, Vice President
Bowling Club, Corporation '63,
Yearbook

UMAYSH, MUH. RABI

Beirut, Lebanon
Yearbook, Business Section

THANASSOU, SPIRIDON

Thebes Boeotia, Greece
Football Minor League

SAWAYA, TAWFIK

Lattakia, Syria, U.A.R.
Show Committee, Yearbook,
(Photography Section)

2nd Row (From left)

SIHWAYL, ISA

Ramallah, Jordan

ZAKARIAN, CROSSY

Jerusalem, Palestine
E.S.S. Cabinet Member,
Trip Committee, Treasurer,
Varsity, Softball,
Softball Major League,
Football Minor League

SAYIGH, GEORGE

Beirut, Lebanon

ZAYBAK, MAHMUD

Jaffa, Palestine
Football Minor League

YEGHIAYAN, KEVORK

Douma, Lebanon

TANNIR, ISAM

Beirut, Lebanon

3rd Row (From left)

SHALABI, YUSUF

Haifa, Palestine
Basketball Major League,
Show Committee

ZULFACAR, ASSADULLAH

Kabul, Afghanistan
Football Major League

SHADLI, KASIM

Naher, Acre, Palestine

SOSSOYAN, KEVORK

Cairo, Egypt, U.A.R.
Softball Minor League,
Chairman Bowling Club A.U.B.,
Engineering Band

KHALIFAH, HABIB

Saida, Lebanon
E.S.S., Ball Committee,
Show Committee

AS-SAID, NADIM

Jaffa, Palestine
Basketball Major League,
Trip Committee, (Secretary)

SUMADI, MUH. HASSAN

Damascus, Syria, U.A.R.

SAYKALI, NADIM

Beirut, Lebanon
General Knowledge Team '63

SECTION III

1st Row (From left)

MAVROVOUNIOTIS, NICOLAS

Beirut, Lebanon
Yearbook, Football
Engineering Major, Minor

SADIK, KHALID

Del al-Kasi, Acre, Palestine

NILFROSH, JAVAD

Isfahan, Iran

MINKARAH, AHMAD

Beirut, Lebanon
Trip Committee,
E.S.S. Band, Glee Club,
Basketball Minor Team

MURR, GABRIEL

Btegrine, Lebanon

MARUN, NAJAH

Beit-Mery, Lebanon

NAVID, ABDUL-HAMID

Shushter, Iran

MUGHABGHAB, MUNIR

Beirut, Lebanon
Basketball Minor Team

3rd Row (From left)

MUKBIL, SAMIR

Choueifat, Lebanon
Basketball Major League
Engineering Yearbook

MUHAMMAD ALI, MUH. NAIL

Haifa, Palestine
Literature Committee,
Football Engineering Major,
Football Minor, Corporation '63
Vice President

MUNAYMINAH, ZUHAYR

Beirut, Lebanon

2nd Row (From left)

MUKARZIL, ROBERT

Kahale, Lebanon
Basketball Varsity,
Basketball Major League,
Basketball Minor League
(Captain), Yearbook

AL-MANNAI, SALIM

Bahrain, Arabian Gulf

MATAR, ANTOINE

Nablus, Jordan

MATTA, FUAD

Bhamdun, Lebanon

SABBAH, MUHANNAD

Beirut, Lebanon

KOCHIRIAN, BOGHOS

Aleppo, Syria, U.A.R.

KOUYOUMDJIAN, KARNIK

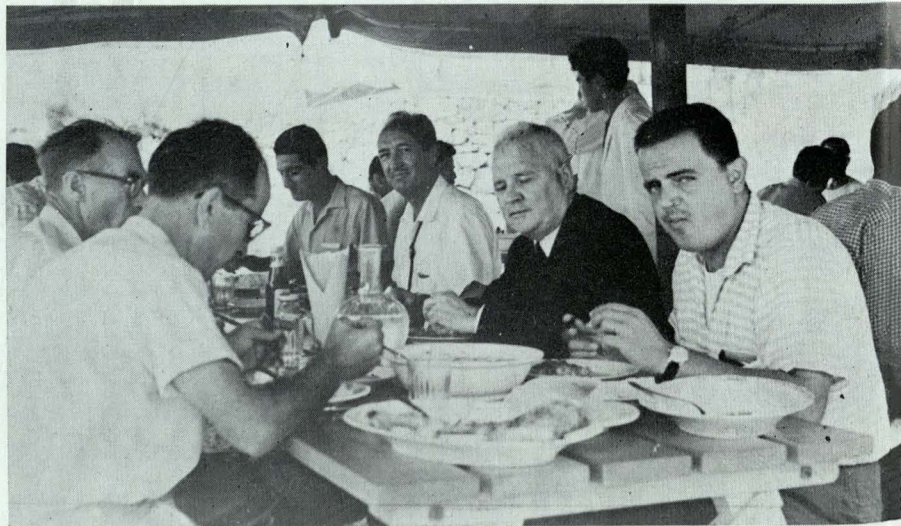
Bucharest, Roumania
Music Sub-Committee

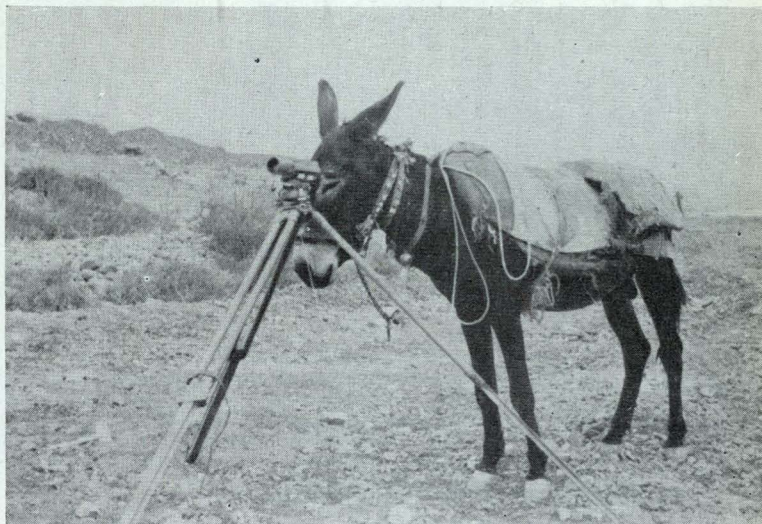
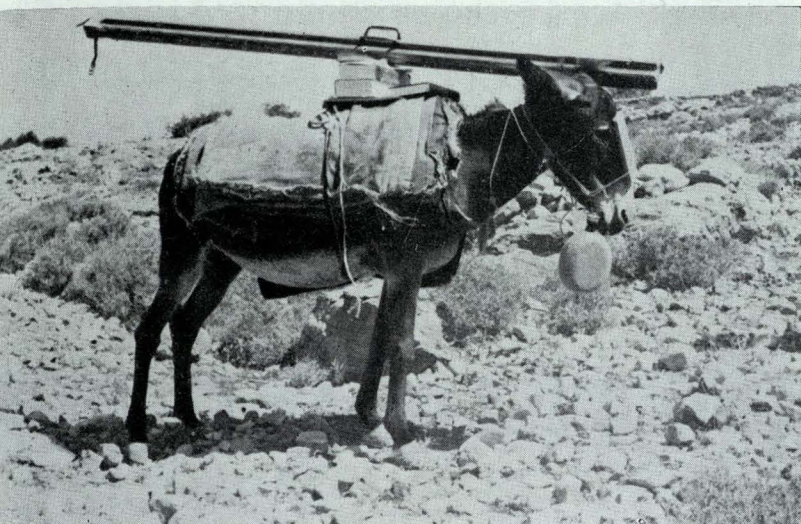
SECTION IV





SUMMER SURVEY CAMP
CLASS OF 1963





The Class of 1963 spent the last summer term in the surveying camp at Mazboud. The camp life at this isolated hilly place had little resemblance to city life. The camp was organized for surveying and transportation courses, as well as for subjecting the future engineers to circumstances they will meet later on in life. Here training was provided by partnerships in field groups and living under tents. Life followed strict discipline and routine.

Every day started with lectures, and it was only when the heads were full that the empty bellies got their share at breakfast. And many a student would hurriedly swallow big morsels in order to be at the head of the long queue waiting for Mr Khalaf to issue instruments. Going to the field, in typical camp dress, with so many attachments, looked like starting on an expedition. In the field, there was the exhausting work in the scorching sun with occasional breaks under shadowy trees. "Adventures" here were so cautious, for "every move was to be evaluated".

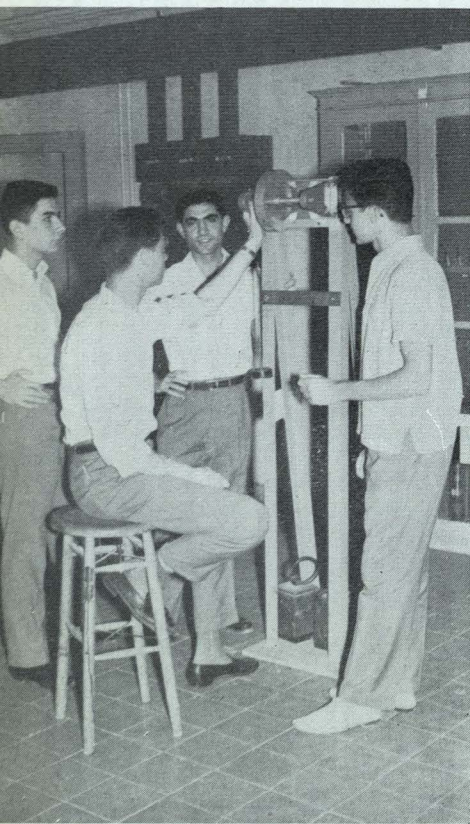
With real heroic defiance of the tyrannical sleepiness during the hot hours after a heavy lunch, one would go for office work in the tents reserved for study. Then followed the games in the playgrounds arranged in that rocky area.

The evenings undoubtedly offered the best times. There were country side walks, accordion concerts, merry chantings and dabkeh. In the frequent open-air movie shows, one could see even some bed-sheets and pillows in the front "seats". Roll call was a lively time. Wit and humour, crushed during the hot day, rose to their full at this cool hour.

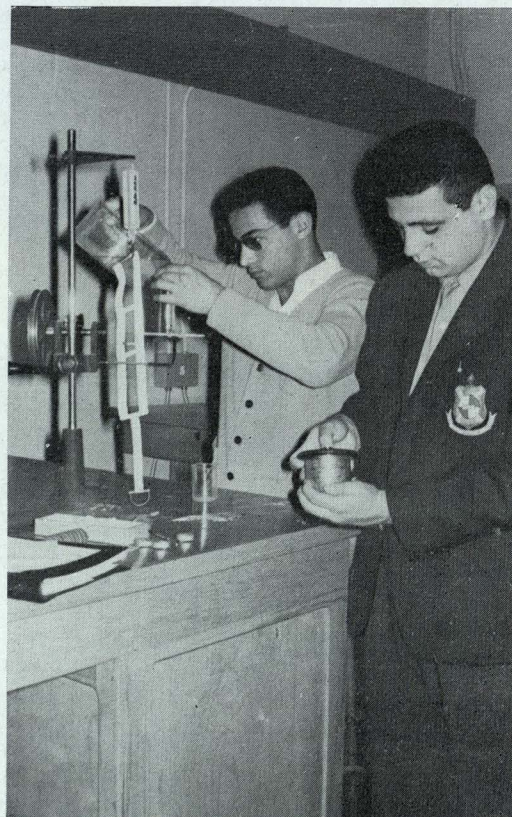
The rare leisure hours were spent in various ways. Such frequent visitors as snakes and scorpions demanded no insignificant part of attention. Cleaning of tents from these and ever-pervading dust needed considerable time. Yet many could find time for such activities as playing chess, voluntary work for well being of the whole camp area, and gardening. The place looked very different after ten weeks of hard labour.

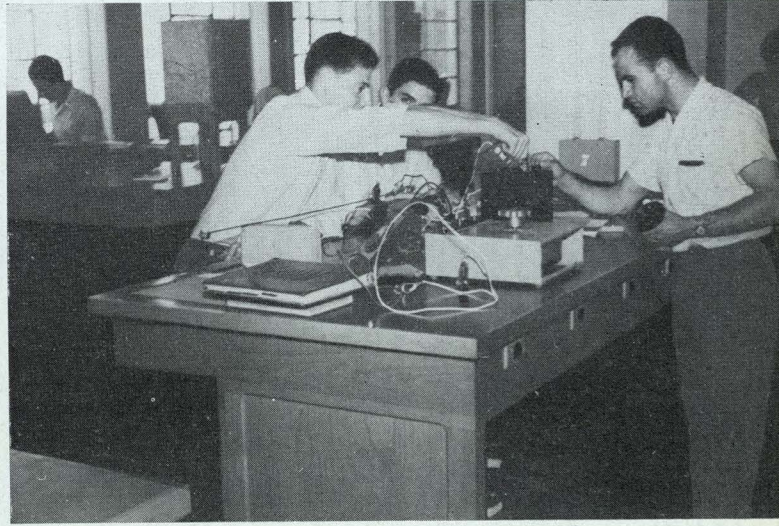
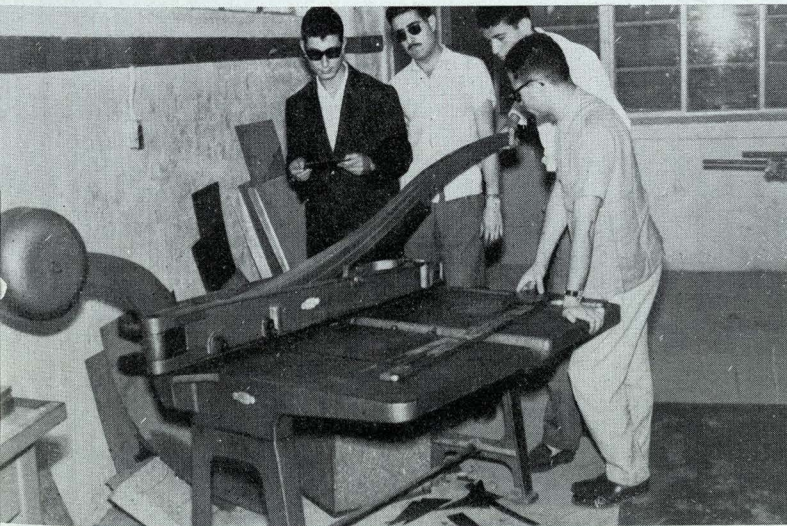
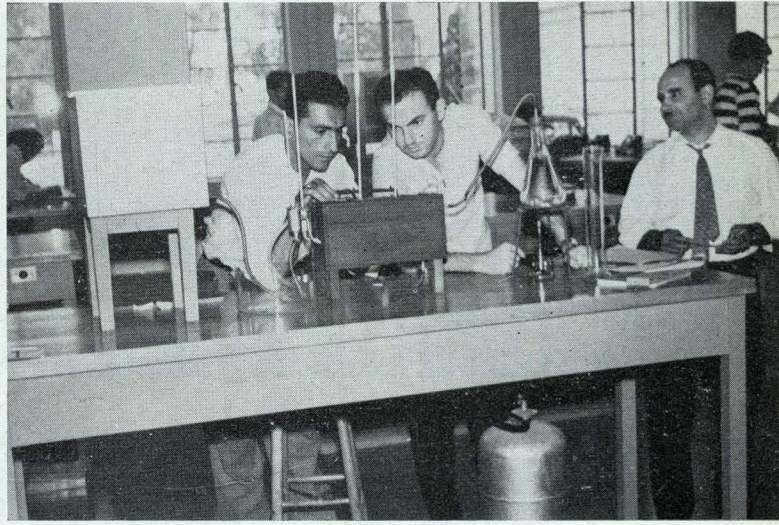
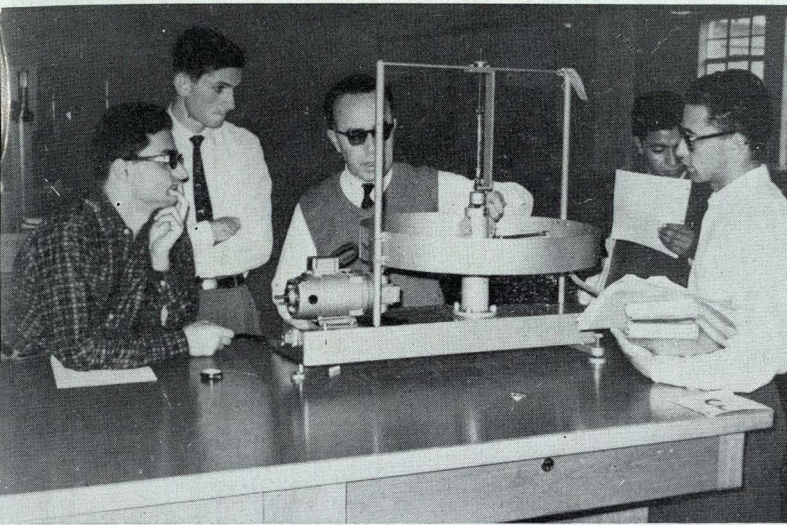
The last evening of camp was celebrated with a jolly show.





CLASS OF 1964





class

SECTION I



1st Row (From left)

FALLAHAH, ALEX

Jaffa, Palestine
Bowling (Treasurer), Scrabble,
Basketball Minor Team,
Life Saving Class, Life Guard,
Track & Field

DEMIRDJIAN, Hagop Zohrab
Aleppo, Syria, U.A.R.
Ping-Pong Club

AWAD, HANNA
Acre, Palestine

ATTALAH, MICHEL
Nabiyeh, Elmetn, Lebanon

ALUF, RAMIZ
Baalback, Lebanon

BIKHAZI, ANWAR

Accra, Ghana
Physics Mathematic Club

ASSAF, SHARIF

Mimza, Palestine

2nd Row (From left)

ABU-RAHMAH, SAMI

Acre, Palestine
Track & Field,
Basketball Minor Team

FARHAT, RAIF

Gobeireh, Lebanon

GHOBRIL, SUHAYL

Hasbaya, Lebanon

BADAWI, ISAM

Tarshina, Acre, Palestine

BIKHAZI, GEORGE

Beirut, Lebanon
Physics & Mathematic Club,
Track & Field

ABU-HASHIM, RAYMOND

Aley, Lebanon

BARBIR, NAJI

Cairo, Egypt, U.A.R.

BAZZI, RAMZI

Tyre, Lebanon
Basketball Minor Team

3rd Row (From left)

DAUK, RAMZI

Beirut, Lebanon

BATSHUN, SAMIR

Jaffa, Palestine
Bowling Club (Secretary),
Scrabble Club (Treasurer),
Basketball Minor Team,
Life Saving Class

BAL'A, TARIK

Beirut, Lebanon

GHANIM, NIKULA

Derkoubel, Lebanon

ABDUL-HAID, SAMIR

Jerusalem, Jordan
Basketball Minor '64

ABUR-RUS, RENÉ

Beirut, Lebanon
Tennis,



SECTION II

1st Row (From left)

JARRUJ, ISAM

Baino, Lebanon

KISHEK, GEORGE

Ramleh, Palestine

KHURI, ANTUN

Beirut, Lebanon

AL-HAMAWI, MARWAN

Beirut, Lebanon
Swimming Team Minor League

KANAFANI, ADIB

Beirut, Lebanon
Trio Team '64 G. K. Team

HADDAD, ZIYAD

Aley, Lebanon

HAJJ, HATIM

Safad, Palestine;

KALATHIAS, EFSTATHIOS

Nicosia, Cyprus
Track & Field Major League

2nd Row (From left)

HALABI, GEORGE

Jaffa, Palestine
Swimming Team Major League

KAWAR, GHASSAN

Jerusalem, Palestine
Art Sub-Committee

KAHWATI, GHASSAN

Abeche (F.E.A.)
Volleyball Major League '64
Track & Field Major League,
Basketball '64 Team

HADDAD, KAMIL

Roum, Lebanon
Volleyball, Varsity, Engineering,
Captain of '64

KANJ, SAMIR

Shiyah, Lebanon

HAMATI, RAYMOND

Tripoli, Lebanon

HAMMAD, KHALIL

Beisan, Palestine
Football Team Minor League

HAJJ, IBRAHIM

Mansourieh, Lebanon

3rd Row (From left)

KAWWA, RIYAD

Beirut, Lebanon
'64 Football Minor League

HAMMAM, NAJAD

Tripoli, Lebanon
Tennis Team Minor League

JABARAH, AMAL

Marjayoun, Lebanon

KHAWAND, ANTOINE

Saidoun, Lebanon

KASHSHU, JOSEPH

Aley, Lebanon

KILZI, JEAN

Beirut, Lebanon

IN ABSENTIA

HADDAD, SAD

KANAN, FUAD

KHAIR, ABOUD

of 1964



SECTION III

1st Row (From left)

SAGHIR, RIYAD
Amyoun, Al-Koura, Lebanon
SALIM-HAMMUD, ISAM
Sidon, Lebanon
Life Saving Team
MANSUR, RAFIK
Haifa, Palestine
Physics and Mathematics Society
MANSUR, SALIM
Beirut, Lebanon
Physics and Mathematics Society
NAKKASH, TAMMAM
Beirut, Lebanon
LABABIDI, MUH. MAN
Homs, Syria, U.A.R.
SAFAVIAN, MOH.-REZA
Shiraz, Iran
Chess Club

MONTAFEJ, ABDOL-BAGHI

Abadan, Iran
Glee Club
SADIK, RIYAD
Deir-el Kasi, Palestine
Hockey Major League,
C.W.L. Committee, Glee Club

2nd Row (From left)

MASUD, MASUD
Aintoura, Lebanon
SALWAN, ROGER
Judaidet Marjeyoun, Lebanon
SABRA, TARIK
Caratinga, Brazil
Glee Club, Hockey Team,
Latin American Club,
Physics & Mathematics Society,

Folk Dance Club,
Rabitat Al-Amal Alijtima'i
NAHHAS, NABIL
Beirut, Lebanon
Track & Field Major League
PISHDADY, RAHMAN
Shiraz, Iran
Volleyball, Basketball
PARMAKSIZIAN, SARKIS
Beirut, Lebanon
Football Major League
MAGHZAL, ILYAS
Rakka, Syria, U.A.R.
NASSAR, ILYAS
Souk-El-Gharb, Lebanon

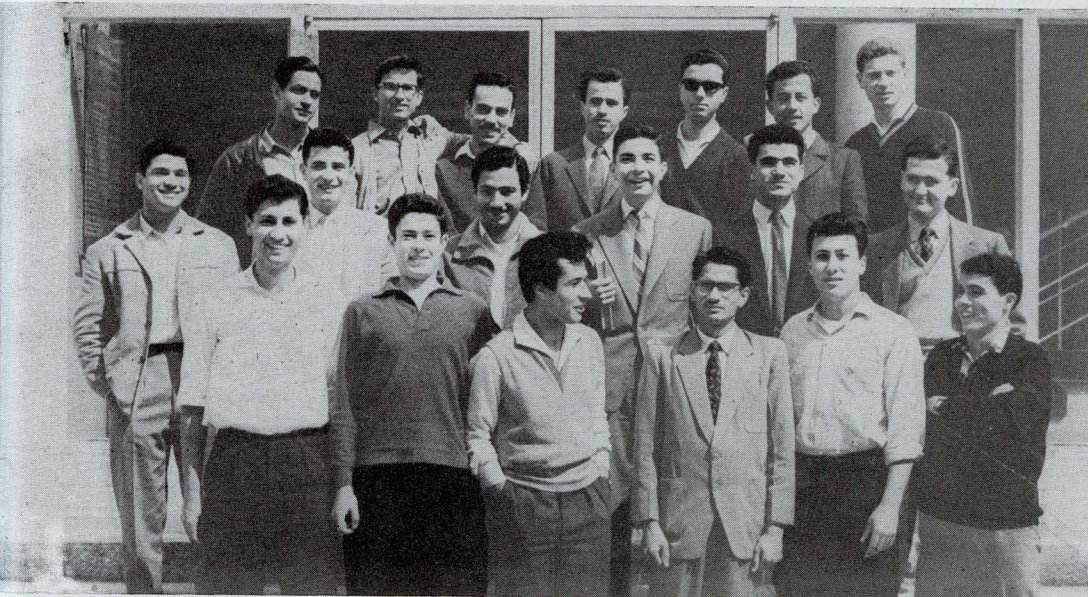
3rd Row (From left)

MERJANIAN, Stephen Vosgan
Beirut, Lebanon

LADKANY, SIMAN
Damascus, Syria, U.A.R.
MAKHKHUL, JOHN
Deirmimas, Lebanon
Engineering Glee Club,
Music Sub-Committee, Maestro
MOHAZZEBI, DARIOUSH
Arak, Iran
Volleyball Major League
KURTABAWI, MICHEL
Mrijat, Lebanon
SAMARAH, MUSA
Judaidat Marjeyoun, Lebanon

IN ABSENTIA

KURAN, IHSAN
MIKARI, ILYAS
MIRCHOOPAN, PARVIZ



SECTION IV

1st Row (From left)

UTHMAN, DHULFAKAR
Burj-je-Barajneh, Lebanon
TAWIL, GEORGE
Jerusalem, Palestine
Football Minor League
YESSAYAN, TATYOS
Amman, Jordan
VANDAL, MOH. PERVAIZ
Lahore, Pakistan
General Knowledge Team '64
Major League, Hockey
WAHBAH, EDWARD
Tripoli, Lebanon
Football Minor League '64
ZAKIKHANI, PARVIZ
Tehran, Iran
2nd Row (From left)
SHATER TORABY, DARIOUSH

Iran
Track & Field
SHALHUB, MUNIR
Douma, North Lebanon
Track & Field
SUKI, KHALID
Beirut, Lebanon
Football Major League
SIDAWI, SAMI
Damascus, Syria, U.A.R.
UTHMAN, FAHMI
Ramallah, Jordan
Track & Field
SHIHADAH, WADDAH
Damascus, Syria, U.A.R.

3rd Row (From left)

SURUJI, LUTFI
Jaffa, Palestine

Volleyball Major League,
Volleyball Minor League,
Football

SHUBAYLAT, LAYTH
Amman, Jordan
Varsity Basketball, Major League,
Football, Basketball, Baseball,
Football Minor League,
Basketball

SHARIF, HASSAN
Beirut, Lebanon

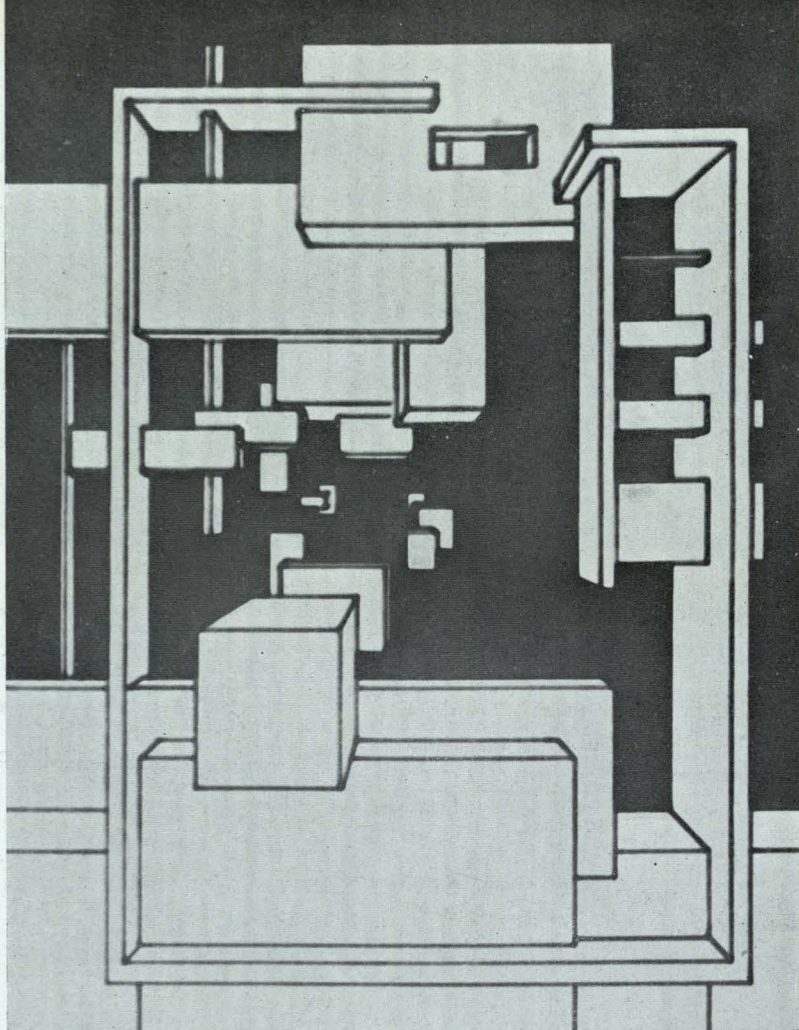
UMAR, MUH. HASAN
Tulkarm, Jordan
Football Minor League

SHUKAYR, KHALID
Shoueifat, Lebanon

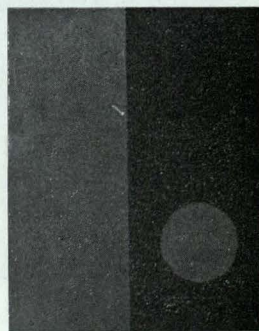
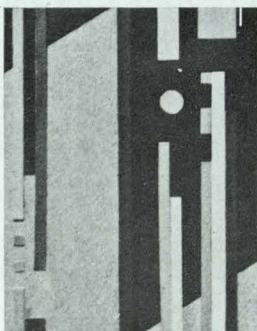
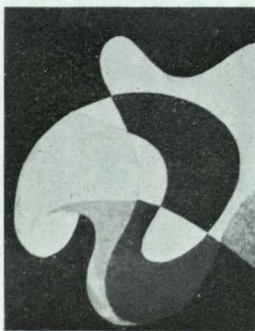
SUFAYR, MANSUR
Kafardebian, Kesrouan, Lebanon
SINNU, MUH. ANAS
Beirut, Lebanon
Major League, Track & Field,
Basketball Minor League, Tennis

IN ABSENTIA

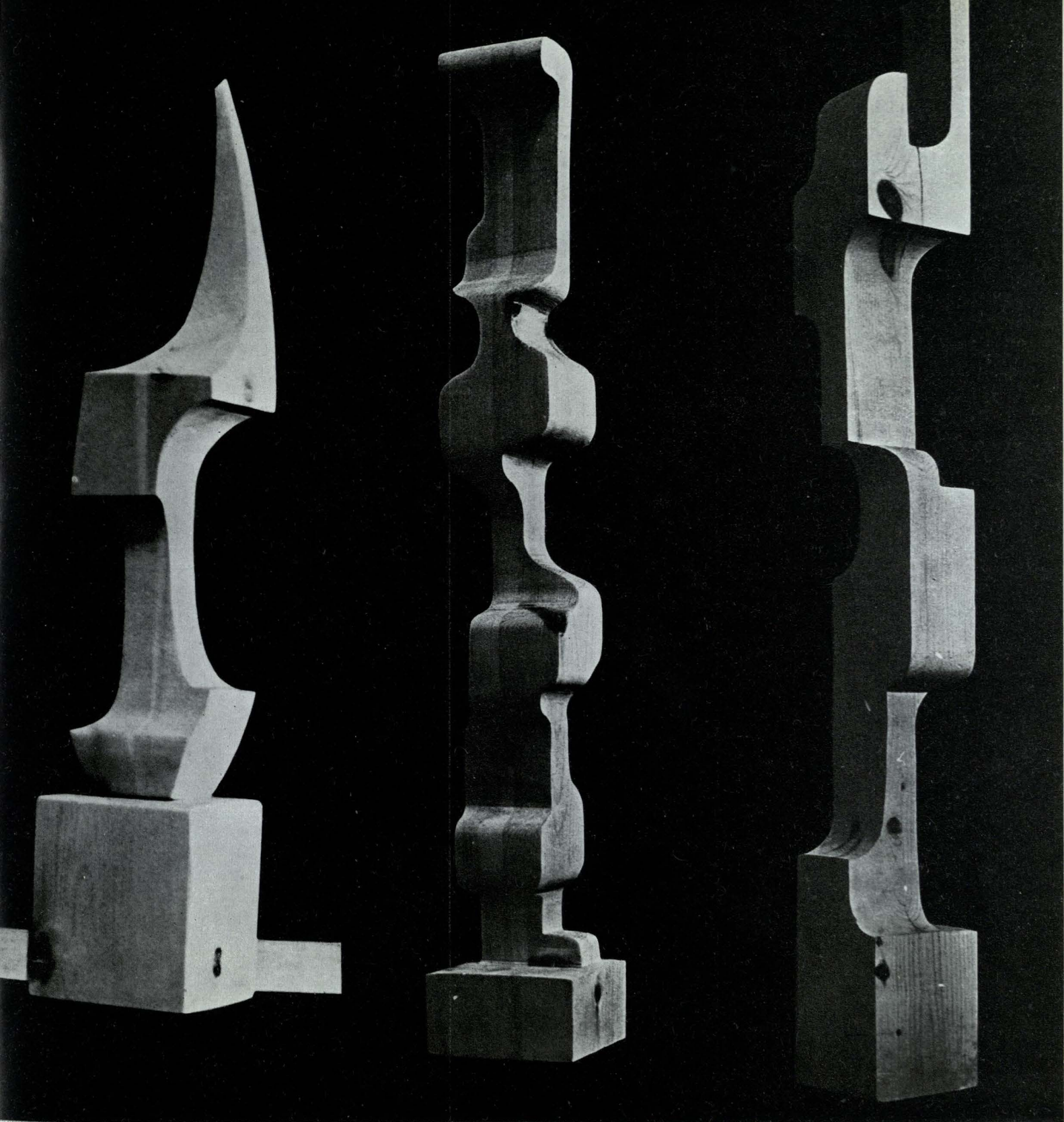
SAYIGH, SAID
ASH-SHA, ABDALLAH
TAKIYUDIN, WALID
THOMAS, CLEMENT STANLEY
Rewari, India
Hockey Major League
UNSI, SAMIH
Beirut, Lebanon
Track & Field Major League
YUNAN, ANTOINE
Batroun, Lebanon



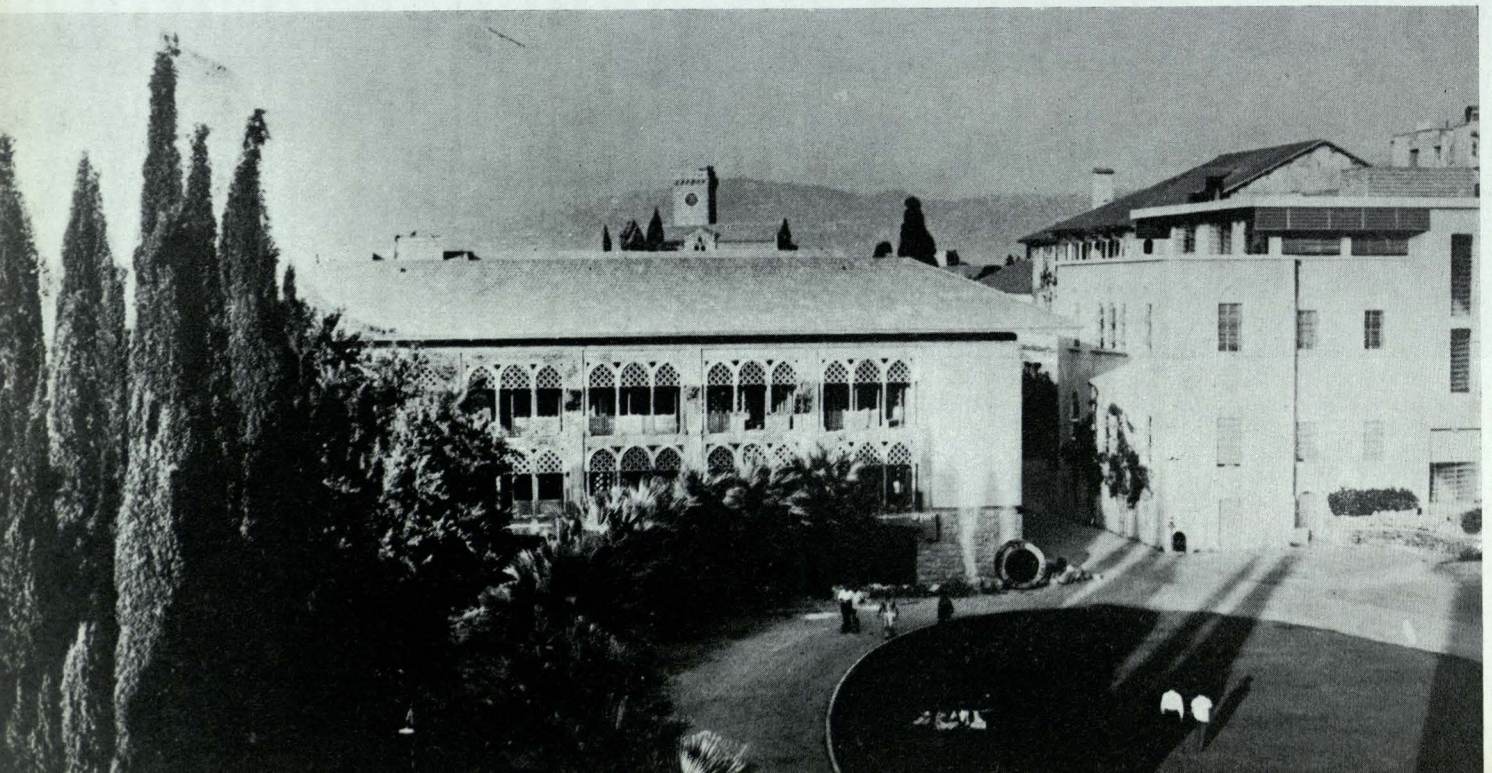
architecture



art work of classes '61 and '62



Introducing the new President





NORMAN BURNS

A native of Versailles, Ohio, President Burns (54) graduated from Wittenburg College in Ohio with a B.A. in Political Science in 1927 and took his master's degree in International Relations at Yale University in 1929. While adjunct Professor of Economics in A.U.B. (1929-32) he published an article on "Role in the Middle East of the American University of Beirut" as well as a score of other articles on the Middle East after which he studied for a year in the University of Montpellier in France. He was also lecturer (part time) on Middle East Economic Problems at the John Hopkins University School of Advanced International Studies.

He worked in Beirut as Economic Advisor with UNRWA from 1953-1956 when he was assigned to the ICA as Deputy Director for the Near East and the South Asia Region. In April 1959 he was appointed Director of the ICA Mission in Jordan until his appointment as President of A.U.B. was announced on 3 January 1961.

He is a recipient of the American Field Service Fellowship awarded by the Institute of International Education of New York.



ATHLETICS

ATHLETIC COMMITTEE

FROM LEFT TO RIGHT

First row : Yejes Dajer, A.; Barazi, M.; Khan, M.M., Muh'd; Shilbayah, A. Tuma, F.

Second row : Malhas, N.; Criticos, G.; Suleyman, W.; Ghandur, Z.



Our boys lived up to their reputation once more on the Athletic Field. Winning, whenever it was humanely possible, putting up a fight to the end when even miracles could not clinch it for them.

Football as usual was the big event and that is where our Athletes showed their best. They tied the Autumn Games Championship 1-1 and lost the tie breaking game 2-1 to our traditional rivals A & S. This however served as a boost in our morale. We went down for the Winter Cup (as underdogs) with cannons shooting off the Bechtel Building's terrace accompanied by drums, crackers and what not, to upset everybody's bet and win a 4-3 decision. The forward line was spearheaded by Fuad Hassoun. Captain Malhas was on the sidelines having had a recent operation but this did not prevent him from giving dynamic encouragement to the team. Determined to stay at the top, the team came back and beat the A & S in the University Championship 2-1 with the sharp shooting of Shukri Hamzah and Layth Shubaylat and a granite defense line buttressed by the recovered Malhas and "Bony back" Zakkak in the goal, doing acrobatics as usual.

The Basketball Team put a good show winning the Autumn Games, but loosing a hard fought game against the inspired medics. The class of 1962 won the University Minor League Cup.

In volleyball our team gave a good show in both the Autumn and the Spring Championship though loosing both times by a score of 3-2. This fact has given our School high hopes of winning next year with a little more practice and perhaps better luck.

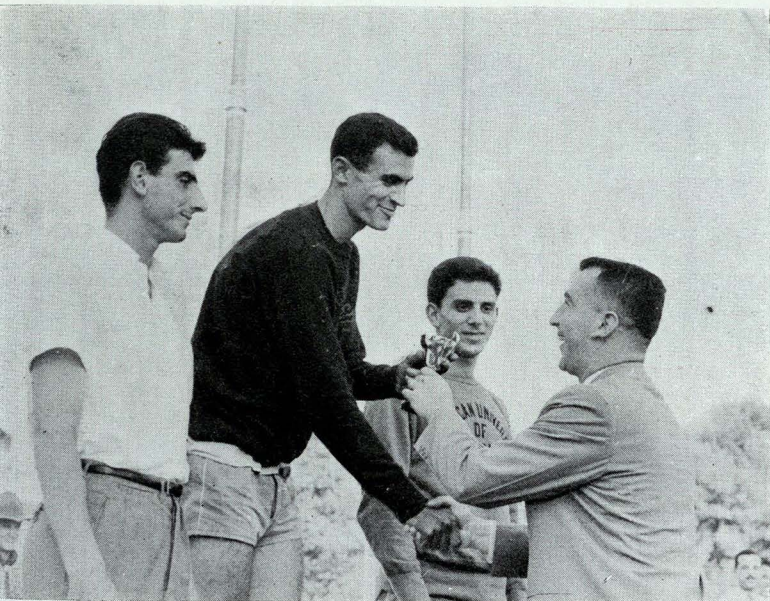
The Softball & Tennis, though playing well, lost to the star packed A & S teams.

This year a new sport was introduced in our school. A hockey team was formed and it gave quite a good show by finishing as runner up in the University Championship.

It is interesting to note here that this year Hovhannes Melidonian of the Class of 1962 became the University Ping-Pong Champion with Anwar Theokaris of the Class of 1961 as Runner up.

The minor league faculty championship were for a change played in their entirety offering good competition. The class of 1961 won the Basket title, the class of 1963 got the Volleyball while the class of 1962 walked out victorious in the Football Championship.

As a whole the show this year was a good one perhaps not only by the result obtained but by the encouraging prospects of the coming year.



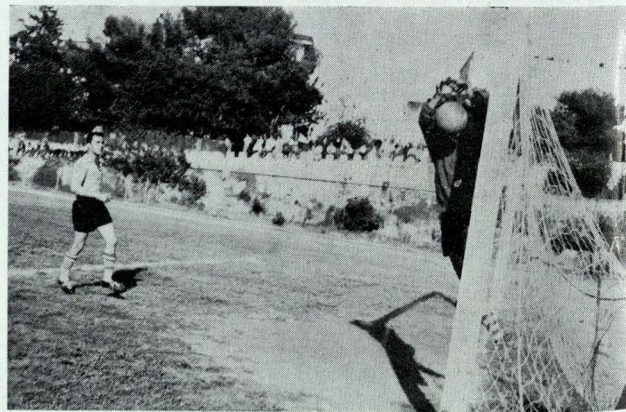


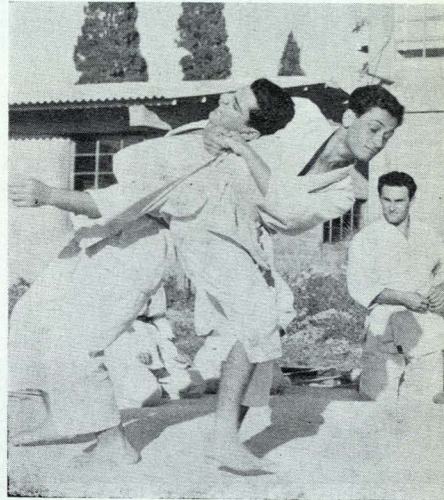
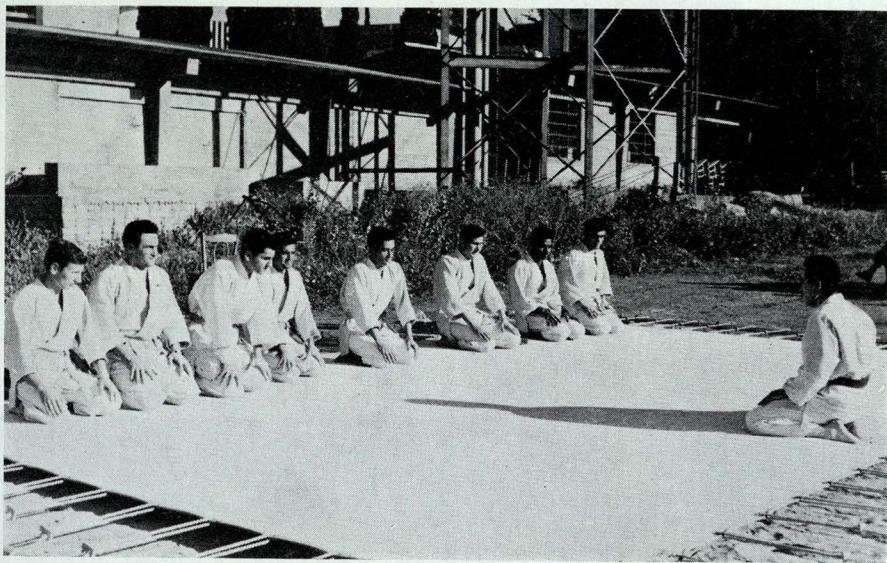
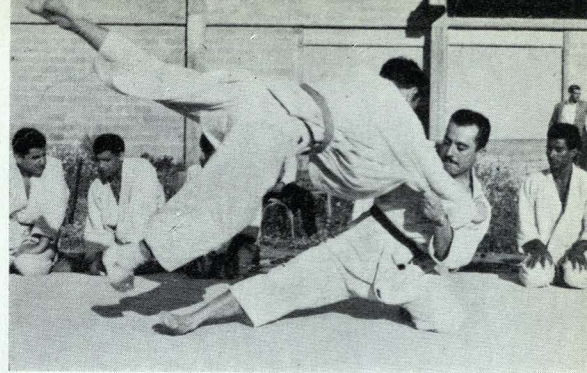
FOOTBALL TEAM

FROM LEFT

Nail Malhas — Captain; Massad Zakkak; Abdul Rahim Shilbayah; Mustafa Barazi; Shukri Hamzeh; Saleh Uthman — (left at mid-year); Fuad Hassun; Adel Yakan; Layth Shubeylat; Yervant Tcherekjian; Nicolas Mavrovouniotis; Ibrahim Shammass; Gessesse, Fissiha.

Faculty Advisor: Prof. C. Inglessis (*in absentia*)





JUDO TEAM
 FROM LEFT TO RIGHT
 Anavy, Ralph; Tourian, Varouj; Naufal, Joseph; Birbari, Ghassan; Theokaris, Anwar; Kabakian, Vahe; Ali, Muhammed; Garboushian, Garabed; Dr. Zako Pehlivanian, Instructor.



HOCKEY TEAM
 FROM LEFT TO RIGHT
 First row : Haider, Mohammad; Hashim, Abul Fakhar; Vandal, Mohd. Pervez; Ahmad; Mehruz; Thomas, Clement Stanely.
 Second row: Mr. Madany, H.; Sheikh, Zia-Rahman; Siddiqui, Moti-ul-Hag; Sabra, Tarik; Khan, M.M.; Said, M.; Kazmi, Mehdi Ali.





VOLLEYBALL TEAM

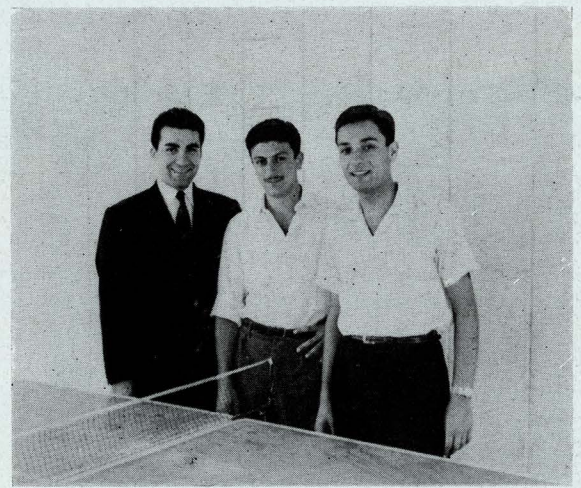
LEFT TO RIGHT

Front row : Kahawati, G.; Haddad, K.; Kassab, A.
 Second row : Suruji, L.; Abu-Chakra, W.; Ahmad, Ali, G.; Taymani, I.;
 Kanj, I.

SOFTBALL

FROM LEFT TO RIGHT

Front row : Zein, R.; Shammass, I.; Azimi, A.; Anavy; Barazi, M.
 Second row ; Professor Kano (Advisor); Zackarian, C.; Jahshan, B.; Shu-
 beilat, L.; Yejes, Dagher A. (Captain); Gharghour, N.; Ham-
 zeh, Sh.; Jaber, A.



BASKETBALL TEAM

FROM LEFT

Bouldoukian, M. — Ghandour, Z. (Captain) — Moukarzel, R. — Shubaylat,
 L. — Kanj, I. — Moukbel, S.
 In Absentia: Barazi, M. — Azimi, I. — Mr. A. Kuran (Advisor)

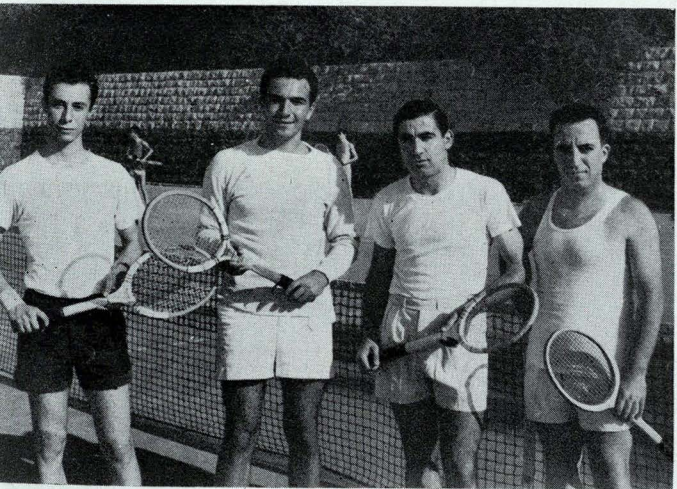
PING PONG TEAM

FROM LEFT TO RIGHT

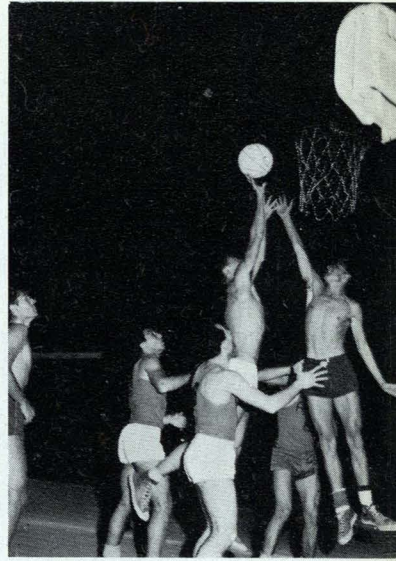
Melidonian, O. (A.U.B. Cham-
 pion) — Hawwa, H. — Theokaris,
 A. (Runner up).



WATER SPORTS TEAM
 FROM LEFT
 Standing: Dajani, A. — Mr. N. Hawa — Batshun, S. — Mirchoopan, P. — Criticos, G. (Captain) — Sinnu, A. — Fallahah, A.
 Sitting ; Tourian, V. — Khuri, A. — Juraydini, M. — Jahshan, B.



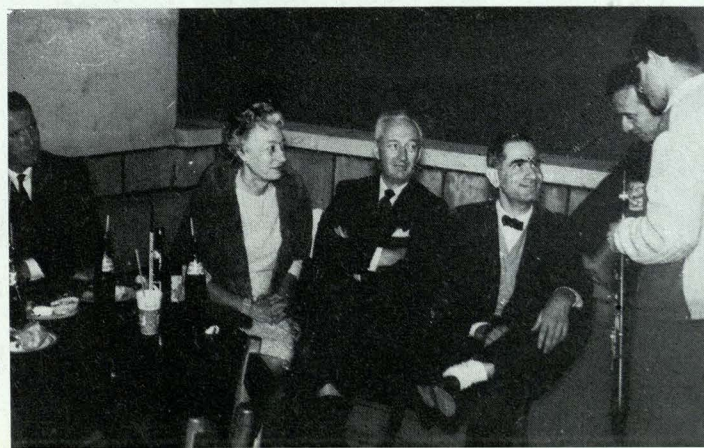
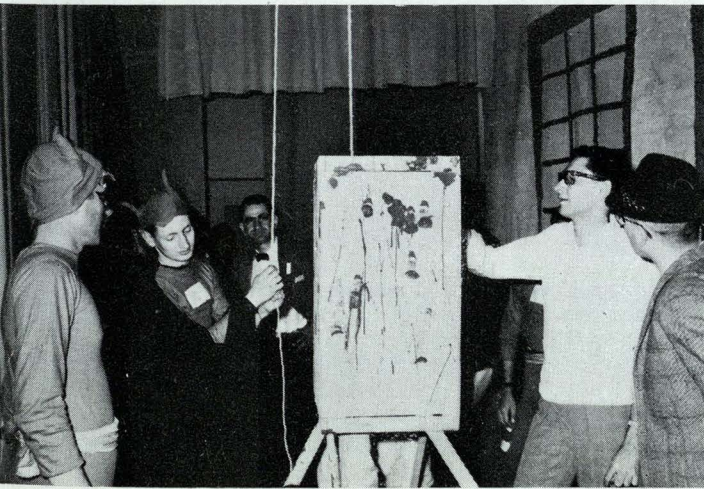
TENNIS TEAM
 FROM LEFT
 Abur-Rus, R. — Andrawus, G. — Tuma, F. — Scamanga, A.





The Social Side







BALL COMMITTEE

FROM LEFT

First row : Tali, U.; Anavy, R.; Mandjikian, Z.
 Second row: Jaber, A.; Tomeh, G. Chairman;
 Khalifeh, H.; Criticos, G.; Prof.
 Adnan Bitar, Advisor; Masa'ad, C.;
 Abu Sleiman, J.

S.O.S. WEST HALL



"A bit more to the left, stop. All right now, every body slowly on those ropes,... watch that scaffolding... altogether. Pull... again... pull..." And west hall common room was sunk deep down into the unfathomed depths of the Mediterranean sea, through a grotto of treacherous rocks.

When the guests arrived, weird fishes, sharks, slashing octopuses surrounded them. Unseen lights of many colors threw mysterious shadows on "hasaki" like tables surrounded by small stools. As the night wore on, bewilderment mixed with happiness as the spirited rythm of the orchestra added to the unforgettable evening.

Such a mighty and successful effort could only be achieved by the close cooperation of the large majority of Engineering students. Long nights of planning, preparation and executions of each and every detail had to be sacrificed from otherwise valuable and leisure time. But the priceless experience gained from such an adventure by far outweighed any amount of sleep lost by those students who shouldered the ball and the faculty members who helped them.



IS SINKING





SHOW COMMITTEE — GENERAL

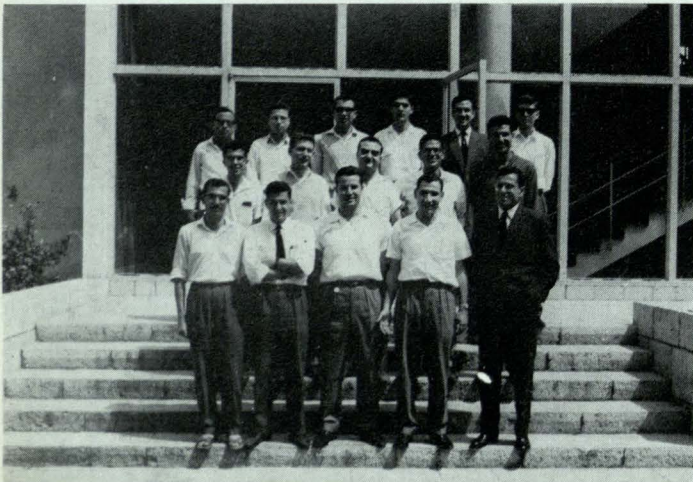
FROM LEFT

4th row: N. Malhas — A. Matta
 3d row: H. Shibl — M. Saad — I. Makhoul
 2d row: E. Sotiropoulos — H. Hakki — H. Khalifeh
 1st row: V. Guekguezian — I. Hassoun — M. Gress
 In Absentia: I. Kanj
 Advisor Prof.: M. Khamis

SCRIPT COMMITTEE

FROM LEFT

U. Shalabi — R. Zeine — H. Tenekjian — N. Gharghour — S. Abdus-Samad
 N. Kanafani



“In zis world zer are two kinds of people. zos who stand in line and zos for whom the line stands”. off with a hilarious start, the devilish affair unfolded, holding the audience either spellbound or roaring with laughter.

It was the story of a normal student Ali Boo Boo who wished to enter the Engineering School, but fate decreed otherwise. Ali failed in the interview and in a fit of despair offered to sell his soul... From the steaming depths of hell a devil came and tricked Ali into a contract whereby Ali sold his soul in return for an engineering education in hell.

In a hair raising scene Ali is initiated in hell and goes on to witness a strike of the H.I.T. (Hell Institute of technology) faculty; too much heat is threatening to melt hell out of existence. Ali invents a cooling machine, thus becomes a hero. As a reward, D.D. (Dean of devils) offers Ali his wife. But Boo Boo fails to please her, so, as a most severe punishment, he is sent back to the school of Engineering at A.U.B.

Played by an excellent cast with S. Mussalli in the leading role, as “Ali Boo Boo”, the play was a result of many months scheming. A truly momentous effort of high quality, the show was a landmark of Engineering skill in production which is a crowning success for the past and a towering challenge for the future.

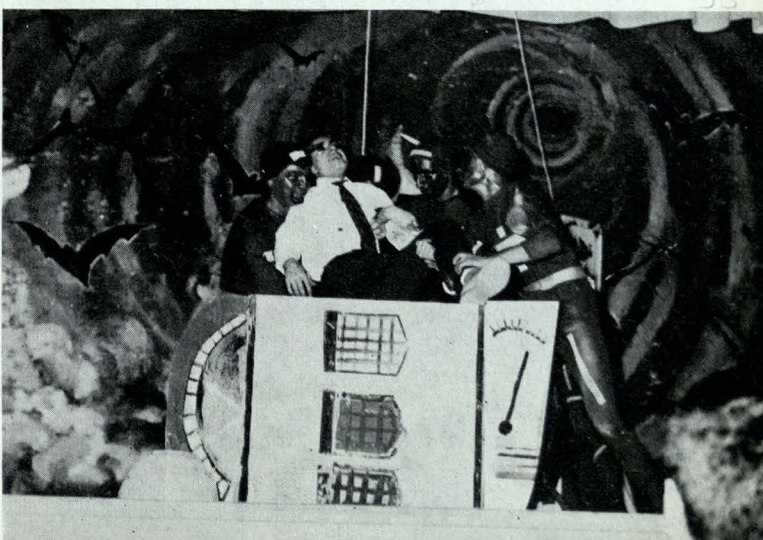
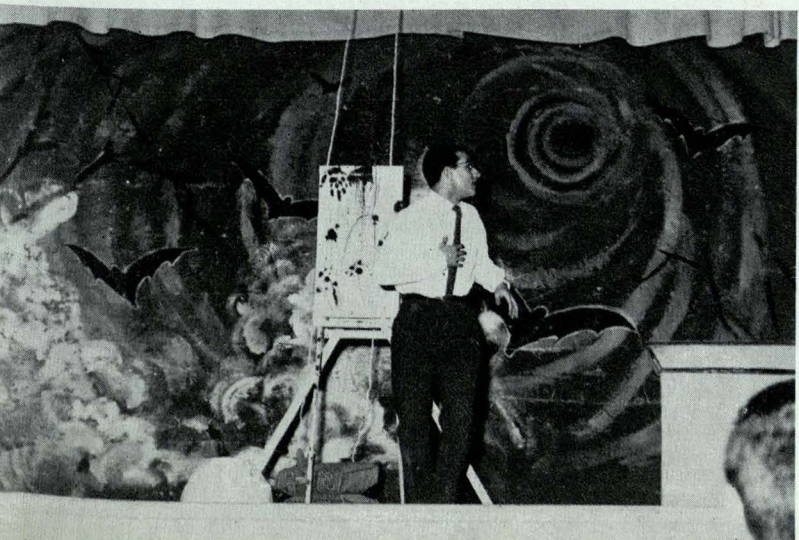
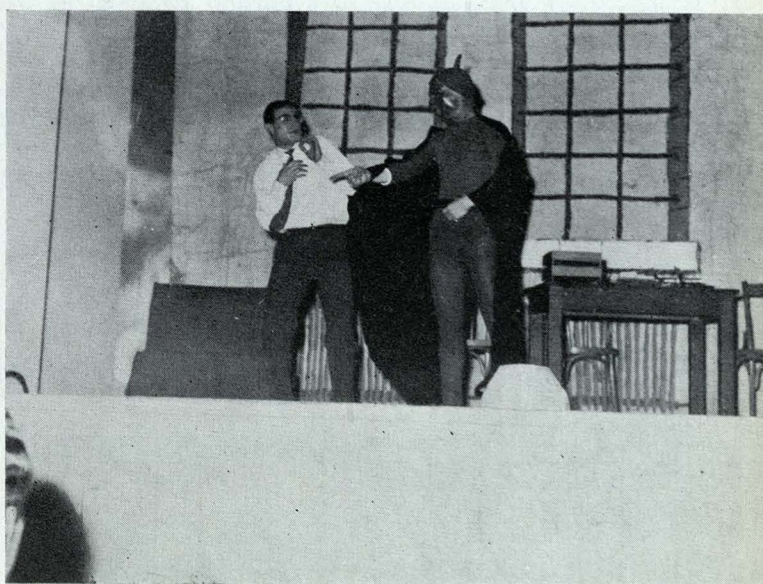
STAGE PRODUCTION COMMITTEE

LEFT RIGHT

3d row: S. Kawar — M. Barhumi — Z. Manjekian — U. Talia (Gallery) — M. Saad — M. Shorvoglian
 2d row: M. Kabbani — A. Ispiridon — N. Shammass — G. Sadi- kian — (Stage Traffic) — W. Suleiman — (Properties)
 1st row: F. Lababidy — E. Bannayen (Curtain & Lights) — N. Musa (Stage Manager) N. Takiyyudin (Gadgets) — C. Massad
 In Absentia : T. Sawaya — G. Tuma (Properties) — O. Manoukian (Wardrobe) — R. Boulos — B. Malkashian — A. Namd E. Haddad — E. Khouri — E. Salha



A Devilish Affair

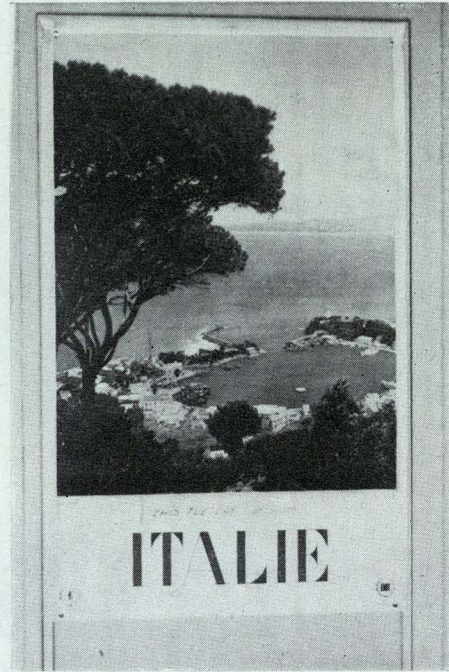




SLIDE PROJECTION COMMITTEE

FROM LEFT TO RIGHT

Farah, M.; Kurayyem, A.; Banayan, E.;



About the end of the first semester, the E.S.S. cabinet decided to start a new cultural program in the school. This program was to consist of slides projection from various countries of the world, and the special committee suggested later to have representative music from that country and to present some essential facts about it. These programs were scheduled to take place every Tuesday between 10:00 - 10:30 a.m.

Ali Kurayyim was chosen to head the committee responsible for this program, who in turn chose the members of the committee as follows:

| | |
|---------------|---------------------|
| Ziad Murad | Assistant chairman, |
| Elie Bannayan | Music, |
| Maurice Farah | Publications. |

The first session took place on March 7, 1961, and the audience visited Turkey, as the first country in the planned trip around the world. In the following weeks they visited Greece, Cyprus, Italy, Germany, England, Holland, Belgium, U.S.S.R., Switzerland and France. The trip is planned to continue next year to North and South Americas, then across the Pacific to Japan and the Far East, then across countries of the Middle East to the Arab World.

TRIPS



TRIP COMMITTEE

FROM RIGHT TO LEFT;

Adel Yakan - (Chairman) — Ali Kurayem — Ahmed Minkara — Crossy Zakarian — Suheil Jalbout — Nabih Takiuddin — Noubar Shorvoglian Antoine Bitar — Nadim el-Said





**MEMBERS OF THE E.S.S.
BAND ;**

- Clarinet : S. P. Mussalli
- Piano : N. Baki
- Drums : K. Sossoyan
N. Nahas
- Accordion: S. Nasr

Tradition is certainly one of the forces that make people accomplish miracles and the E.S.S. band had a glorious past which had to be kept up. We found ourselves, at the beginning of the Academic Year 1960-1961, reduced to our simplest expression. As far as the musicians were concerned there was only one clarinet player left. As for the instruments available at the School there was our old, out of tune, piano and a pair of old drums.

But there had to be an E.S.S. Band, there was no question about it.

So the clarinet started to look for other talents to help make a band, with the cooperation of the Glee Club and the Music Committee. The clarinet found an accordion. The accordion brought with him a drummer. The drummer found a bongos player and to complete the picture we found, somebody who can use the piano decently.

We knew how to play each one by himself, but the problem was to know how to play together. Thus started the rehearsals day and night...

Our first show took place on a Wednesday Assembly and the success went far beyond our hopes. "What are you doing here, go and become Professional Musicians" said professor Yeramian.

After this success we played several times on different occasions; at the Engineering Show, at the Engineering week party, at a Jam session in West Hall.

The examinations of June stopped our programs but our good old piano and our good old set of drums still have a long career awaiting them in the coming years.





CHESS SUB-COMMITTEE :

FROM LEFT TO RIGHT :

Siman. H; Birbari. G; Hashim. M; Tcheurekjian. Y; Sayyid. F; Jureidini. M;



REVIEW SUB-COMMITTEE :

FROM LEFT TO RIGHT : (Standing)

Naufal. J; Ispiridun. A; Criticos. G; Tuma. D; Hakki. H; Abdus-Samad. S; Yejes D; Hamiyeh. A; Bitar. A; Malhas. N; Ghandour. Z.

SITTING LEFT TO RIGHT:

Shuraym. G; Saikali. R; Ali. M.

In Absentia: Abdus-Salam. A; Musa. N; Tourian. V; Lababidi. F; Manoukian. O; Issa. R.



**BULLETIN — RESEARCH COMMITTEE
1962 CORPORATION.**

FROM LEFT :

Haddad, E; Shibl, H; Ghandur, Z; Ispiridon, A; Shuraym, G;

ABOUT THE "BULLETIN"

This magazine is published monthly by the research committee of the Corporation of the Class of 1962 of the Engineering School. It is devoted to articles written by the Engineering students. These articles are intended to be of interest to engineering students.

They may be:

- 1) Studies and investigation about scientific subjects; such as collecting information, describing a new invention or development, explaining scientific theories etc...
- 2) About research or experiments done by students in the Laboratory.
- 3) Exposing or introducing new original ideas developed by the students.
- 4) About the Engineering School and its student body.



parties



Lebanese artists exhibition

SPONSORED BY THE ENGINEERING STUDENTS' SOCIETY OF AUB

PAUL GUIRAGOSIAN
MICHEL BASBOUS
BARKEV DJIBERLIAN
MICHEL EL-MIR
KHALIL ZGAIB

BERNARD CASSIA
ZAVEN HADISHIAN
AMIN SFEIR
NADIA (SAIKALI) THOMAS
RAFIK SHARAF

24-30 MARCH 1961

NOTE: THERE WILL BE A SECOND EXHIBITION, 20-30 APRIL, 1961, INCLUDING THE WORK OF:
ABU-SHAER, AKL, ALFRED BASBOUS, Dagher, KHALIFE, JURDAK, NAMMAR, SARGOLOGO, STETIE

art

This year, the Art Sub-committee with Professor Ghosn as the Faculty Advisor has carried out an extensive program of Art Exhibitions. Among those held were the following:

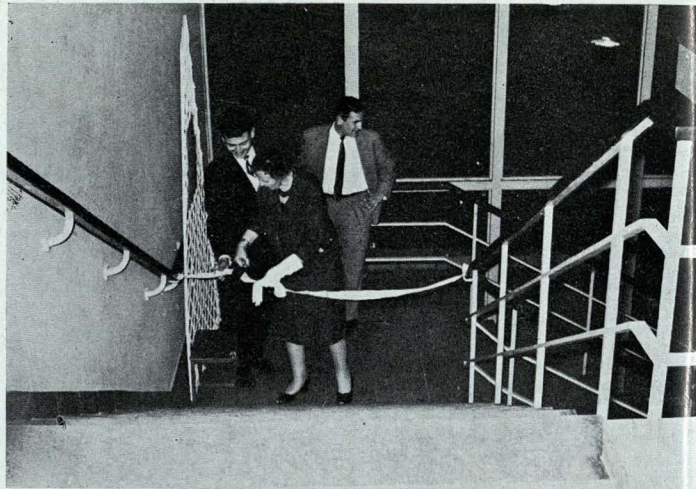
1. "Lebanese Artists Exhibition", which was done in two parts and consisted of a number of paintings, sculpture, and drawings. The first part included the works of:

Michel Basbous, Bernard Cassia, Barkev Djiberlian, Paul Guiragosian, Michel El-Mir, Zaven Hadishian, Amin Sfeir, Rafiq Sharaf, Nadia (Saikali) Thomas and Khalil Zgaib.

The second part included the work of: Lilian Abu-Shaer, Amal Dagher, Halim Jurdak, Nicolas Nammar, Ibrahim Marzouk, Michel El-Mir, Yvette Ashkar Sargologo, and Assem Stétié.

The program of both Exhibits started with a formal opening which included tea & cakes, followed by an opening address stated on behalf of the Engineering Students Society. The ribbon was cut by Mrs. Crawford in the first one, and Mrs. Weidner in the second one. The friends and students of A.U.B. were invited and the paintings were greatly appreciated and admired.

2. "Exhibition of Outstanding American Architecture", which consisted of the twelfth annual honor awards of the American Institute of Architects.
3. "The Fifth Annual Student Amateurs Art Exhibit" the ribbon of which was cut by Mrs. Sarruf.



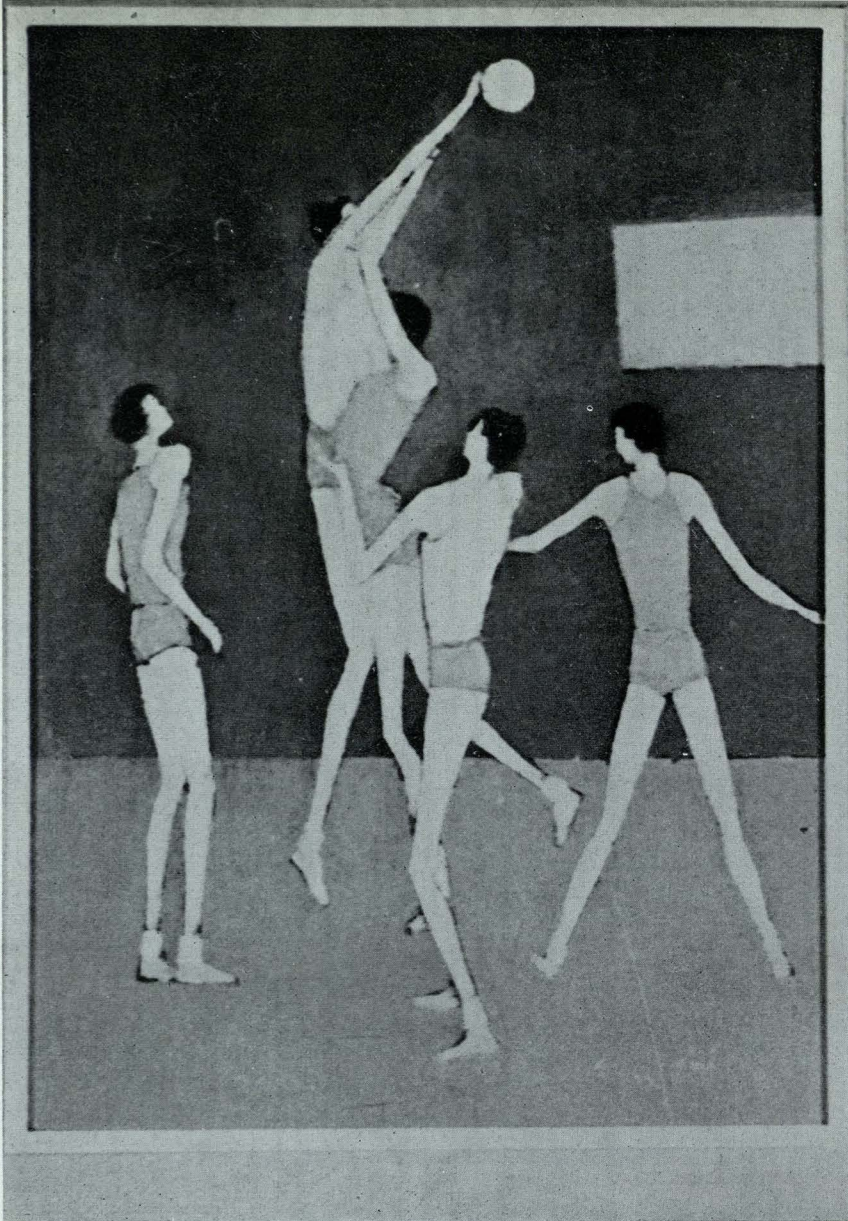


ART SUB-COMMITTEE

FROM LEFT :

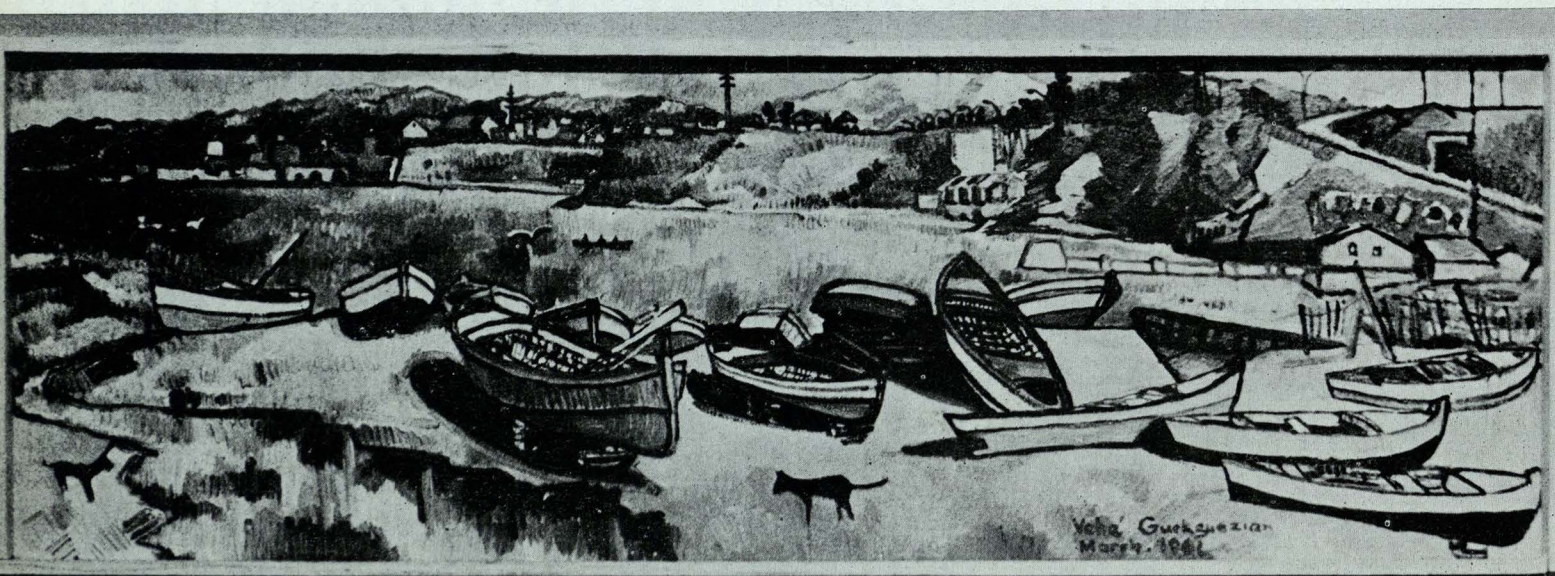
A. Balian, G. Kavar, E. Ouais, A. Bitar (chairman), M. Ali, A. Boul-doukian.

**student
art
exhibit**



first prize painting

m. bouldoukian



second prize painting

vahé guekuegian

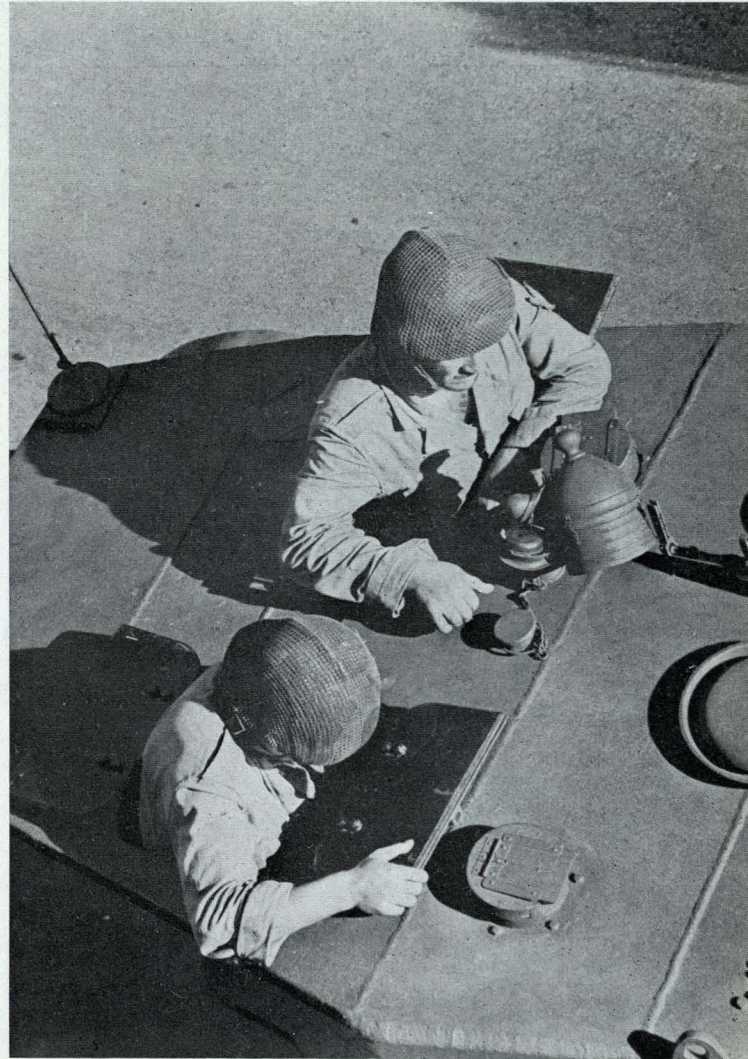
first prize photograph

e. sotiropoulos



second prize photograph

f. salha



"The Fifth Annual Amateur Art Exhibit", is yet another activity sponsored by the E.S.S. to appreciate and encourage artistic talents among the Engineering Students. Exhibits of paintings, drawings, and photographs by some twelve students were juried by Professors Raymond Ghosn, Charles Frick, Mrs. Fay Frick, and John Carswell. The first prize for painting went to M. Bouldoukian and the second to V. Guekguezian. The first prize for photography was won by E. Sotiropoulos and the second by F. Salha.

Thus ends another year in which were held many Exhibitions rich with quality and quantity. We wish to extend our thanks and appreciation to all the Artists, Faculty, and Students who contributed their time and effort towards the success of Art Activities during this year.

امل ضائع

كل آمالي لُفافة في غدي
 في نذوي تذيخر وبصدري
 امست خرافة يدي
 في ضوء لجمرة
 ويرأسي
 الف خمرة ،
 وتدور .
 اني اعمي
 واحيا
 باحثًا عن نور
 دافئًا يومي
 وان عدت الى الماضي
 فحفار قبور ؛
 يا غدي ،
 يا حائط الاسمنت
 ارشدني الى صخر يثور ..

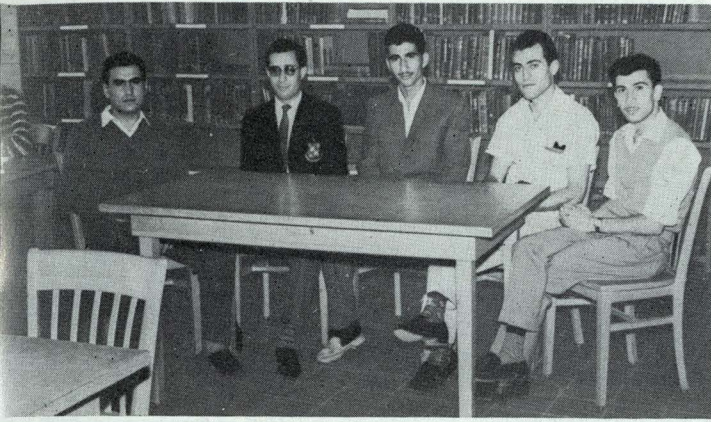
فؤاد مكارم

غدا نلتقي

غدا نلتقي غدا نلتقي
 بلا ظلمة
 كلانا ونزف لحنًا
 يوازي هوانا
 ويفرح قلبي
 لأول حب ...
 غدا نلتقي
 ويولد حبي معك
 وبدر حياتي (جمل)
 فقد طال حامي
 وانت بعيدة ...
 وأنعمض عيني
 أبلور صورة
 بأبداع فن
 بأني
 غدا ألتقيك ...

داود خلف





ARABIC LITERARY SUB-COMMITTEE

FROM LEFT
G. Shuraym
D. Khalaf
Ali N. Muhammad
F. Makarim
I. Kandil



ENGLISH LITERARY SUB-COMMITTEE

FROM LEFT
V. Tourian
H. Shibl
S. Munayminah
H. Diratzouian

ARABIC LITERARY SUB-COMMITTEE

ليست الهندسة تصميم جسر او تنفيذ مشروع محدود فقط بل هي الى جانب ذلك طريقة في التفكير ، معززة بالمنطق ، محلاة بالفن في كل مرحلة من مراحلها ، تبدأ على أساس يناسب القاعدة التي يقام عليها ، ثم الى هيكل البناء من جسور وأعمدة ، واخيراً تأتي مرحلة التفليف والتريين التي تودع فيها الى الأيدي المعارية والأصابع الفنية . . . انها هندسة افكار تحتاج الى جمال الذوق ليخفف عنها جفاف القواعد العلمية ، أفليس الجمال بما فيه من فن وأدب خير ملاذ ؟!

وهنا أود ان اذكر بعض نشاطنا في الميدان الأدبي ، فنحن في هذه الكلية اعتدنا ان نقيم مسابقة في نظم الشعر باللغة العربية الفصحى بين طلاب الكلية ، وتوزيع جوائز للقصيدتين الأوليين ، ولهذا العام كانت القصيدة الأولى (امل ضائع) والثانية (غداً نلتقي) وهما تليان .

واعتدنا ان ندعو شعراء معروفين لاقامة امسيات شعرية ، وكان مدعونا في هذا العام - تزار قباني - فأحيا لنا امسية شعرية في شهر آذار ، وحشدت الجموع في قاعة الاجتماعات العامة بالجامعة بشكل لم يسبق له مثيل الا عندما زارنا نضرو رئيس وزراء الهند في الربع الماضي . . . جاء شاعر القنديل الاخضر ليحزف على أوتار القلوب الشابة ، لا بل حتى ما كهل منها في ظنونه . . . جاء وفي جيبه قصائد جديدة ، وستظل دوماً جديدة . . . وأصغى الكل الى تزار ، يسهون ما كتبته وأحبوه ، أسهموا اياه تزار ، أسهمهم كلمات ليست كالكلمات ، كلمات حملتهم الى دنى بيمة ، واسترادوا فلبتي ؛ وما أجهل ان يعود كل عام ، فالمرور العذب كثير الزحام .

ENGLISH LITERARY SUB-COMMITTEE

The members chosen for the English Literary sub-committee were called to a meeting on 16 December 1960 at 10 hrs. They were:

**Hisham Shibl
Varoujan Tourian
Haroutiun Diratzouian
Samih Munayminah
Mutlul Hak Siddiqi**

Mr. H. SHIBL was elected as chairman. Within a week a short story contest had been organized and the contestants met with Mrs. Adams, the adviser, at 5:30 p.m. on Monday 5 Jan, 1961 to obtain general information. Because of time shortage the deadline for turning in the stories was extended from 28 March, 1961 to May 20, 1961.

Meanwhile a poetry contest was organized. Several meetings were called with the adviser, Mrs. Adams, and Miss Gibson who kindly accepted to help the contestants polish their styles.

Thanks to the dynamic personality of the chairman, Mr. H. SHIBL, the activities of the committee were extended and developed through a successful year.



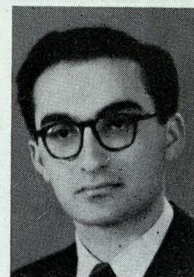
ENG'G MUSIC KNOWLEDGE TEAM

LEFT TO RIGHT: N. Kanafani
E. Haddad
E. Dombourian
H. Melidonian



ENG'G GENERAL KNOWLEDGE TEAM

S. Abdu-Samad
E. Hadad
H. Melidonian
G. Shuraym



Prof. J. HANANIA :
General Knowledge Faculty Advisor



MUSIC SUB-COMMITTEE

LEFT TO RIGHT: B. Malkhasian
J. Makhul
K. Darghouth
N. Bakizadah



GENERAL KNOWLEDGE

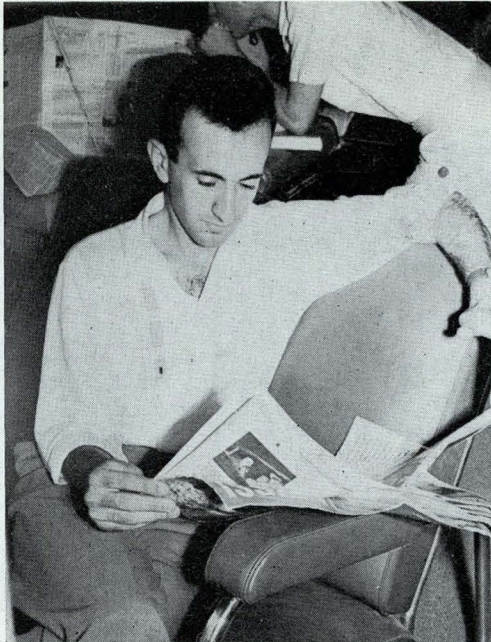
Again this year the Engineering team has won the A.U.B. Championship in the general knowledge contests organized by the W.S.O. our school has managed to keep the cup for the last four years consecutively, and with that deservedly earns the epithet "Invincible". This year the A & S, rather than the Medicine team was considered to be the strong opponent; but the Engineers emerged victorious in the fourth encounter with a significant score (52 $\frac{1}{2}$ -30) that attests to the profound, versatile, and inexhaustible ability of the members of the team. Each of the four aces of the quartet : Sana Abdus-Samad, Emile Haddad, Hovhannes Melidonian, and George Shuraym, displayed full-fledged, "brainy" maneuvers and real understanding in his special field of interest, that made the audience wonder whether the team was one of "general" or "specific" knowledge. In all this some credit is due to the enthusiastic Engineering cheering team which was always there, on the battle field, to give moral support and to dishearten the opponent at the crucial moments.

This year the inter-class G.K. contest was won, to no bodies amazement, by the quintet of the class of 1962. The team was formed of Ralph Anavy, Emile Haddad, Hovhanness Melidonian, George Shuraym, and Hagop Tenekjian, a combination that proved to be unconquerable. The two rounds were quizzmastered by Professor John Adams and Mr. Kamal Khoury

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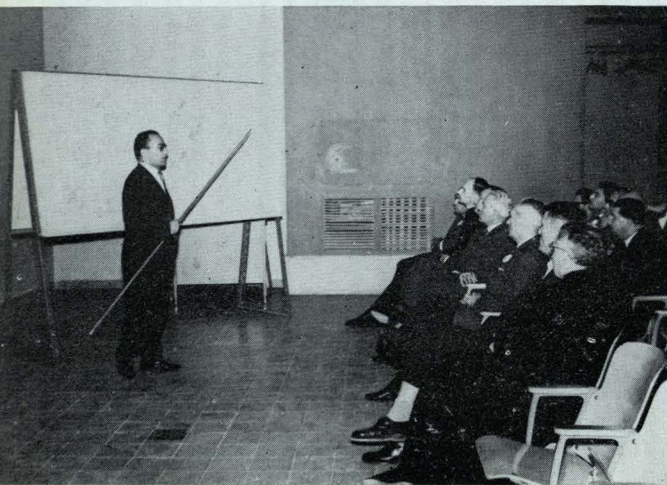
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ENGINEER'S WEEK



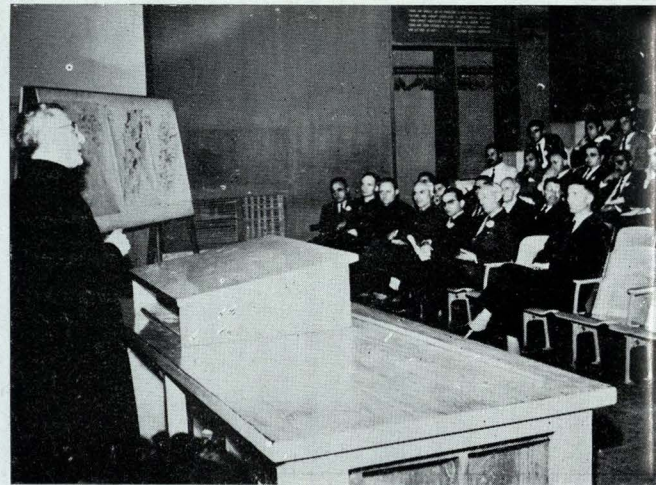
This year, the Engineer's Week was celebrated for the third consecutive year. Somewhat later than usual, it was held during the week covering 17-27 April.

The Engineer's Week is a joint celebration between the School of Engineering A.U.B. and the École Supérieure d'Ingénieurs de Beyrouth (ESIB) in which students and faculties of both schools meet in a succession of festivities held in both schools. All efforts are spent towards bringing together the two schools and furthering the Engineering Profession.

The opening ceremony was held in the Bechtel Building, Lecture Hall, where Dean Weidner and Chancelier De Jerphanion as well as many dignitaries and professors took part. A lecture in Arabic followed given by professor Gabriel Matta who gave the audience a full description of irrigation problems in Lebanon.

The second day the Engineers were invited to a lecture given in French by Messrs. J. Edde, A. Bizri, G. Maroun, about modern habitation. This lecture was followed by a cocktail party given by ESIB in honor of A.U.B. Engineering Students in return for an open house and reception held previously in the Bechtel Building.

Another lecture was given on Wednesday by Lebanese explorer George Doumani, a graduate in Geology from Berkely who spent



18 months with the American group in Antarctica during IGY. His lecture was illustrated with a hundred colored slides and dealt with "South pole Exploration".

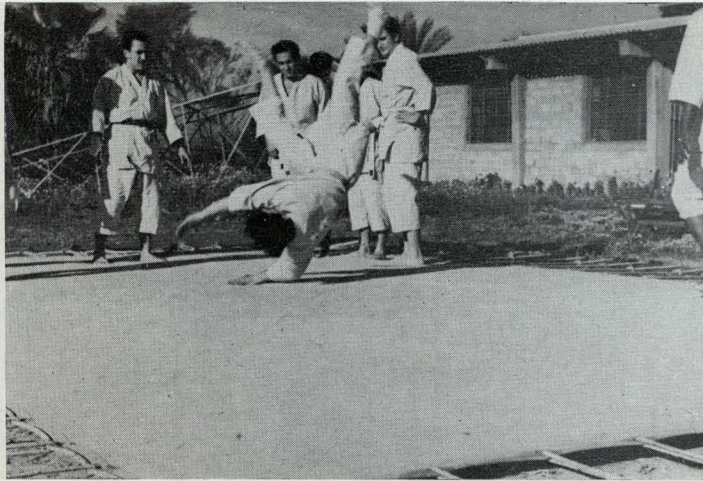
A judo exhibition was held by the A.U.B. Engineer's group next to the hydraulics lab and attracted a large cheering crowd.

A sport meeting was also held between the two schools. The A.U.B. Engineers walked off with all four cups (Ping-Pong, Chess, Basketball & Volleyball) Saturday night, Bechtel Building, 8.00 p.m. Y.M.C.A. band gave the Engineers of both schools with their partners the right atmosphere for a successful party. Sunday morning, a "rally paper" sent all engineering students roaming and wandering through the streets of Beirut with their cars in search of the Acapulco or the Bechtel Building.

The day ended at Cheik-Salim where prizes were given to the winners.

The week finished. Good show engineers.





AMERICAN UNIVERSITY OF BEIRUT

BE IT KNOWN THAT

HAVING IMPRESSED THE FACULTY OF THE
SCHOOL OF ENGINEERING
WITH HIS PROFESSIONAL POTENTIALITIES INCLUDING
SCHOLARSHIP AND CHARACTER

IS HEREBY GRANTED

ENGINEERING HONORS

AND IS AWARDED THIS CERTIFICATE
AND EMBLEM IN EVIDENCE THEREOF

GIVEN AT BEIRUT, LEBANON

THIS DAY

OF 19

Chairman of Honors Committee

Dean of School of Engineering



ENGINEERING HONORS

is granted to graduating students "in recognition of outstanding achievement and as an encouragement to sustained effort towards high scholarship and character development. In this instance, scholarship is defined as academic accomplishment and character as the embodiment of those moral qualities which are true attributes of the professional Engineer." The recipients of the Engineering Honors are awarded a certificate and an emblem for personal wear.

Grantees of the Engineering Honors :

| | |
|--------------------------|---------------------|
| Mohammad Hassan Saadi, | Class of '52 |
| Farid Kandalaft, | Class of '53 |
| Muhammad Fayyad, | Class of '54 |
| Joseph Iskandar, | Class of '54 |
| Hratch Papazian, | Class of '55 |
| Nadim Bulus, | Class of '56 |
| Munir Bulus, | Class of '56 |
| Fuad Nuwaysir, | Class of '56 |
| Mubadda Suwaydan, | Class of '57 |
| Bedros Adjemian, | Class of '57 |
| Basil Hakki, | Class of '57 |
| Carol Khuri, | Class of '58 |
| Sami Abboud-Klink, | Class of '58 |
| Fawzi Kawash, | Class of '58 |
| Matheos Mahshikian, | Class of '58 |
| Ibrahim Abu-Ayyash, | Class of '59 |
| Munir Hawwa, | Class of '59 |
| Michel Jidawn, | Class of '59 |
| Awni Masri, | Class of '59 |
| Polyvios Vintiades, | Class of '59 |
| Haralambos Harris, | Class of '60 |
| Abdus-Samad, Sana | Class of '61 |
| Tuma, David | Class of '61 |
| Khalaf, Daud | Class of '61 |



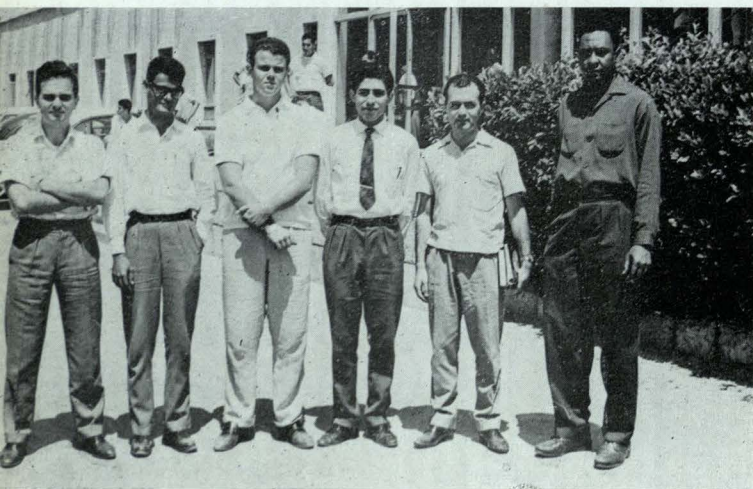
the yearbook

This year marks the Tenth Anniversary of our existence as an independent faculty, in celebrating the occasion, we got in touch with some of those who graduated ten years ago and obtained information about their life and development as professional Engineers. We also dedicated a section of the Yearbook to those professors who have been teaching in our School continuously for the last full ten years.

This year the Yearbook Committee attempted to give a complete and clear picture of the students life in our School.

In order to achieve this aim the Committee was divided, as usual, into six major sections, Managerial, Business, Editorial, Photography, Graduate and Layout.

The production required a lot of work by each member of the various committees, as well as the close cooperation of a large number of the student body.



EDITORIAL SECTION

FROM LEFT TO RIGHT

R. Zeine, Editor
K. Abdali, Apprentice
G. Criticos, Assistant
M. Jurays, Assistant
G. Murr, Apprentice
K. Ahmad, Co-editor



LAYOUT SECTION

FROM LEFT TO RIGHT

Ghassan Azar, Apprentice
Guekuezian Vahe, Co-Manager
Edmund Khouri, Assistant
Yehualashet Silashi, Apprentice
Hani Hakki Hashim, Co-Manager
Nabil Kanafani, Assistant

MANGERIAL SECTION

FROM LEFT TO RIGHT

A. Hamiyeh, Assistant
M. Barazi, Manager
G. Loshkhadjian, Assistant
A. Hashim, Apprentice



PHOTOGRAPHY SECTION

FROM LEFT TO RIGHT

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R. Issa, Assistant
1st row M. Khayat, Apprentice
M. Saad, Assistant
K. Dargowth, Apprentice
E. Sotiropoulos, Manager



BUSINESS SECTION

FROM LEFT TO RIGHT

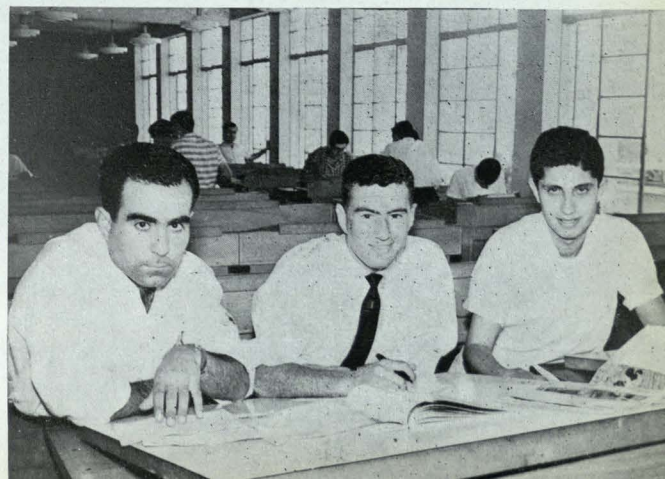
2nd row M. Umaysh, Apprentice
C. Massad, Assistant
R. Mukarzel, Apprentice
S. Mukbil, Apprentice
1st row N. Mavrovouniotis, Apprentice
G. Garboushian, Assistant
M. Abu Ghannam, Apprentice
N. Gargour, Manager



GRADUATE SECTION

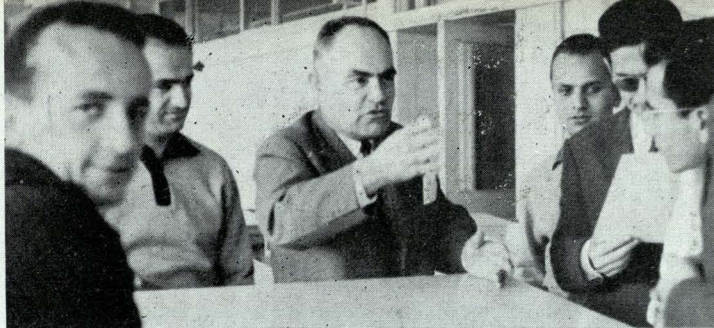
FROM LEFT TO RIGHT

I. Makkhoul, Assistant
E. Bannayan, Manager
I. Hawa, Assistant



AROUND THE SCHOOL





power plant dedication donators

Part of the progress and potential of the School of Engineering is due to various types of Machines, big and small, that have been donated by their respective manufacturers. The faculty and student body are especially thankful to the following:

Blackstone & Co. Ltd. England:

Founded in 1837, enjoy today a worldwide reputation as manufacturers of Diesel Engines both land and marine. From 1900 onward, Blackstone have remained in the forefront of oil Engine design and development, producing the "Hat Bulb" Engine in 1908, and introducing in 1923 the world famous spring injection cold starting Horizontal Engines. The early 1930 brought the vertical E.P.V. range of Diesel Engines. Messrs. Blackstone joined the R.A. Lister group of Companies in 1936.

Metropolitan-Vickers Electric Export, England:

World wide organization dealing mainly in electrical plant and equipment and the utilization of water resources for supply of electric energy.

Brush Electrical Engineering Co. Ltd., London:

A member of the Hawker-Siddeley group, specializing mainly in turbo alternator sets, gas turbines and transformers.

Electric Construction Co. Ltd. London:

Started in 1882 and reconstituted under its present name in 1893, it specializes mainly in manufacture of equipment for complete industrial electrification.

British Thomas-Houston Export Co. Ltd.:

Popularly known as B.T.H., registered in 1896 and has been in the field of design development and manufacture of electric equipment since then. Their work also deals with turbines and electronic equipment.

A. Reyrolle & Co. Ltd.:

Manufacturing electrical engineers since 1906, the firm deals mainly with switchgear.

Siemens Bros. & Co. Ltd.:

Deals mainly with electric cables, has pioneered in underwater telephone lines.

Backcock & Wilcox Ltd.

Started manufacturing well over half a century ago. Being the first to introduce the water tube boiler, they are in the forefront of steam generating practice.

John Thomas Water-tube Boiler Ltd.:

Manufacturers of various types of steam generating plant.

Cohran & Co. Annan Ltd.:

Manufacturers of various types of steam generating plant.

Houchin Ltd.

Manufacturers of electrical equipment.

English Electric Co. Ltd.:

Includes many sub-companies that cover a very wide field of engineering including, Marine, aircraft, industrial equipment and domestic appliances and transformers.

Ferranti Ltd.:

Have been producing electric meters and transformers since 1998.

Fuller Electric Ltd.:

Formerly known as Acea Electric Ltd. Engineers, manufacturers and contractors. Members of the Hawker Siddeley group. Deals mainly in transformers.

General Electric Co. Ltd.:

Founded 1887 has now over 40 factories in England, manufactures and supplies everything electrical, also deals in Atomic Energy.

C.A. Parsons & Co. Ltd. England:

Started 1889 and now manufacture turbines, generators, transformers, compressors; since 1946 dealt with nuclear power development.

R.A. Lister & Co. Ltd. England:

Diesel and oil engine makers; also pumps, electric generating plants, agricultural machinery.

Heenan & Froude Ltd. England:

Manufacturers of Dynamometers.

Black & Decker Ltd., England
J. & H. McLaren Ltd., England
Khairallah Brother, Beirut, Lebanon
Austin Motor Export Corporation Ltd., England
National Oil Engines (Export) Ltd., England
Broome & Wade Ltd., England
Mr. Boghos Najarian, Beirut, Lebanon
Société d'Études et de Construction d'Appareils
de Levage et de Traction, Luxembourg
The Zenith Carburetor Company Ltd., England
Newalls Insulation Company Ltd., England
Mobil Oil Lebanon Inc., Beirut, Lebanon
Vickers-Armstrong (Aircraft) Ltd., England

Spencer-Bonecourt-Clarkson Ltd., England
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United Water Softeners Ltd., England
Clyde Fuel System Ltd., Scotland
Rolls-Royce Ltd., England
F. Perkins Ltd., England
Petters Ltd., England
Mr. Rafael Picon, U.S.A.
Associated British Oil Engines, England
Contracting & Trading Company, Beirut, Lebanon
The Villiers Engineers Co., Ltd., England
Douglas (Sales & Service) Ltd., England

GEORGE STANLEY COLLEY, JR.

An American engineer and builder met death in July, 1958, during the uprising which occurred at that time in Baghdad, Iraq — and with his passing, the Middle East lost one of its finest friends.

At the time of his death, George Stanley Colley, Jr., was a senior vice president and director of Bechtel Corporation, a world-wide engineering and construction firm. For a quarter of a century he had covered a good portion of the globe for the company, lending his talents as an engineer and a leader of men to major projects of industrial development — pipelines, airfields and naval bases, mines and oil refineries among them.

One of the biggest construction ventures of the post-war period was the Trans-Arabian pipeline (Tapline) from the oil fields of the Persian Gulf to the shores of the Mediterranean. In 1947 Colley arrived in Saudi Arabia as vice president and project manager of International Bechtel, Inc., with top field responsibility for building this difficult project nearly a thousand miles across desert wastes. By 1950 the job was finished — a triumph of logistics, for foodstuffs, specially designed equipment, over 7000 items of supplies, hundreds of skilled men and some 265,000 tons of steel pipe had to be shipped nearly half way around the world from the U.S. to the Persian Gulf.

Construction was in George Colley's blood almost from his birth at Wadsworth, Nevada, on July 8, 1902. His association with the Bechtel interests, with which he was to spend most of his business career, also dated indirectly from that time. His father joined W.A. Bechtel as the latter started his own construction firm in the early 1900s; Colley Junior became one of its mainstays as it grew into the present-day Bechtel organization.

George Junior graduated from Oakland High School and went on to the University of California, earning his mechanical engineering degree there in 1926. He joined the W.A. Bechtel Company as an engineer and project manager in 1932.

For two years the U.S. had been racing the clock to construct a chain of naval air bases for the defense of the Pacific. Time was running out in The Philippines, and the Bechtels were asked to augment installations at Cavite on Manila Bay.

Accepting the almost impossible task, Steve Bechtel had no hesitation in choosing the man to get it done. "We'll send out our vice president, George Colley," he told Navy officials. "He can get people to do what they don't know they're capable of doing."

A whirlwind seven months followed as Colley managed the work at Cavite and on Bataan. Then Pearl Harbor was attacked and the Philippines fell. George Colley and his wife, on Navy orders, attempted to escape to Australia in a small boat.

Their groups were captured by the Japanese on January 22, 1942, after getting as far as Borneo. Three and half years of cruel imprisonment and separation followed, with bare survival requiring the utmost courage and ingenuity.

Their release came in September 1945, and the Colleys returned to the U.S. for rest and recuperation. However, Colley was quickly back in harness, and a year of activity had him well prepared for his entry into the Middle East in 1947 for the Tapline job.

As oil began to flow through the line in 1950, Colley was named executive vice president of International Bechtel, Inc., and placed in charge of all the company's work in the Middle East. A year later he shifted his headquarters to New York to manage Bechtel's Eastern Division.

From that spot he performed a noteworthy feat of management between 1952 and 1954, directing construction of the Orinoco project in Venezuela as a U.S. Steel subsidiary opened a rich source of high grade iron ore there. Colley commuted to the job site monthly from New York adding thousands of miles to the imposing total he had logged over the years.

A year later he moved his headquarters from New York back to home base in San Francisco as senior vice president and director of Bechtel Corporation. As chief officer of its International Division, his responsibilities in the Middle East during the next several years included some of the many developments — refinery units, pipelines, gas-oil separating plants, utility systems, highways and railroads — which helped Arabian American Oil Company build up its oil production to approximately one million barrels daily by 1957, as well as refinery units and a new oil-loading jetty for the Kuwait Oil Company in neighboring Kuwait.

George Colley's death came while on a business trip to the Middle East. Stopping overnight in Baghdad with other Americans, he had the misfortune of being in that ancient city on the day when the civil uprisings occurred. He was dragged from a vehicle by rioters and was never seen again.

Colley wrote a short, privately published book about his war time prison experience, and in the concluding paragraphs commented with some feeling:

"One lasting impression that I will always have of my home coming is that Americans can express sincerity of affection, kindness and sympathy more gracefully than any other people."

In those words Colley might subconsciously have outlined his own private philosophy — for sincerity, affection, kindness, sympathetic understanding and grace were certainly among his many attributes.

Quiet, soft-spoken and a tireless business executive, he was a devoted husband and parent as well. His son Peter, now thirteen, and nine-year-old daughter, Elaine, were the delight of his life, and no business trip ever ended without special gifts from afar for the youngsters and their mother.

The honor and respect accorded George Colley is earned by only a few people in their lifetimes. His memory will remain enduringly in the projects which he had a hand in building — but more important, it will be cherished by the construction men with whom he worked and lived, men who were privileged to call him their friend and whose friendship meant so much to him.

OBITUARY

THE GRADUATES

No matter how far they go, or how different their jobs are, all graduates hold at least one thing in common: sweet and tender memories of the good old student days. Similarly, their school, professors and junior friends look with high hopes and great regard to those who have exchanged their class room benches for the more polished executive desks or the rough stones of the field. Ten classes have already graduated since October 1951. The task of representing every body on these few pages is practically impossible. The graduate section of the yearbook decided that it would be best to get in touch with very recent graduates, last year, and older ones, five years ago, inquiring about their activities. The results are as follows.

Nadim Abu-Rahmeh — with a number of A.U.B. graduates, including Dr. Nazih Taleb, Munir Nassar, Makarim Dumit, Samir Abu-Rahmeh, Nadim Boulos and others, Nadim is working with Dar-Al-Handassah, consulting engineers. He worked on the post office extension, salt and chlorine plant for Kuwait and at present is engaged in the design and supervision of Hamra Market Center. Regarding his work, Nadim finds it very useful and offers a graduate a lot of practical and theoretical experience. Special remembrances from school days, include the very successful social activities and the sports events. To this he adds a personal piece of advice: to enjoy university life to the utmost before you leave it!



William T. Haddad After graduating from school William went to Damascus to work as a field engineer in the execution of a shell roofed factory for Kleenex and on a 12 storey dormitory for the Syrian University designed structurally by Usamah Nahhas, a 1960 graduate too. His work is very interesting, tiresome and time consuming to an extent that he does not have time to join any athletic or social organization.

Like many of our graduates who work in remote areas William finds pleasure in reading and in attending movies.

William intends to spend two more years of hard work, and then fall into a harder life which is marriage, where more than engineering talent is required.

As a piece of advice, he urges our "budding geniuses" to develop an interest in the courses given to them and develop good habits at the School for these are the things that stay with one after graduation.

Nadeem I. Zakharia Nadeem is employed by Skanska-Kettaneh Contracting Company in Iraq. He has already completed one important job so far an 18" Dia. water pipeline to supply the new city to be of Um Kasr, which is at a distance of 80 km., from Basrah. Further more Nadeem has developed an interest in techniques of mix control for prestressed concrete piles the manufacture of which represents innovations that interested him most. Iraq, says Nadeem, is a fertile land for engineers, where a lot of large projects are being enterprised, such as the new Bagdad Airport, building of wharves at Um Kasr and many other projects involving city planning.

As special remembrance from school days is the transition from the reign or terror of the first year to the joy of liberation at Commencement. Furthermore he still feels the delight of Professor Hope's chips at his Annual Civil Engineering Party.

Raja Halazun Working in Amman as Chief of planning and programming highway department, Raja does not seem to be much satisfied in his present work, but is looking toward the future which is pushing him to work for the M.S. degree.

Trying to entertain himself as much as possible, he uses the cinema, meeting with friends, and daily chats at the Orthodox Club. Occasional visits to Beirut give him a break from the rather routine way of life there.

A precious advice which Raja sent us goes as follows: "To get, not to have is the source of happiness", so to exemplify this he adds by saying "enjoy getting your degree, once you have it, it will lose much of its halos."

Halim Hamd Living in a desert atmosphere, with all the meaning of the word, Halim is holding the position of an "Assistant Project Engineer" with Mother Cat Co. in Qatar. Halim worked on the construction of 57 miles of 10" pipeline for gas and a 16" water line. His work seems to be quite interesting, because it happens to be his means of entertainment too. School days for him offer a lot of memories and he finds them good and easy even when working all night at the drafting room; which is not a very uncommon thing in our School. Studying abroad after two years of real hard work is his prime aim, and to do so, he adds, studying hard every course offered at School is the back bone of a sound engineering career.

Ali Suhaymat Working in Jordan as an Assistant District Engineer, Ali helped in quite an interesting project, and that is the execution of the new highway leading to the famous old town of Petra, which is becoming a tourist center.

Jordan, Ali says, offers young engineers many chances of interesting work which are good to improve his profession due to the many varied projects carried out there, such as, the Desert Road Project, the Refinery Project, the East Ghor Canal and many other things. As other graduates he recalls well the football game between the Engineering and the Arts and Science School. These are golden days to him compared to the desert life he is leading just now.

Adnan Derbas Serving now as an assistant project civil engineer with Dar-Al-Handassah, Adnan feels proud to be working with such a firm that can cope with large projects in various fields, which are of prime importance in developing the economy and technology of the Arab countries.

Skilled engineers are most needed in our country, Adnan adds, and for this, students must build a good theoretical background, realize that hardships encountered at school are but a minor fraction of what they will face in their profession, and that character as well as true leadership qualities constitute a major aspect of the successful engineer's career.

Adnan has high hopes for his future and intends first to develop a vast experience in his profession and then do graduate work abroad.

Faruk Zein Good management and personality is what a young graduate needs when he acts as a construction Engineer for the Athletic Military School Project, consisting of 15 buildings near Damascus. Formerly he has been engaged in the construction of a reinforced concrete three hinged frame building and a preliminary research on plastic design.

Leisure time goes in attending movies, group meeting of friends, and school remembrances such as the first year days when students look at fifth years as miracles and geni.

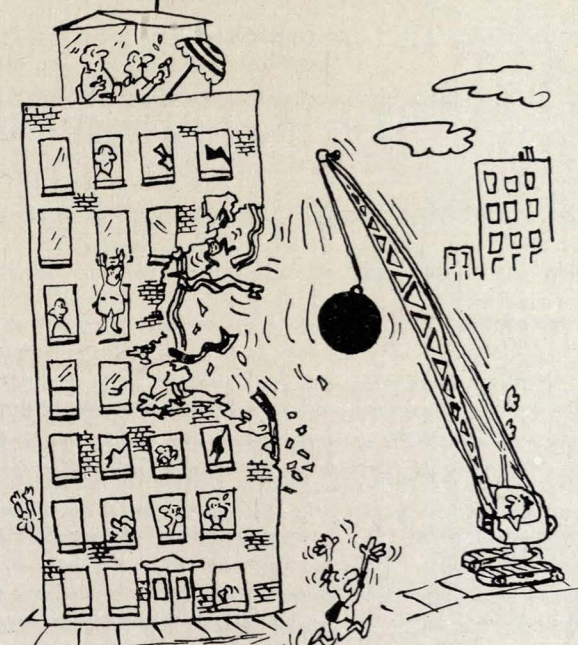
Future plans include further studies in the United States, but not early marriage as others might do.

Stelio Scamanga Stelio has not moved far, since he is working at the office of Prof. Raymond Ghosn in Beirut. He also took the job of designing a four stories apartment building near Eden-Rock. His work is very necessary, Stelio comments and is good from all points of view for the future.

Stelio's ambitions have not waned a bit since he left School, because he intends to travel to Europe and work there. This will also serve as a test for the realization of his artistic ambitions.

School days offer him a lot of memories especially those days when the architects are so busy preparing for the decoration of the ball, the show and a lot of other interesting things that are brought to realization by the artistic achievements of that group.

A MISTAKE IN SCHOOL CAN PUT YOU ON PROBATION, A MISTAKE OUTSIDE CAN PUT YOU ON A ROPE. Rajathalazum



"Hold it, Hank - Wrong building!"

Murad Ghulmieh With his partner Maurice Salem ('58) Murad is running a private contracting office in Beirut. His work is diversified, and a lot of effort must be put into it before one could get truly acquainted with the gist of it.

Still living in Beirut, nothing seems much to have changed for him, except that he is the master of his own self now. The feeling of being a student annoys him no more, nor the burden of lessons haunting him and yet he finds in school days a real basis for one's development in life. We wish him the best of luck in his career and a happy successful future.

Mahmoud Abdul-Baki Mahmoud is working in Aden with C.C.C. The place is not paradise as is thought off-hand. But to compensate for it, he has quite an interesting and beneficial job, mainly work on the construction of a drainage scheme including 12 miles of sewers and 2000 feet outfall into the sea. The outfall job is quite an intricate one and may be the first of its kind in the Middle East.

Means of entertainment are not well developed over there in the full sense of the word, and so he spends most of his leisure time in reading, attending movies and planning for the future such as resuming studies after four years of real tough work in the desert. And last to mention but not least, Mahmoud advises us all at School to take courses, seriously and then hope for the best.



fuad fuleihan '60. With the ever increasing demand for specialized and skilled engineers in the Middle East, Fuad is doing graduate work at the University of Wisconsin, to get that necessary touch of refinement in the field of structures. His studies could not be more interesting, especially since the campus of the University is one of the most social and liberal places in the U.S. This suits the ever social Fuad well and offers him quite an opportunity to prove himself more social than he used to be here.

At the moment he is quite concerned with the present and is not planning for the future. He advises our "budding geniuses" to follow his footsteps. We can't foretell that this could be a means of success in life, but we will let Fuad be the pioneer and prove the worth of this advice.

ibrahim samaha '60. The art of dealing with people is the thing that Ibrahim is learning and seems to enjoy most at his work with the Municipality of Beirut.

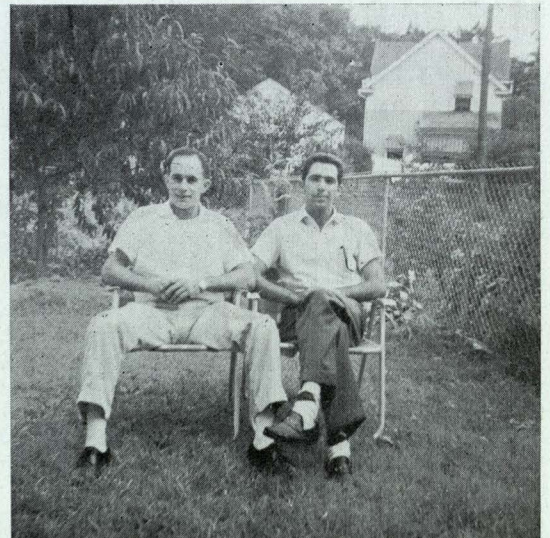
Like most of our graduates, who hold government positions, their desire is to establish a private enterprise of their own. This is the case with Ibrahim, who intends to do so after acquiring more knowledge through future studies — the first step toward solving his smoldering problems as an engineer.

nazih nasrallah '60. In the hands of Nazih lies the construction of the new welding shop and the water tank near the Engineering School, this keeps him quite close to his Mother School and is a source of refreshment for his student-day memories.

Employed as a Site Engineer and control officer for Contractor Fahmi Karagulla in Beirut, he is also working on five roads in Yarzé, which according to Nazih is the best job he has had. He plans to continue work like this for the coming two years and then might work on his own, where personal management is the corner stone of a successful and paying career. The best of luck to him.

haralambos harris '60. In the world famous M.I.T., Mass. (U.S.A.) Harris is working for his M.S. and then if all goes well, he plans to continue for his Doctor's Degree. "Graduate work, says Harris, "unlike undergraduate work tends to be more thorough and comprehensive with more effort on the part of the student." Prior to joining M.I.T., he worked with Jackson and Moreland in Boston, on the design of a Nuclear Reactor Power Station for Puerto Rico.

"Civil Engineering has become so intensive a field, and has opened into such broad lines," comments Harris, "that it is no longer true to call it the most 'empirical' of the engineering branches. Such new frontiers as the use of digital computers to cope with complex structural problems, the broadening of research in soil mechanics and transportation, and the extension in the field of clear sewage disposal, have created tremendous impetus to this 'traditional' branch of civil engineering. The person who pursues these more complex problems is inevitably faced with the need for a basic and workable understanding of higher mathematics and the physical laws, and that is why our students must be diligent and thorough in their studies, if they care to join the ever advancing techniques of this profession."



usamah rayis '60. Usamah is engaged as Chief Engineer in charge of Damascus T.V. transmitter, and other types of work pertaining to T.V. To keep up with this work required lots of effort, including a fourteen hour work day and a lot of outside reading in line with his profession. Thus it is no wonder that our dear graduate finds no time to entertain himself properly in the social field.

It seems that T.V. business has fascinated and cast a special spell on him, so much so that he intends to remain in this line of work for good and join a big Television Equipment Company such as R.C.A.

Intensified concern about life and the future is not advisable, says Usamah, and taking it easy is the most natural way to face life and its problems.

isam maher '60. Isam is working at the Public Works Department in Beirut, and at the same time with the ever smiling Adel Abu-Nasir ('60). For the first time they are studying traffic volumes on all Lebanese roads, a must in modern highway engineering.

Nothing has changed much for him as far as social life is concerned, except that he recalls school days now, especially those of "shabab" in the Wednesday assembly.

Leaving the public works and working with a private firm, is his prime aim and objective. He adds a little suggestion, be friendly to every to-body, for this makes one's future a lot richer and easier.

vram yeparian '60. Knowing how to think and using good judgment, as the Dean and Prof. Yeremian preach, is essential to the development of a sound engineering career. Golden opportunities are offered at school to develop these two distinct features. Graduating from school with these ideas well settled in his head, Vram used good judgment, got married and joined the Highway Department of the Lebanese government as a design engineer.

Presently he is working on the design of an interchange at Khaldé and on the continuation of the high speed highway beyond it. In the near future he plans to start a private office of his own, which is the real aim of every graduating engineer.

usamah nahhas '60. Back home in Damascus, is working with the Damascus Water Supply Administration (Feegeh), where he is in charge of the construction of two water supply reservoirs of 4500 cu.m. capacity. He is very much interested in his work. He says, "The construction of reservoirs is rather unusual and quite challenging for a beginner like me." He was also responsible for the structural design of a 10 storey dormitory for Damascus University while he was working in a private office prior to developing an interest in water supply.

For the free, on the-spot entertainment he uses television and private parties. School days still hum in his ears. Usamah advises the following: "Stress the basic principles until they become part of your feeling, then and only then they adhere and stick in your mind permanently."

edward akkawi '60. In a broad sense most of our 1960 graduates employed in Iraq are working in port construction, and so is Edward who, as a site engineer in Basrah port, took part in the construction of the four wharves built there. Recently he has been transferred to a new building project of a harbour and a pre-planned city at the Arabian Gulf. Estimates for the cost of this project amount to 7.5 million Iraqi Dinars, and will take three years to construct. Painstaking as it might see, together with the fact that the weather is very hot during summer and cold during winter, the work is acceptable for the coming three years, after which he plans to resume his studies abroad.

"Chances are quite high," says Edward, "that a civil engineer, will have to repair machines on site in case of an emergency." He urges civil engineering students to pay more attention to mechanical and electrical courses, which could be quite useful in their field.

alfred rizk '60. In the far-flung corners of the Arabian Gulf, Alfred ('60) is engaged with Skanska-Kettaneh Contracting Company. For a while he helped in the construction's lay-out of Basra wharves, and later was responsible for all ordinary steel reinforcements on site. The work offers him valuable experience in a multitude of things, such as prestressed concrete piles, precast slabs, pile driving, sheet piles.

Construction projects are booming in Irak nowadays, such as Um-Kasr sea port, Bagdad airport and a suspension bridge. Thus there are a lot of opportunities for engineers in all their fields. One of the long-standing difficulties encountered by our graduates working in Iraq is the inability to establish a good social life. Some, like Alfred, try to improve it by joining clubs, being athletic or even reading engineering pamphlets!

wail sa'di '60. Together with ALFRED RIZK ('60), NADIM ZAKHARIA ('60), CAROL KHOURI ('58), FAWZI KAWASH ('58) and MOBADDAH SUAYDAN ('57), is working with Skanska-Kettaneh Co., in Basrah, Iraq. He helped in setting out all constructions at Basrah port, and in laying out the center line for an 18" Dia. water pipe to Um-Qasr. Like most of our graduates there, he spends his leisure time in reading, engaging in athletic activities or spending a few hours at one of the good clubs. One matter that could be annoying is the conservative attitude of the people. This won't last long for Wail, since he intends to take up graduate work abroad later.

Wail suggests that we should learn as much as possible from the material offered and not to limit ourselves to it, but always strive for more.

george sallum '60. A significant thing about George's work as a contracting engineer in Hasakeh — Syria — is that it gives him practice in making decisions. He pays glowing tribute to the School for providing him knowledge and experience which can hardly be found with engineers of six years experience, from other Schools. Lots of projects are being carried out in Syria such as hospitals, bridges, highways, sewers and sanitary works, so the demand for engineers is quite high.

It is humorous that going to Hasakeh has caused George to forget all about such words as social life and entertainment. To him now they are ancient, or to be more moderate, medieval history. He will be joining modern history when he goes for graduate studies abroad.

elias abu'Saba '56. A structural engineer with Blaw-Knox Co. Pittsburgh, Pennsylvania, U.S.A. Elias finds his work challenging and interesting. He was responsible for the design of a 240 ft. dia. parabolic Antenna and other various intricate engineering problems. Ever since graduation, and in addition to his present work, Elias is preparing for the PH.D. which seems to be exceedingly time consuming. He spends much of his free time catching up with School work. On the other hand this is balanced by the social life that a large city like Pittsburgh can offer.

School days offer him a lot of memories especially those of the sleeping hours in some of the afternoon sessions. He intends to revisit Lebanon this summer for six weeks to enjoy for a while his mother country and Alma Mater.

hagop kitabjian '56. The new trend in engineering is having either highly specialized or broadly trained engineers. Hagop, in a way, is trying to achieve both. In an effort to satisfy the former he received an M.S. degree in architecture (Feb. '58) and is now attending an evening college to attain an M.S.C.E. from Drexel Institute of Technology. To achieve the latter he is working in Philadelphia with an architectural office that has designed the world's largest apartment building and will soon design the tallest (60 stories). His work offers him the rare opportunity of making very important decisions concerning overall planning of site, architectural expression of building, choice of structural system, interior decoration, etc...

Hagop spends most of his free time preparing for his M.S.C.E., but still can afford a few hours to hear classical music, because in reality without music life is a mistake. These relaxing hours offer him the chance to think of the cherished school memories such as the "Tarboush Day", Professor Yeramian's "funny faces", and the glorious football matches.

To be an effective professional person, a healthy development must be assured through three main channels. First, know what is expected of you, secondly, never give up in difficulty and, thirdly, pick your profession on the basis of suitability rather than anything else.

george nasr '56. George's first concrete task after graduation was preparing for his Master's Degree in Civil Engineering ('56-'58) at Lehigh University, U.S.A. While there, new vistas in bridge design were developing and George could not resist joining the tide of progress. So he worked on the design of post-tension and prestressed concrete bridges worth over \$600,000.

In an effort to dedicate his professional experience to the welfare of the Middle East, he came back and joined the Public Works Department — Kuwait, where he is in charge of the supervision of \$2,000,000 building construction.

One gathers from George that Kuwait has greater need of construction rather than design engineers, especially since it is expected that an International Airport, a sea wall and a sewage system for Kuwait will be built in the future.

emile fares '56. No graduate ever held as many positions in four years as Emile Fares. He worked with Tapline, Public Works Department in Beirut, Point Four in Lebanon, and presently to change the routine, he is working on his own in Beirut. During these periods he undertook various jobs, such as the execution of a pump house in Saudi Arabia, Design of Beirut-Damascus highway, and others. His new job, however interesting, yet seems to be tedious in a way to deal with clients and follow day to day government formalities.

Once out of School, Emile says, the good days, are those of School days. To revive such days but in a different and more reasonable way, he plans to travel to Europe and other countries. Good luck.

adil abu-nasr '60. "There are many possible ways of becoming a successful engineer," says Adel, "but one needs most a good personality, if one is engaged with the Ministry of Public Works in Lebanon." His work, which is actually more administrative than technical, is concerned with the classification of Lebanese roads, numbering and rating them according to importance. With free afternoons on his hands, he thinks of finding another job to supplement his present one.

Adel, who is considered to be the best cheer leader ever to have come to our School, still recalls those glorious days, when Engineering was (and is still) the football champion of A.U.B. We thank him again for his marvellous cheers which used to boost our morale.

munir boulos '56. As part of the tremendous effort to give the Phœnicia Hotel in Beirut a final touch, the work of Munir as field engineer supervising all the finishings, is quite noticeable.

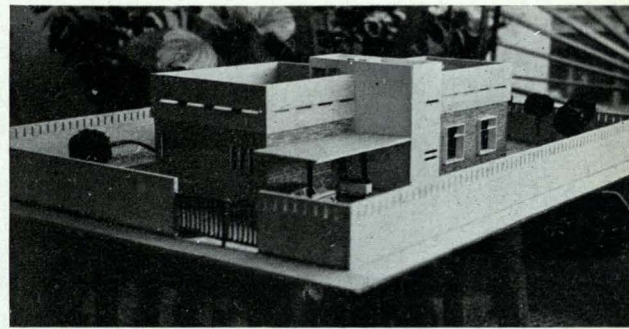
Directly after graduation, he went to the States for an M.S. degree in Soil Mechanics and Transportation. Later he joined Getty Oil Co., being in charge of the Engineering Department. Two years of tough desert life were enough to give him a priceless experience both in life and his engineering career.

"Don't think too highly of yourselves when you graduate, but listen and learn from everything that goes on." This is the advice that Munir offers us.

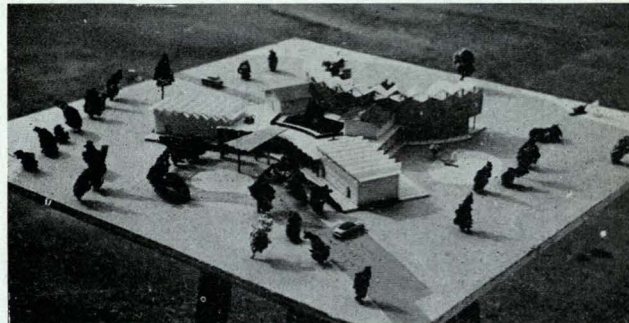


ara bilezikjian '56. Registered since October '58 at the Technical University of Munich, Ara is preparing a thesis in city planning, and at the same time working in an architectural office there. Formerly he was engaged with the National Board of Construction, Beirut. Ara seems to be a Jack of all trades in entertainment affairs and at the same time master of them all. He belongs to the German Association of Hunters and a Fencing Club in Munich. Furthermore he joins gay trips and enjoys going to the opera. With all this he still recalls the jokes of his dearest classmate Victor Shiber. Work hard and relax hard by participating in athletics, is what Ara urges us to do.

victor shiber '56. To many of us Victor is familiar as an ex-football champion. He is still athletic in spirit and enjoys joining athletic organizations such as the "Beirut Softball League". Victor's out door activity is a break from his work as an architect with the Société d'Entreprise et Construction (SEC). His entry in the design competition for a low cost housing project in Kuwait, was one of the three winning designs, as was his design for a Sheik's palace in the same locality.



Being of an ambitious and adventurous nature, he intends to establish a private firm with N. Majdalani ('55) and also to travel to the Far East and enjoy the marvels and charms of that wonderful part of the world.



edward naman '56. Perhaps nothing could be more fitting for Edward than being the Manager of Naman Motors Co., a big business belonging to the family. He still finds time to join organizations such as L'Association des Importateurs d'Automobile au Liban. He plays bridge — a major habit developed since school days.

In such work as his, he finds curious incidents such as the case of the man who wanted a 7 cylinder car to be as fast as an 8 cylinder and as economical as a 5 cylinder one. The idea of having such a car might drive automobile manufacturers crazy.

Travelling abroad is one of his future plans.

charles haddad '56. The tremendous strides that have been made in city planning throughout the world, have earned it recognition as a distinct professional field. Charles was fascinated with the subject and took it up as a career. From November, '56 till October '59, he was employed by the Public Works Department of Kuwait, in the town planning section, where he was responsible for the planning and development of the villages and a neighbourhood unit. Now he is a graduate student at Yale University, U.S.A., and is scheduled to graduate by June '61 with a Master's Degree in city planning. His thesis concerns the Central Business District of New Haven. Meanwhile he is employed part time by the Planning Commission of the city of New Haven, working on the design and planning of various sections of the city.

As a patriotic and conscientious young man, he intends to come back and serve the Arab Countries.

nadim boulos '56. On leaving School, Nadim worked as an architect in Beirut. After three years of practical experience, he went to the States and got a Master's degree in architecture at Columbia University. Now, back home, he has resumed his architectural career.

"One cannot imagine the role that School memories play in ones life" says Nadim, "They always come to mind and are like humming birds reminding us of the good old days." Nadim remembers specifically the solidarity of mutual understanding between engineering students.

khaled musfi '56. "Life is not a bed of roses," goes the saying, "but is full of obnoxious weeds." It is the sort of thing that applies to Khaled who, through hard work and perseverance removed some of these weeds and is now enjoying the fragrant smell of the roses.

Four and a half years ago, Khaled recalls joining the M.E.A. with a salary of L.L. 360. He realized that this field is worthwhile for engineers, where virgin soil, so to speak, is in abundance for our "budding geniuses" to flourish in. He started as a trainee with over-alls and dirty hands and from there he began advancing from a "trainee" to an "inspector", to a "section inspector", to a "supervisor", and now to a "superintendent". He is in charge of electrical instruments, radio and radar work in the M.E.A. hangars, where the responsibilities are quite large.

During his stay with the M.E.A., he spent a year and three months in England, where he acquired two aircraft engineering licences from the British Registration Board, which are considered a must in this line of work and are a measure of proficiency.

Every day he meets an interesting project with its multitude of problems, and often works far into the night. He has written numerous technical reports and made economic studies, which required special trips to England to gather the required information.

We find in Khalid's work a true engineering spirit and hope more of our graduates will follow his example and achieve similar results.

The Engineering Student body is a highly organized professional entity which carries the full responsibility for its own activities. It functions through the fully operative students' organizations, the E.S.C. and the E.S.S. The School provides this wide variety of Extra-Curricular Activities to develop the total personality of the Engineering Student.

As a first step towards enforcing the idea, informative regulations are issued by the Extra-Curricular Activities Committee, which is in full charge of recording and reporting the Students' Activities.

The requirements are in terms of hours which are either the direct count of hours worked or the equivalents due to the Student's Association with authorized societies, clubs or publications of the University.

As this system was started in 1959, each Student was required to fulfill a quota of a minimum number of hours. The method proved fruitful and the studies carried out on the total counts are used as the basis for the new system.

Although the idea is met with different reactions, the results of the studies carried out prove the possibility of the survival and progress of the system.

I believe that all the committee has achieved till now is still in the range of study to give an insight into the problem, and by a bit of more work on controlling the reporting system, the first step would have been achieved.

D. KHALAF

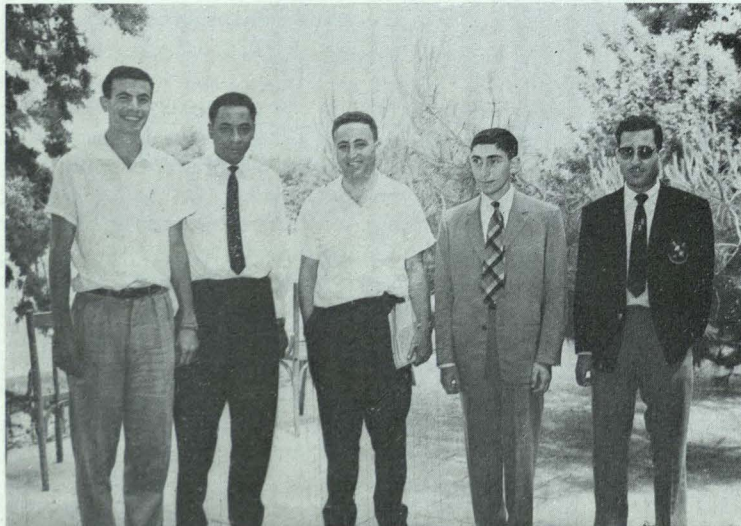
Chairman Extra Curricular Activities Committee

extra curricular activities

COMMITTEE OF EXTRA CURRICULAR ACTIVITIES

FROM LEFT TO RIGHT

Ghandur Z., Ahmad K., Prof. A. Bitar, Advisor, Kudsi F., Khalaf D.



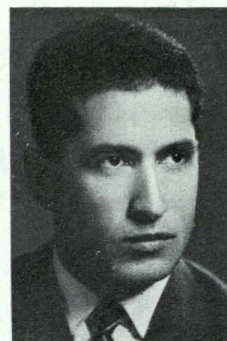
haidar ali noori - '61 Haidar Ali Noori was born in Kabul, Afghanistan in May 1933 and had his high school education in the Afghan Institute of Technology where he studied some surveying. In January 1953, upon finishing high school, he started working as a surveyor with a construction company in Kandahar, Afghanistan. In the mean time he got engaged and remained as such till 1956 when he decided to get married. This decision was forced upon him by the fact that he wanted to continue his studies at A.U.B. In fact he was very late in his plans, so he got married in July 19, 1956, and in July 21 i.e. 2 days later, Noori came to Beirut leaving his wife behind.

The unfamiliar atmosphere at A.U.B. and the heavy academic load in Freshman class (22 credit hours) together with being away from his wife gave him the shock of his life, but surprisingly he over came them all and was able to enter the School of Engineering.

The summer of 1958 was a great relief. Upon taking a special examination in surveying he saved himself the problems of a hard life in camp including the troubles in Lebanon; more over, he was able to go home and spend two wonderful months with his wife.

They have no children yet because Haidar wanted to share with his wife the troubles of raising them.

Haidar says "getting married is wonderful, but leaving her behind is heart breaking, so, please don't do it".



families



markar markarian-'61

carol tayard - '61 A very sensible child never accepting any remark especially from teachers, Carol lost interest in School thus forcing his father to assign him a private nurse and teacher at home. His mother, sensing his extreme inclination to music and art, registered him at the Lebanese conservatoire for violin lessons and bought him all necessary equipment for painting.

By the age of twelve he became more related and accepted School as a necessity. While still in the elementary, he showed great interest in painting and color appreciation. Having learnt French at home, it was easy for him to learn English quickly and pass directly from 6th to 8th grade in Preparatory School. This incident replaced his shyness with self confidence and enabled him to join many School Clubs and Social Activities. He was one of the founders and active members of the voluntary controllers of tourism, 1955. In time his paintings became more mature and were exhibited once in Unesco and several times in A.U.B.

After graduating from Prep he was advised to go into sciences. This coincided with his aim of becoming an Architect, so he went on to enter the School of Engineering. A steadily growing friendship which developed along six years with Leila ended by marriage during the mid-year vacation of 59-60.

1960-1961 will end his School life and though he will graduate with a degree in Architectural Engineering, he has much more to learn especially on how to change the diapers of his baby girl — Bettina.

khalid sadiq - '63 A Palestinian refugee in Syria, U.A.R., matriculated in 1946 and studied for "London Intermediate" at the Government Arab College, Jerusalem. His studies were discontinued after the Palestine Catastrophy in 1948. He planned to earn his living, to face his responsibilities towards his dependents and to save as much as he could, for his mind was set on continuing his studies whenever his financial status allowed him to do so. He worked as a teacher with the Syrian Government from 1948 - 1952 and with Kuwait Government from 1952 - 1959.

In 1959 he joined the Engineering School, A.U.B. He married in 1952, and he has three children .

fuad q. hassun - '61 Born in Haifa, Palestine 1931, got elementary education in the Government School, Haifa, and completed the first secondary class in the same School. During this period he learnt the laundry business in the family's laundry, which made it possible for him to start a laundry business in 1948 after the Palestinian crisis, when he became a refugee in Tyre, Lebanon. In 1950 he got married.

Between 1948-1950, while in the laundry business, he prepared for a teachers examination, which he passed, and was appointed teacher in a Refugee Elementary School and later in a Secondary School.

In 1956 he passed the G.C.E. in five subjects and felt that he was ready to continue his university studies at A.U.B. in order to become an Engineer, — A cherished dream. At that time, he had four children, namely: Munir, Suheir, Ghassan and Abdul-Karim. Now in June 1961, he will graduate with a Bachelor of Civil Engineering, to join his family which has increased by two children (Nuha and Ismat).

Hassun says, "I found it an advantage to be married during my student life. It gives a man satisfaction, and he does not have any of the distractions a Bachelor would have. On the other hand, I would advise young couples to be a little more careful about the number of their children."

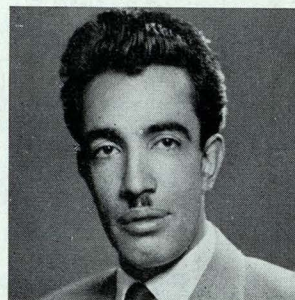


TECHNICAL TRAINING PROGRAM

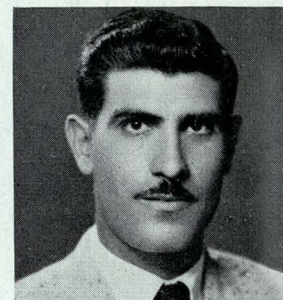
Students of the Technical Training Program at the School of Engineering participate in either one of the following branches: Mechanical, Power, Electrical, Architectural drafting or surveying. By undergoing a period of apprenticeship under professional supervision in their respective fields, the trainees grasp a wider and more profound knowledge of their subject. This enables them on one hand to achieve a high standard in executing their Engineering duties, and on the other to pass on their experience to their Juniors.

All students, whether with or without previous experience, are given reorientation courses in Mathematics and Physics.

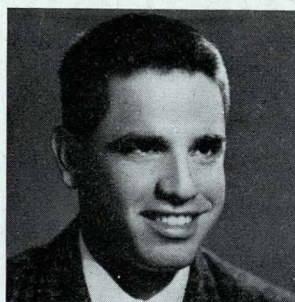
The class of '61 Technical Training Students wish to thank their staff for their inspiring guidance, also the E.S.S. and the E.S.C. for their cooperation and assistance.



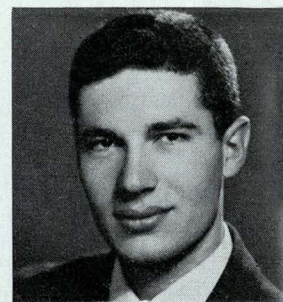
Gilaman, Gholam Sidiq
Afghanistan



Mashal, Musa
Jordan



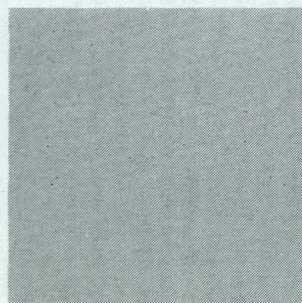
Moatakef, Abdolsamad
Iran



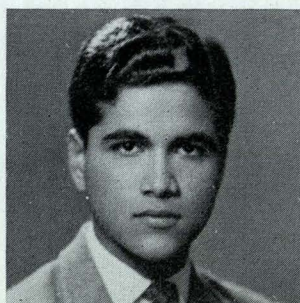
Mozdab, Khosro
Iran



Mirza, Haidar Ali
Pakistan



Saeed, Muhammad
(In absentia)



Uddin, Siraj
Pakistan



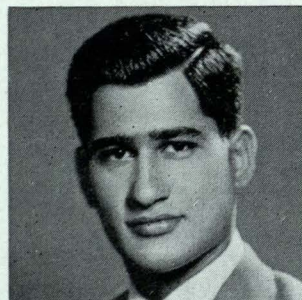
Fazl-Lavassani, Nosratollah
Iran



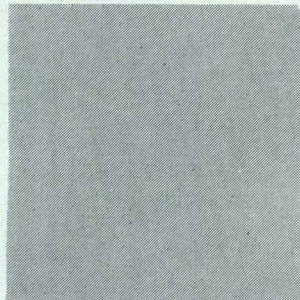
Masjidi, Masjidi
Afghanistan



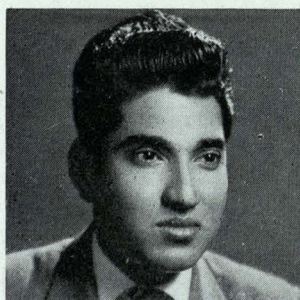
Sajed, Abu-Wajed Muh.
Pakistan



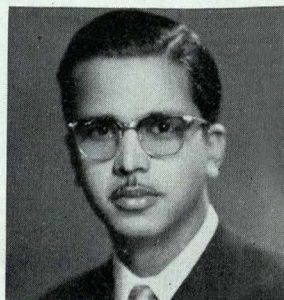
Kazmi, Ali Mehdi
Pakistan



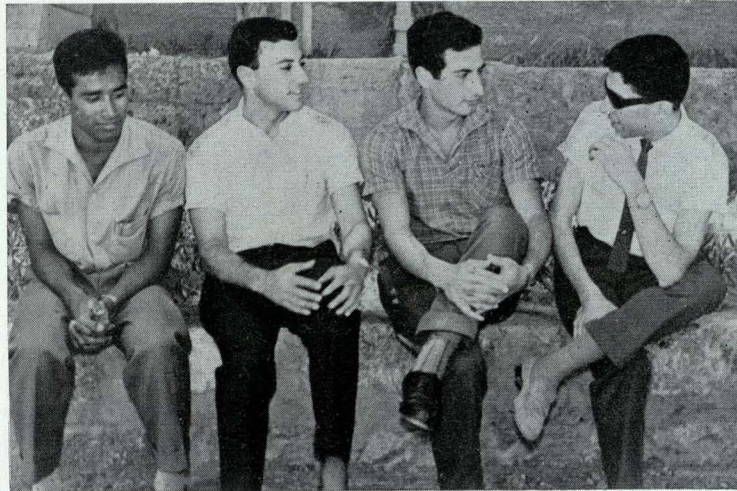
Khan, Muh. Mazharullah
(In absentia)



Faridi, Muh. Atiq
Pakistan



Sheikh, Zia-ul-Rahman
Pakistan



OUTLOOK REPORTERS :

FROM LEFT:

Ali, M.
Ghargur, N.
Imad, F.
Kanafani, N.

This year the E.S.S. decided to increase its reporting staff to Outlook and therefore appointed the above four students. These carried out their job of faithfully reporting all news concerning the School and its activities. Nabil Kanafani started a new series called "Tit-Bits" which was about funny circumstances and jokes. It became one of the most attractive columns in the newspaper.

CONGRATULATIONS

The PENROSE AWARD is conferred every year to one graduating student from each Faculty. The award is granted to the student for his "Scholarship, Character, Leadership, Contribution to the University".

The recipient of the PENROSE AWARD this year was Sana, Abdus Samad '61, Civil Major. Ziad Ghandour '62, was elected "BEST ENGINEERING ATHLETE" for the year 1960-'61.

ACKNOWLEDGEMENTS

The Yearbook Committee wishes to express their deep appreciation and indebtedness to Professor R. S. Ghosn whose kind guidance and constructive criticism have contributed a lot to make this book what it is, to Mrs. Mirshak for her kind help in reading and correcting some manuscripts, to Miss N. Ghorayeb, Miss S. Koumashian, Miss J. Nimeh and Miss R. Manneh who took the great trouble of typing the manuscripts and to all those who have in other ways helped in the preparation of the issue.

CANONS OF ETHICS FOR ENGINEERS

foreword

Honesty, justice, and courtesy form a moral philosophy which, associated with mutual interest among men, constitutes the foundation of ethics. The engineer should recognize such a standard, not in passive observance, but as a set of dynamic principles guiding his conduct and way of life. It is his duty to practise his profession according to these Canons of Ethics.

As the keystone of professional conduct is integrity, the engineer will discharge his duties with fidelity to the public, his employers, and clients and with fairness and impartiality to all. It is his duty to interest himself in public welfare, and to be ready to apply his special knowledge for the benefit of mankind. He should uphold the honor and dignity of his profession and also avoid association with any enterprise of questionable character. In his dealings with fellow engineers he should be fair and tolerant.

professional life

Sec. 1. The engineer will co-operate in extending the effectiveness of the engineering profession by interchanging information and experience with other engineers and students and by contributing to the work of engineering societies, schools, and the scientific and engineering press.

Sec. 2. He will not advertise his work or merit in a self-laudatory manner, and he will avoid all conduct or practice likely to discredit or do injury to the dignity and honor of his profession.

relations with the public

Sec. 3. The engineer will endeavor to extend public knowledge of engineering, and will discourage the spending of untrue, unfair, and exaggerated statements regarding engineering.

Sec. 4. He will have due regard for the safety of life and health of the public and employees who may be affected by the work for which he is responsible.

Sec. 5. He will express an opinion only when it is founded on adequate knowledge and honest conviction while he is serving as a witness before a court, commission or other tribunal.

Sec. 6. He will not issue ex parte statements, criticisms, or arguments on matters connected with public policy which are inspired or paid for by private interests, unless he indicates on whose behalf he is making the statement.

Sec. 7. He will refrain from expressing publicly an opinion on an engineering subject unless he is informed as to the facts relating thereto.

relations with clients and employers

Sec. 8. The engineer will act in professional matters for each client or employer as a faithful agent or trustee.

Sec. 9. He will act with fairness and justice between his client or employer and the contractor when dealing with contracts.

Sec. 10. He will make his status clear to his client or employer before undertaking an engagement if he may be called upon to decide on the use of inventions, apparatus, or any other thing in which he may have a financial interest.

Sec. 11. He will guard against conditions that are dangerous or threatening to his life, limb, or property on work for which he is responsible, or if he is not responsible, will promptly call such condition to the attention of those who are responsible.

Sec. 12. He will present clearly the consequences to be expected from deviations proposed if his engineering judgement is overruled by non-technical authority in cases where he is responsible for the technical adequacy of engineering work.

Sec. 13. He will engage, or advise his client or employer to engage, and he will co-operate with, other experts and specialists whenever the client's or employer's interests are best served by such service.

Sec. 14. He will disclose no information concerning the business affairs or technical processes of clients or employers without their consent.

Sec. 15. He will not accept compensation, financial or otherwise, from more than one interested party for the same service, or for services pertaining to the same work, without the consent of all interested parties.

Sec. 16. He will not accept commissions or allowances, directly or indirectly, from contractors or other parties dealing with his client or employer in connection with work for which he is responsible.

Sec. 17. He will not be financially interested in the bids as or of a contractor on competitive work for which he is employed as an engineer unless he has the consent of his client or employer.

Sec. 18. He will promptly disclose to his client or employer any interest in a business which may compete with or affect the business of his client or employer. He will not allow an interest in any business to affect his decision regarding engineering work for which he is employed, or which he may be called upon to perform.

relation with engineers

Sec. 19. The engineer will endeavor to protect the engineering profession collectively and individually from misrepresentation and misunderstanding.

Sec. 20. He will take care that credit for engineering work is given to those to whom credit is properly due.

Sec. 21. He will uphold the principle of appropriate and adequate compensation for those engaged in engineering work, including those in subordinate capacities, as being in the public interest and maintaining the standards of the profession.

Sec. 22. He will endeavor to provide opportunity for the professional development and advancement of engineers in his employ.

Sec. 23. He will not directly or indirectly injure the professional reputation, prospects, or practice of another engineer. However, if he considers that an engineer is guilty of unethical, illegal or unfair practice he will present the information to the proper authority for action.

Sec. 24. He will exercise due restraint in criticizing another engineer in public, recognizing the fact that the engineering societies and the engineering press provide the proper forum for technical discussions and criticism.

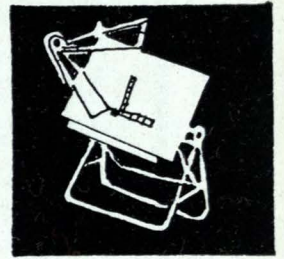
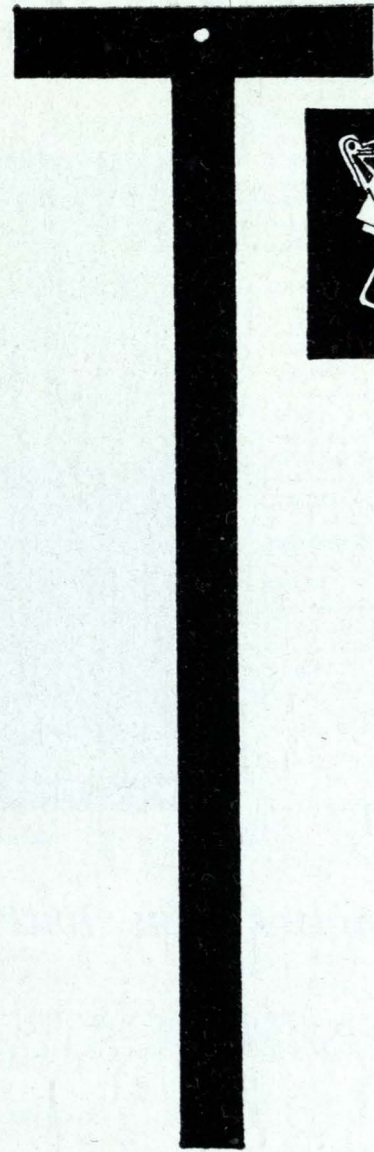
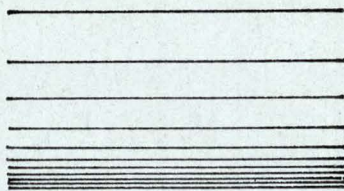
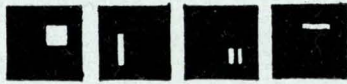
Sec. 25. He will not try to supplant another engineer in a particular employment after becoming aware that definite steps have been taken toward the other's employment.

Sec. 26. He will not compete with another engineer on the basis of changes for work by underbidding; through reducing his normal fees after having been informed of the charges by the other.

Sec. 27. He will not use the advantages of a salaried position to compete unfairly with another engineer.

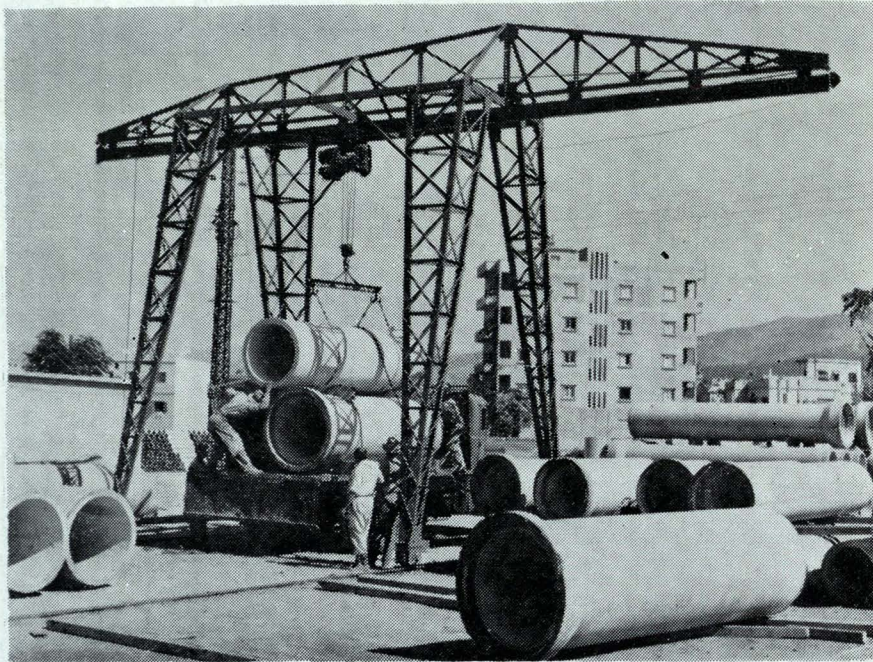
Sec. 28. He will not become associated in responsibility for work with engineers who do not conform to ethical practices.

(Adopted by Engineer's Council for Professional Development October 25, 1947).



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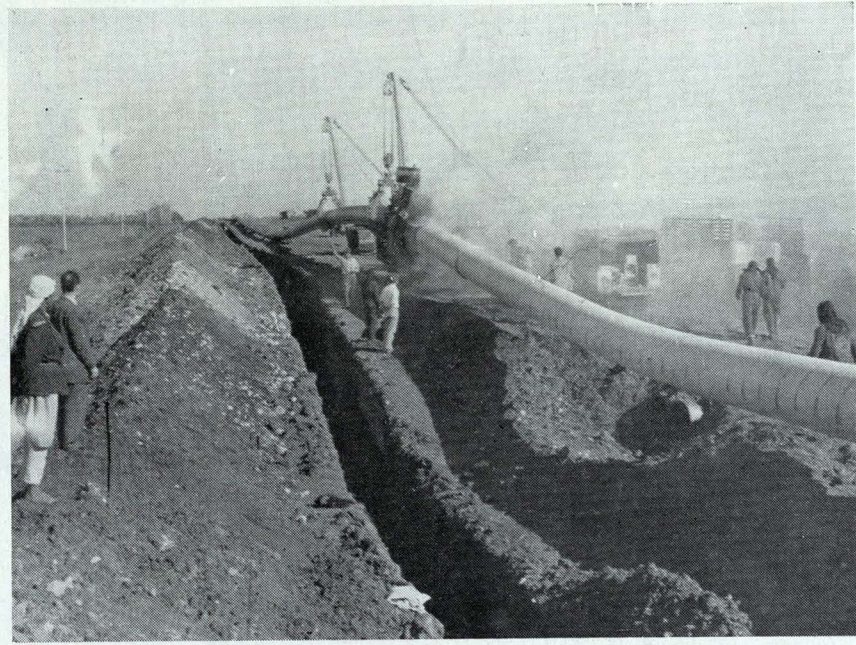
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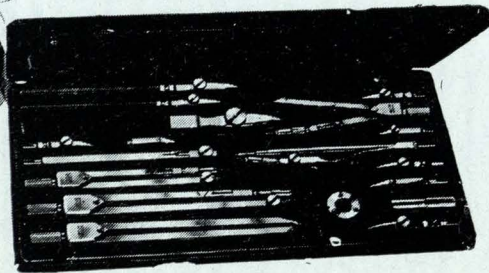


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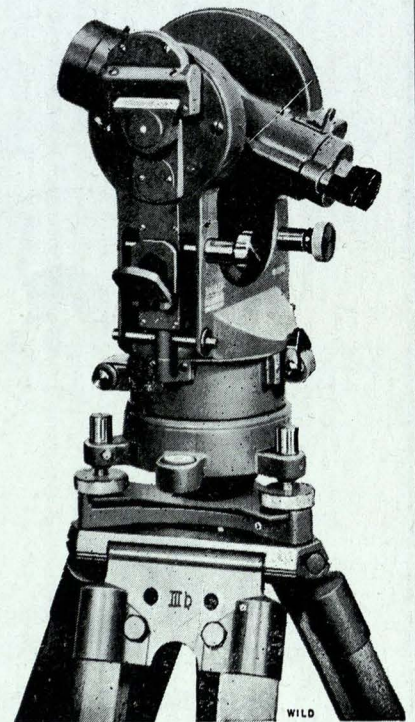
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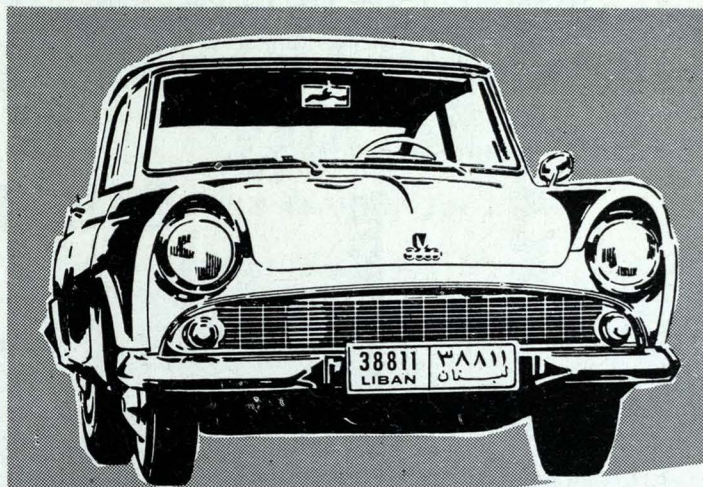


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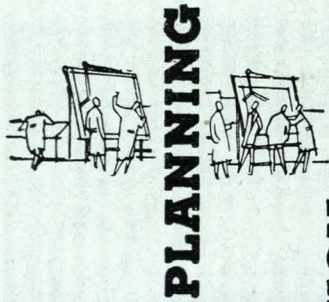
"Je suis tellement agréable, sobre et serviable que j'espère que, vous aussi, vous aurez du plaisir à découvrir mes qualités.

- Souple, et nerveuse comme la biche, ma puissance d'accélération est étonnante.
- Chez moi, tout est harmonieux : mes quatre vitesses sont toutes synchronisées et mon moteur 3 cylindres sans soupapes Auto-Union 39 CV est pratiquement silencieux.
- En ville, comme en montagne, ma tenue de route est exemplaire, grâce à la traction avant et à la suspension à barre de torsion.
- Élégante et confortable, je suis l'amie de la famille qui se sent toujours à l'aise avec moi.
- Je me suis pourvue de sièges anatomiques pour accueillir 5 personnes confortablement.
- Très généreuse en performances, je deviens économe dès qu'il s'agit de consommation.
- Je dispense généreusement aussi une visibilité circulaire car 92% de ma surface visible est vitrée.
- Avec moi, même vos bagages sont à l'aise dans mon coffre spacieux.

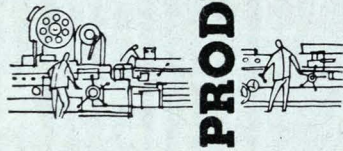
Ne pensez-vous pas que nous devrions faire connaissance au plus tôt? Rien ne vous prouvera mieux mes qualités comme un petit essai.

Téléphonez aujourd'hui même pour fixer un rendez-vous

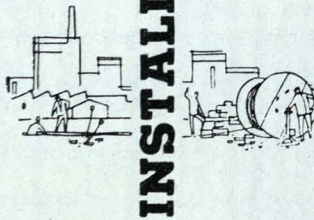
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PLANNING



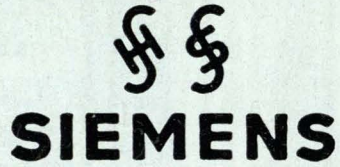
PRODUCTION



INSTALLATION

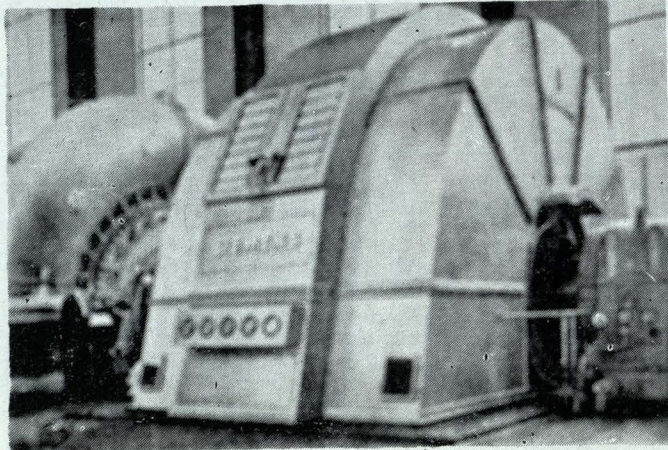


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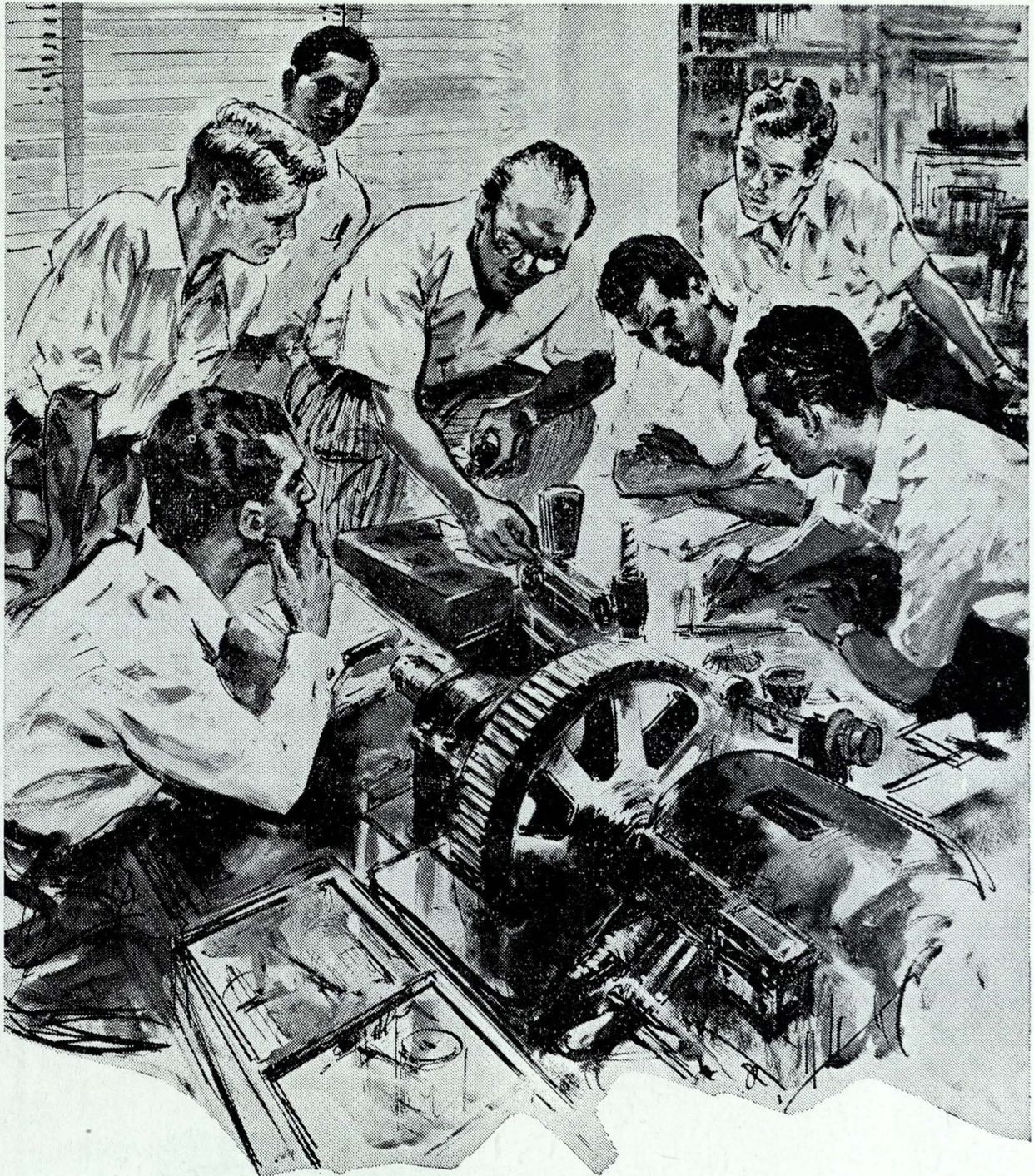
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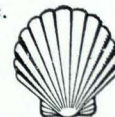
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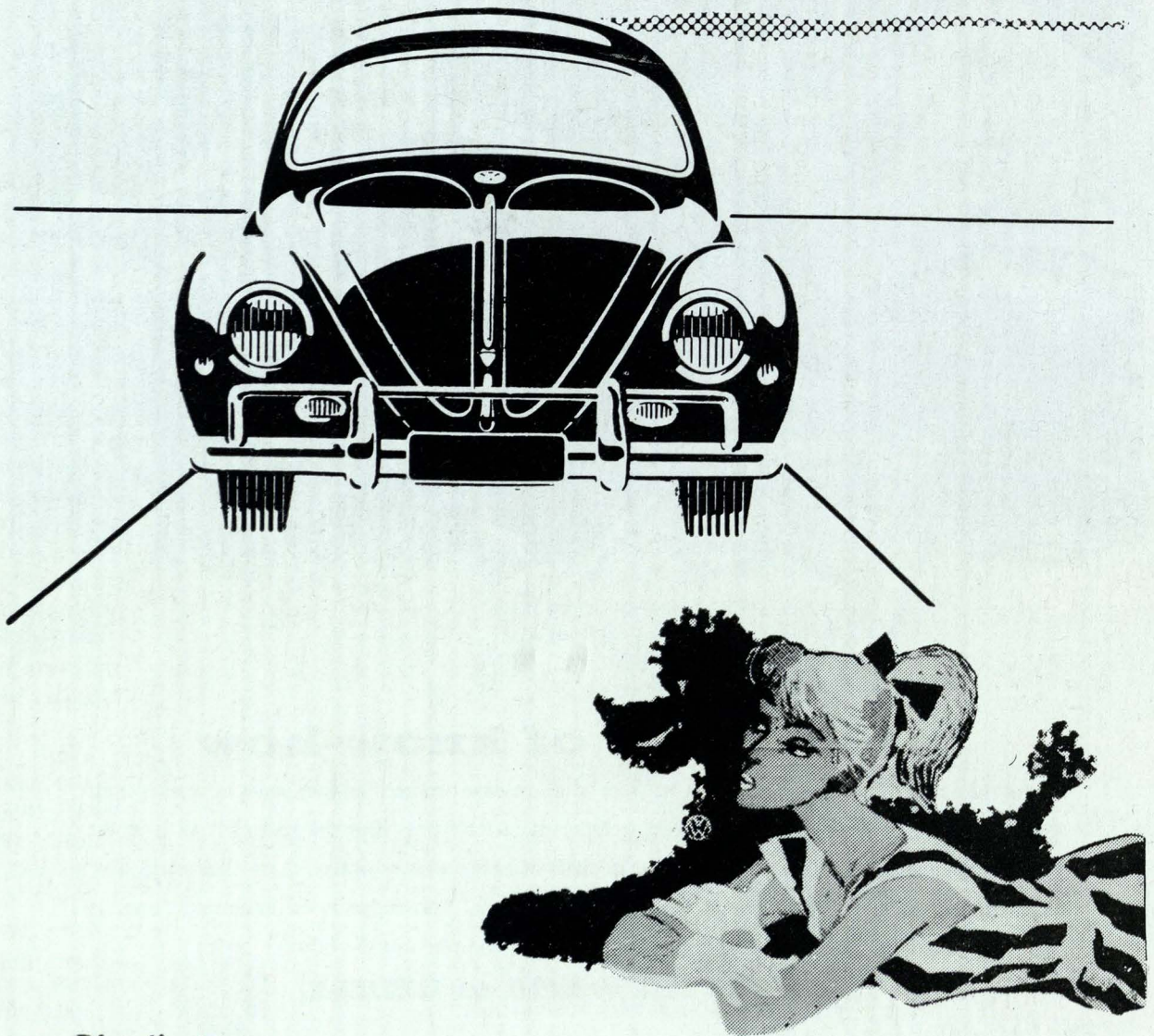
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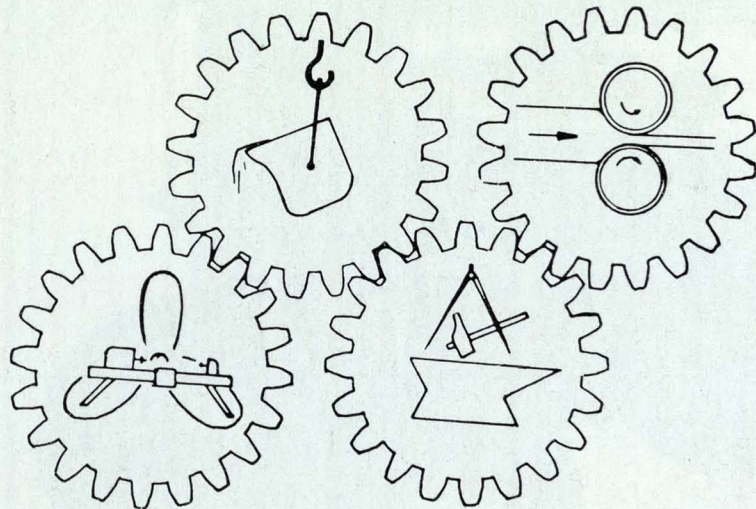
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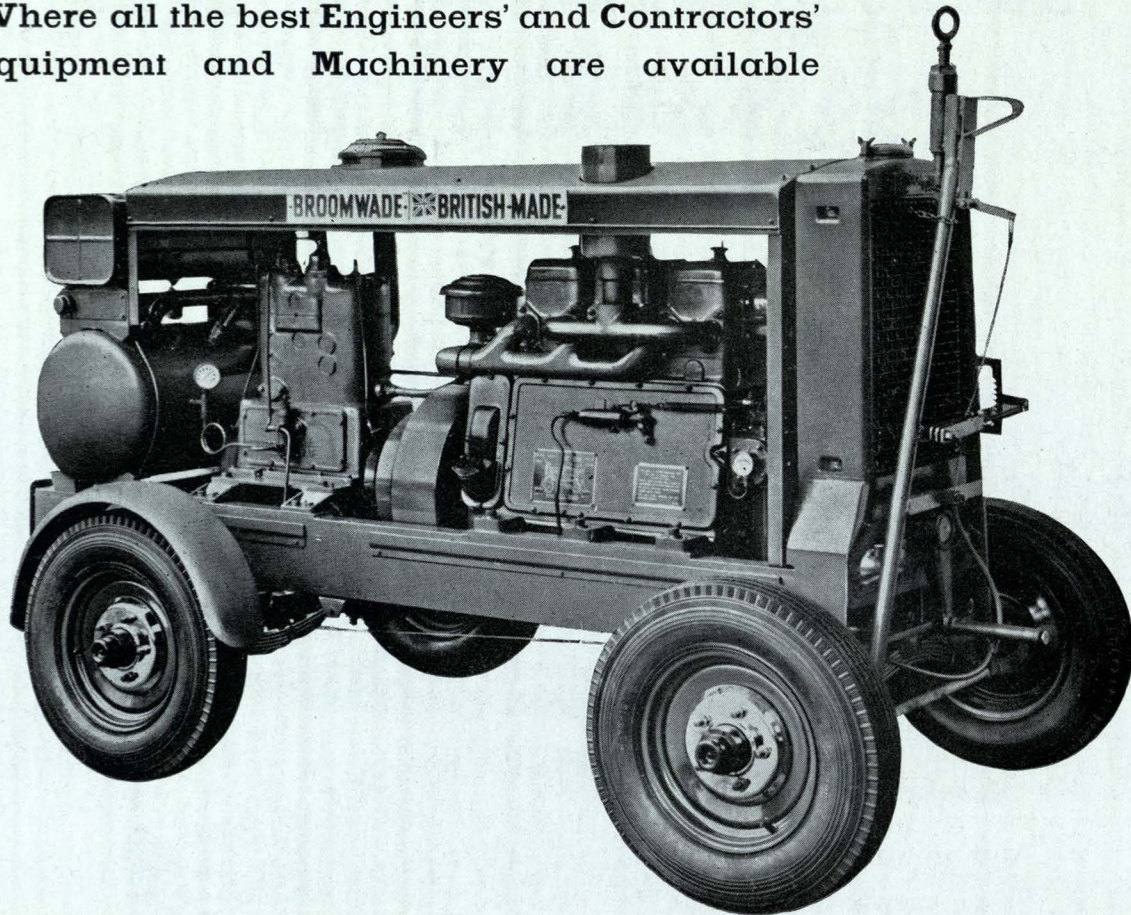
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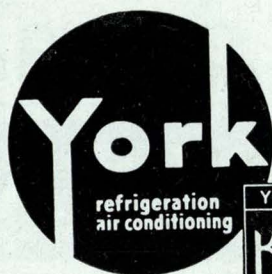
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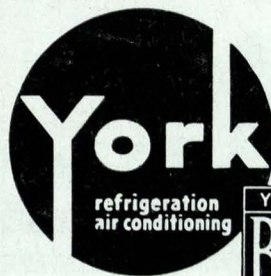
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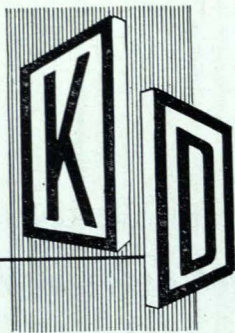
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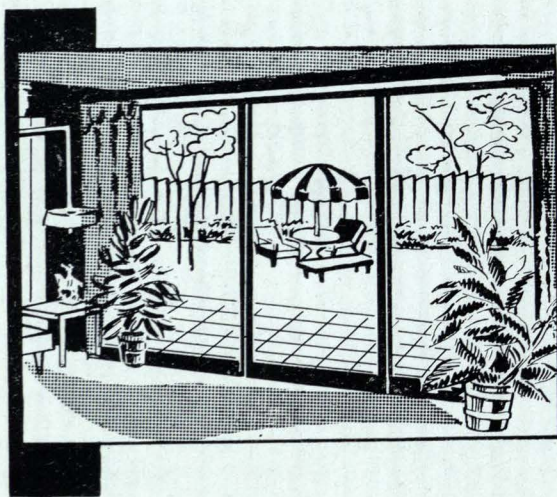
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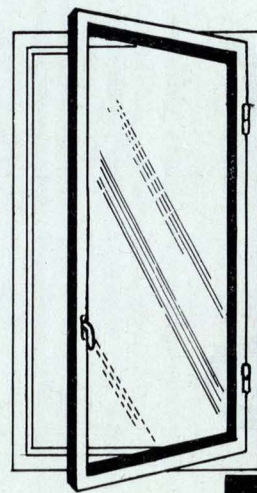
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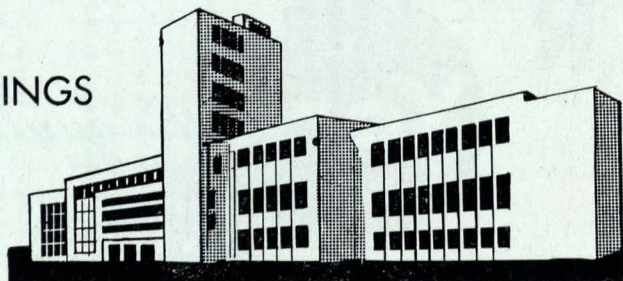
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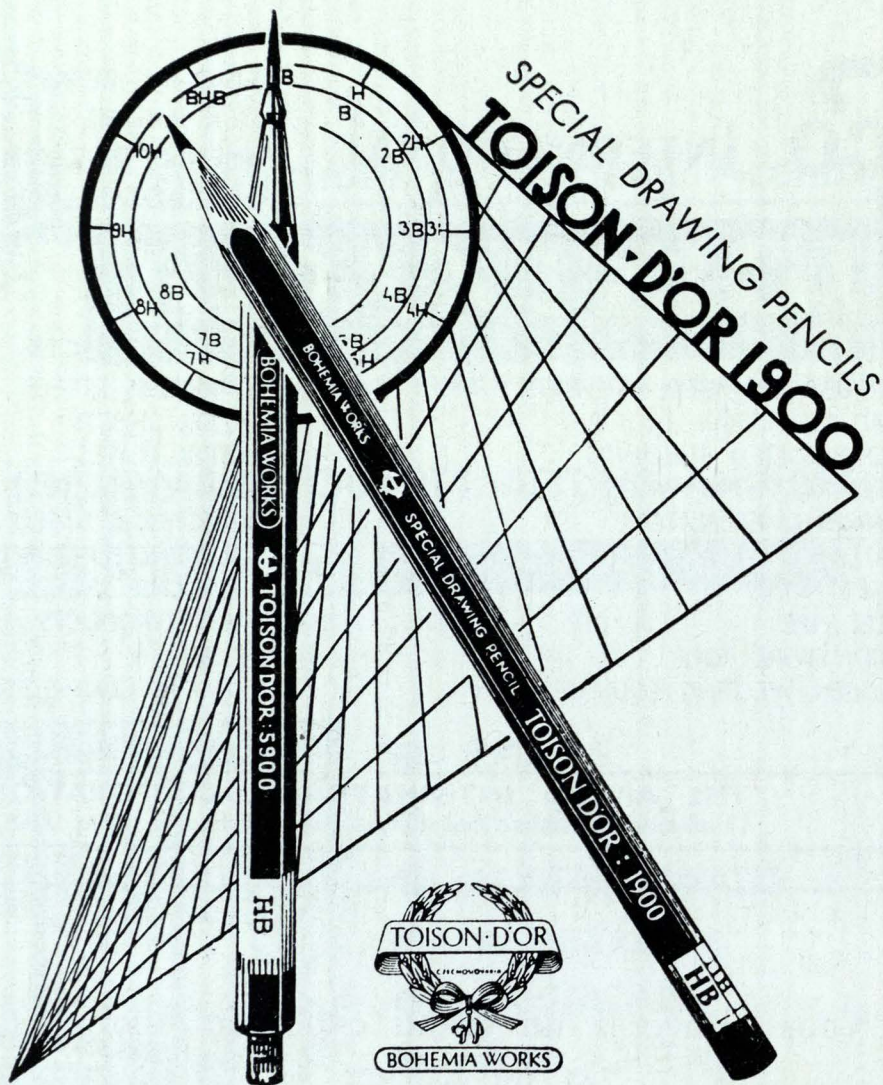
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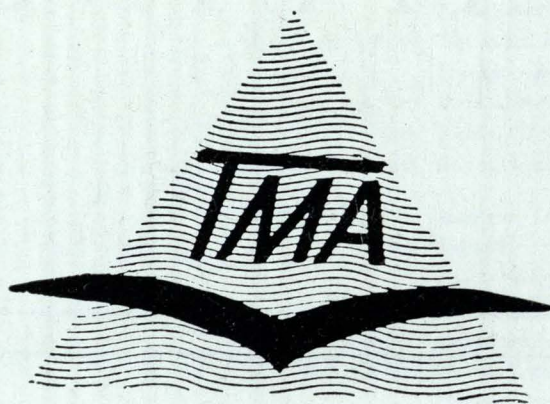
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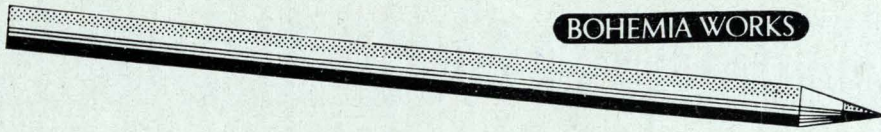
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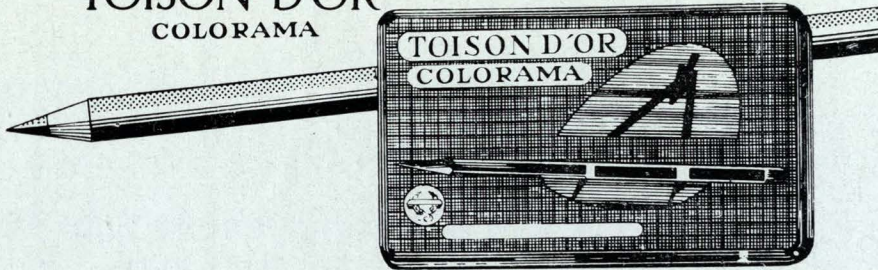
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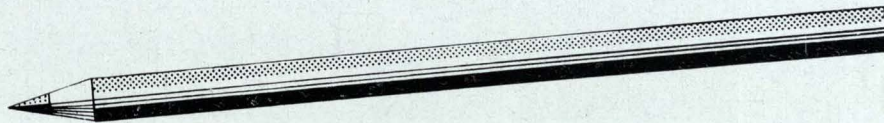
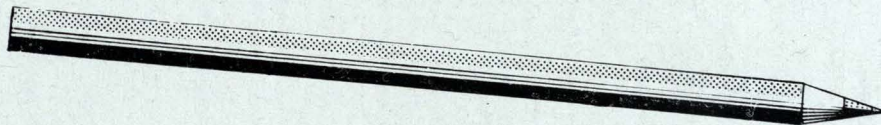
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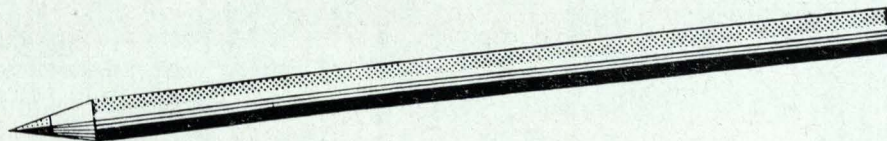
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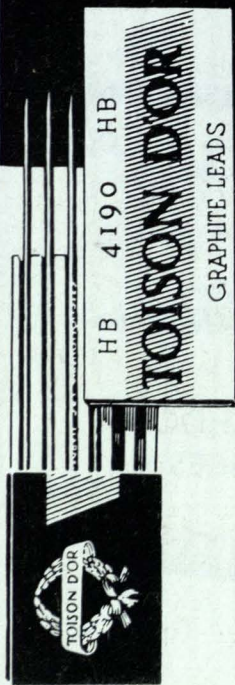
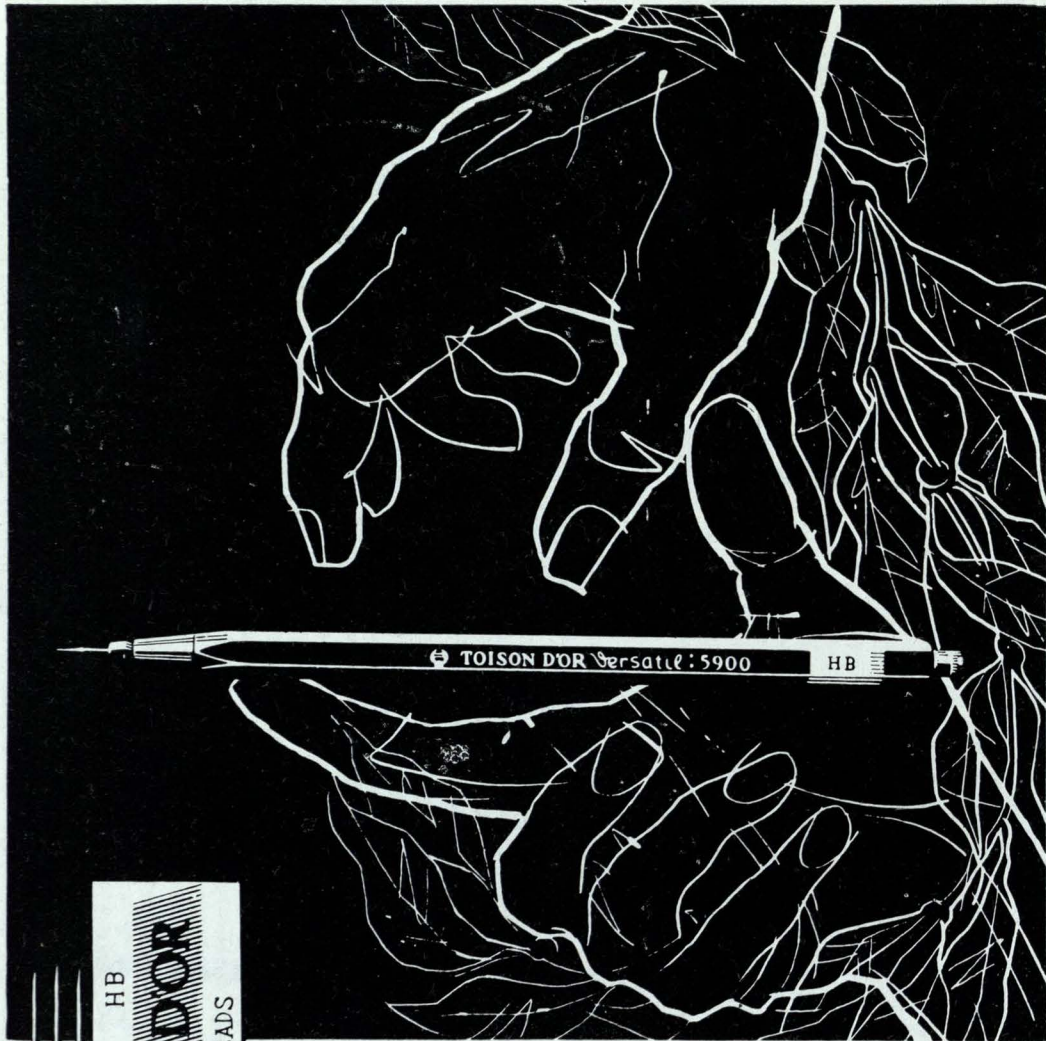


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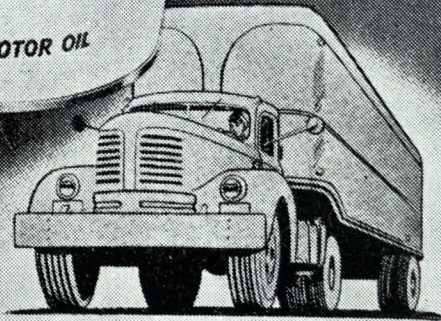
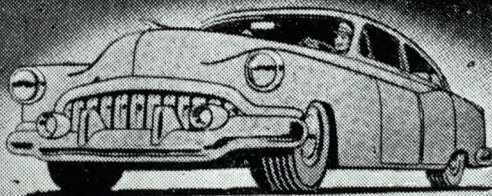
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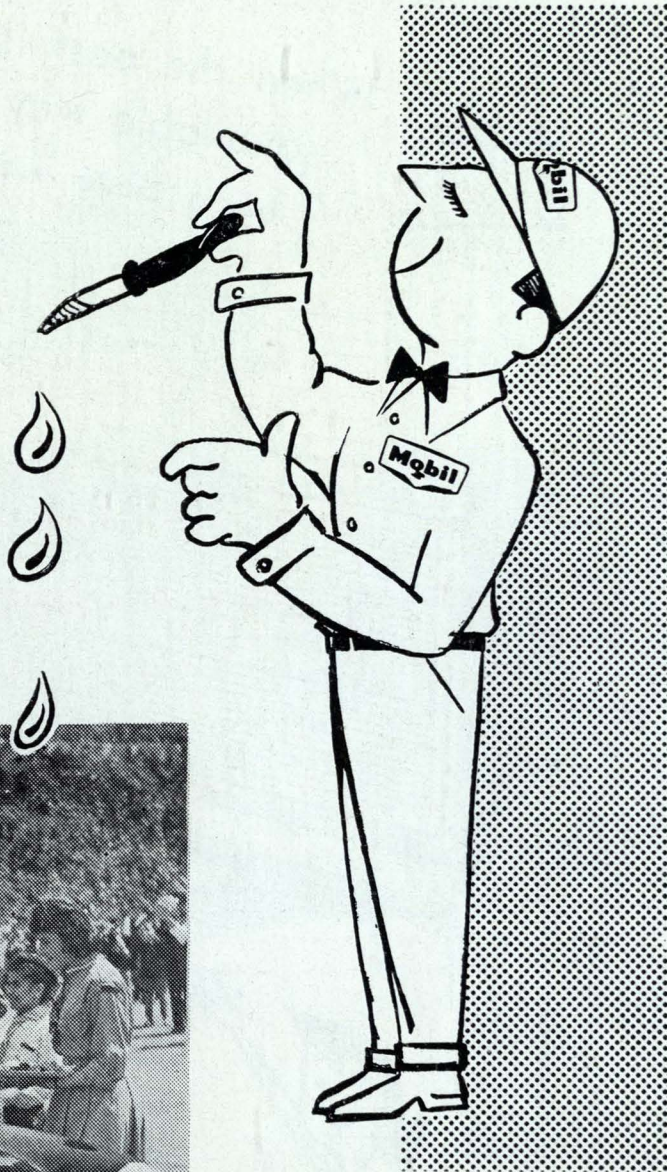


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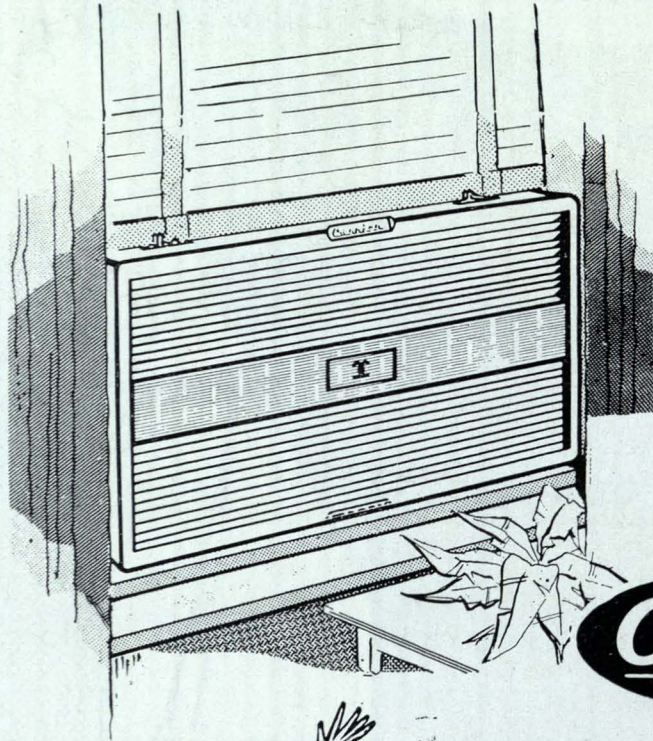


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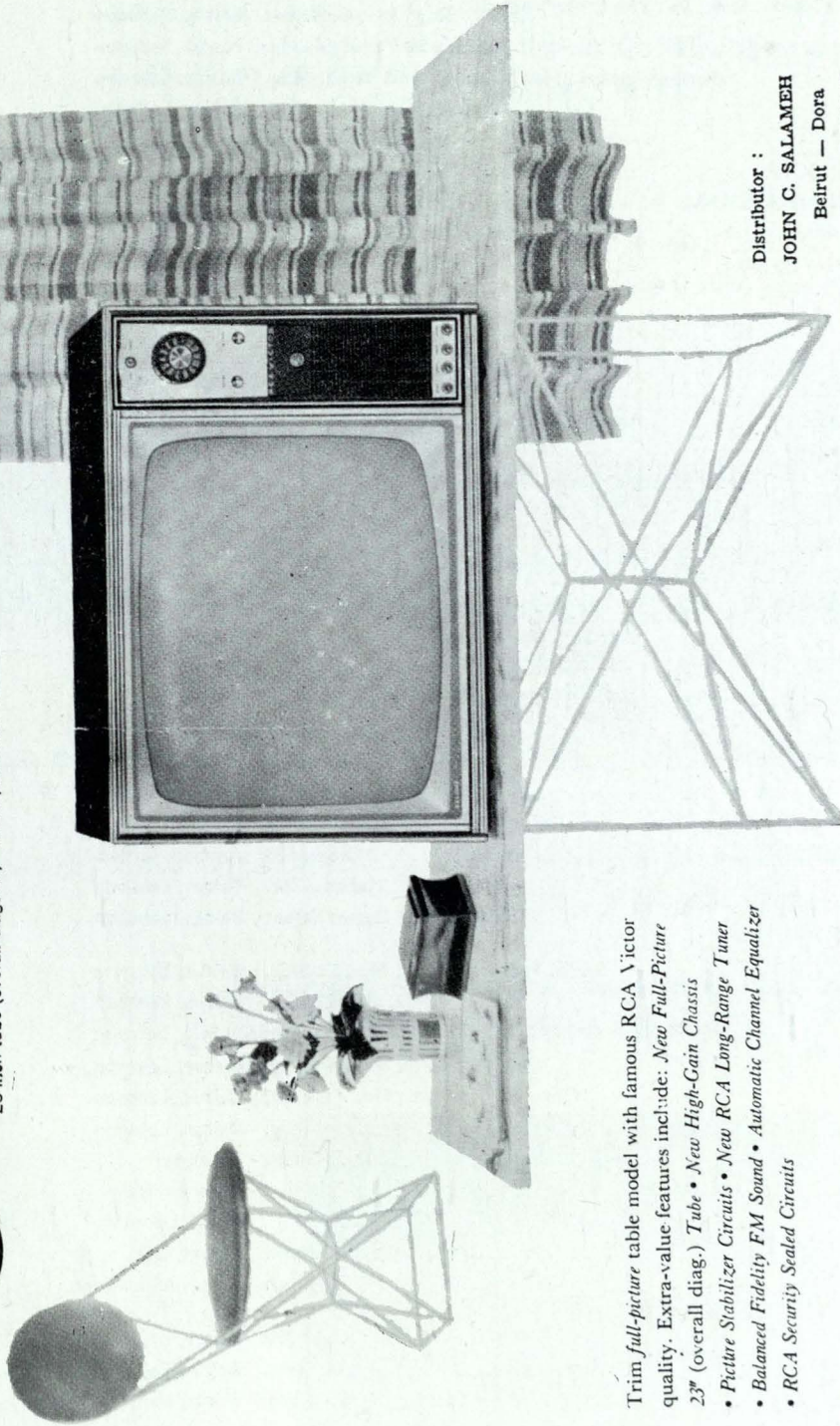
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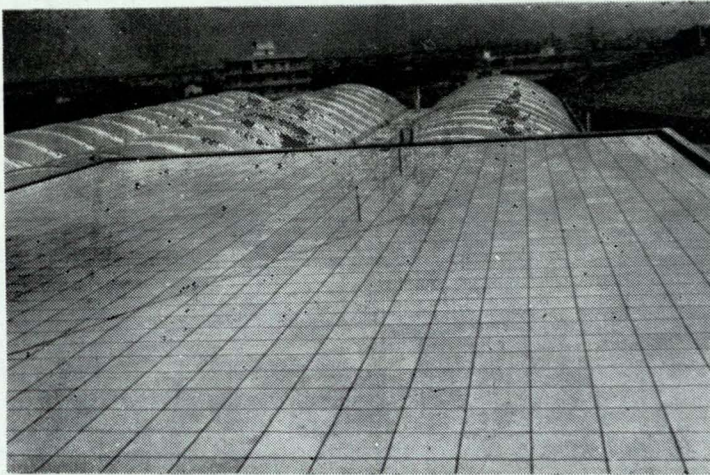
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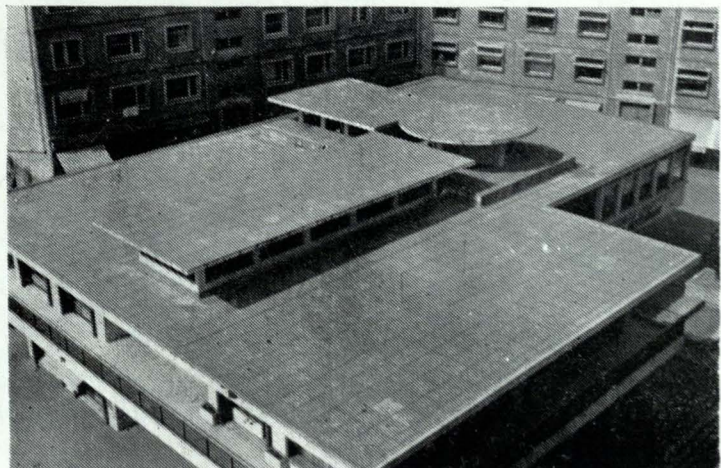
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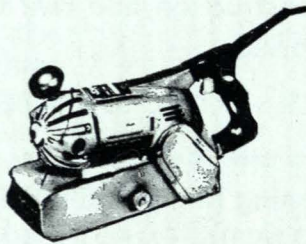


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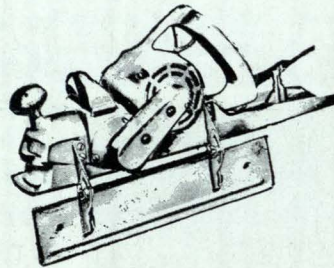


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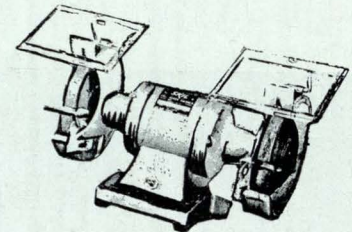
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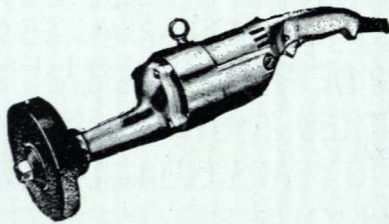
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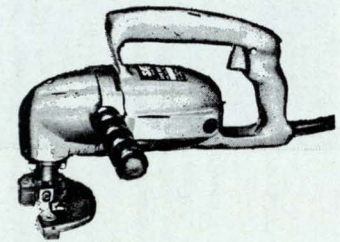
SKIL Bench Grinders
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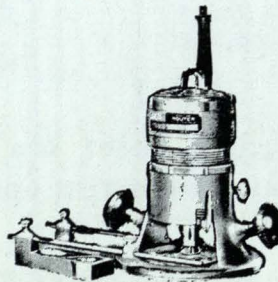
SKIL Disc Sanders
4 Models



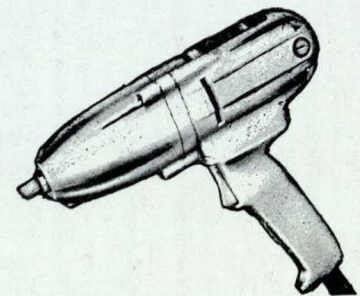
SKIL Shears
2 Models



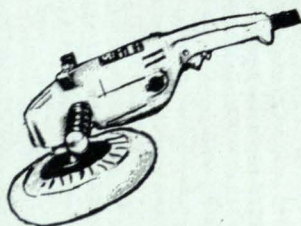
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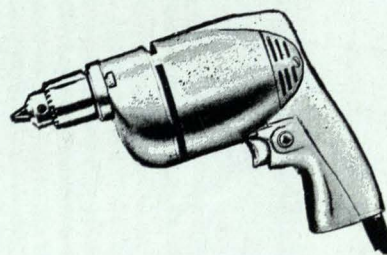
SKIL Routers
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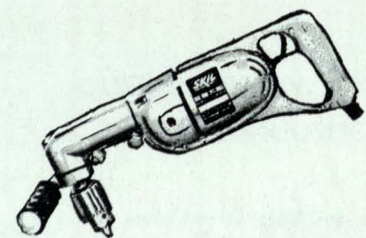
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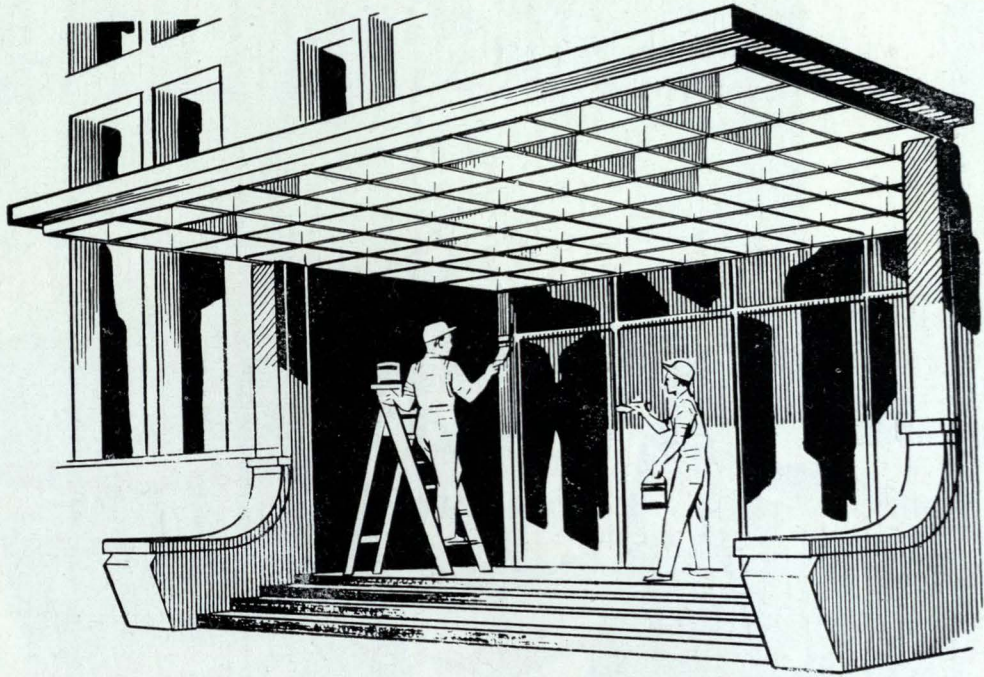
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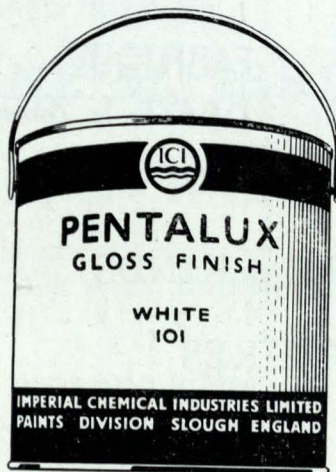
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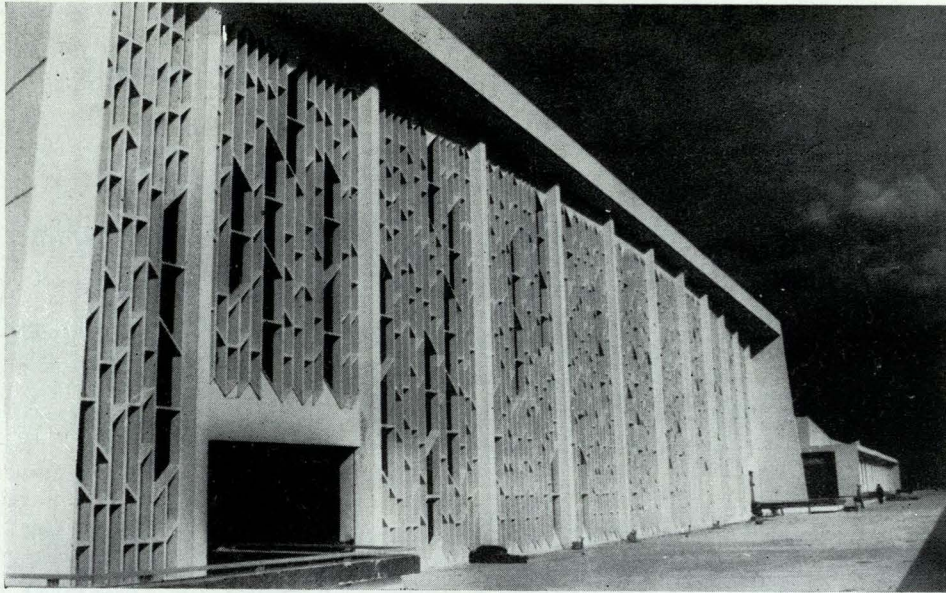
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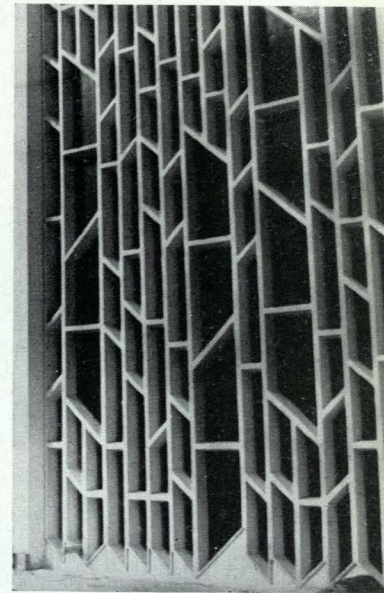
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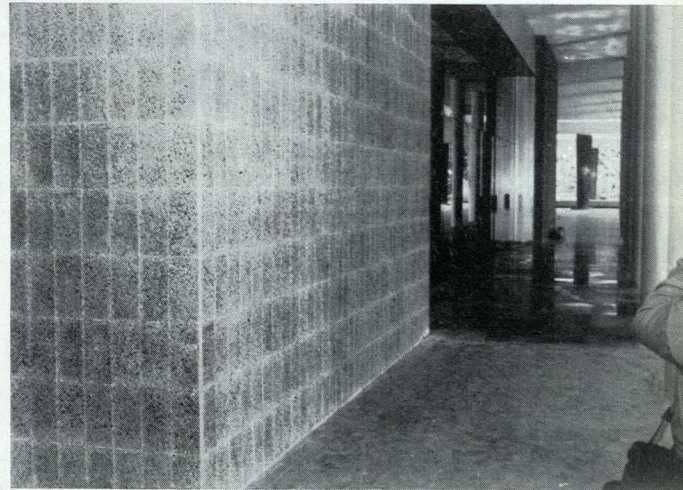
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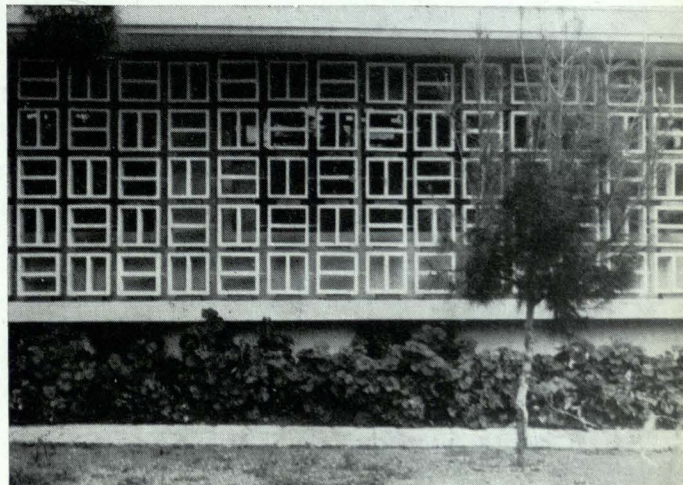
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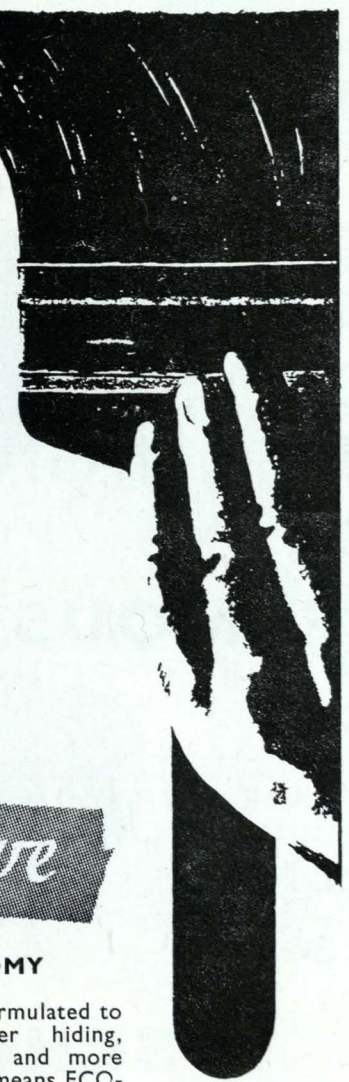
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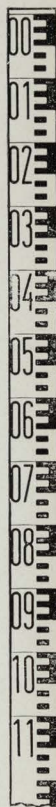
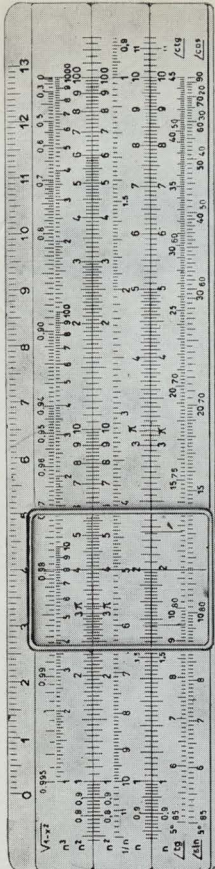
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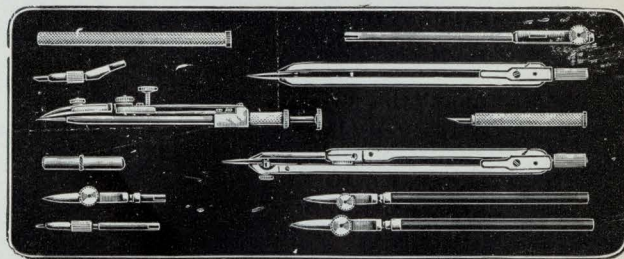
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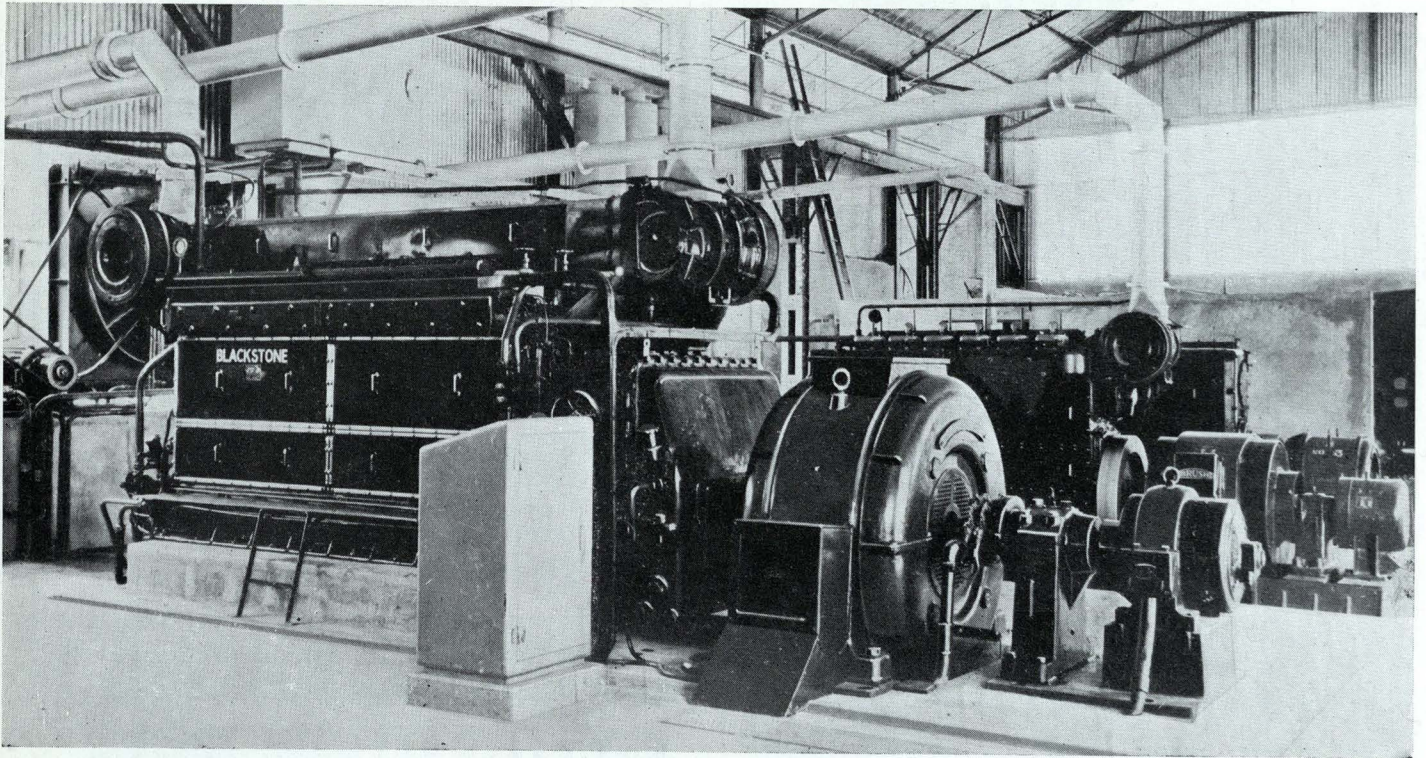
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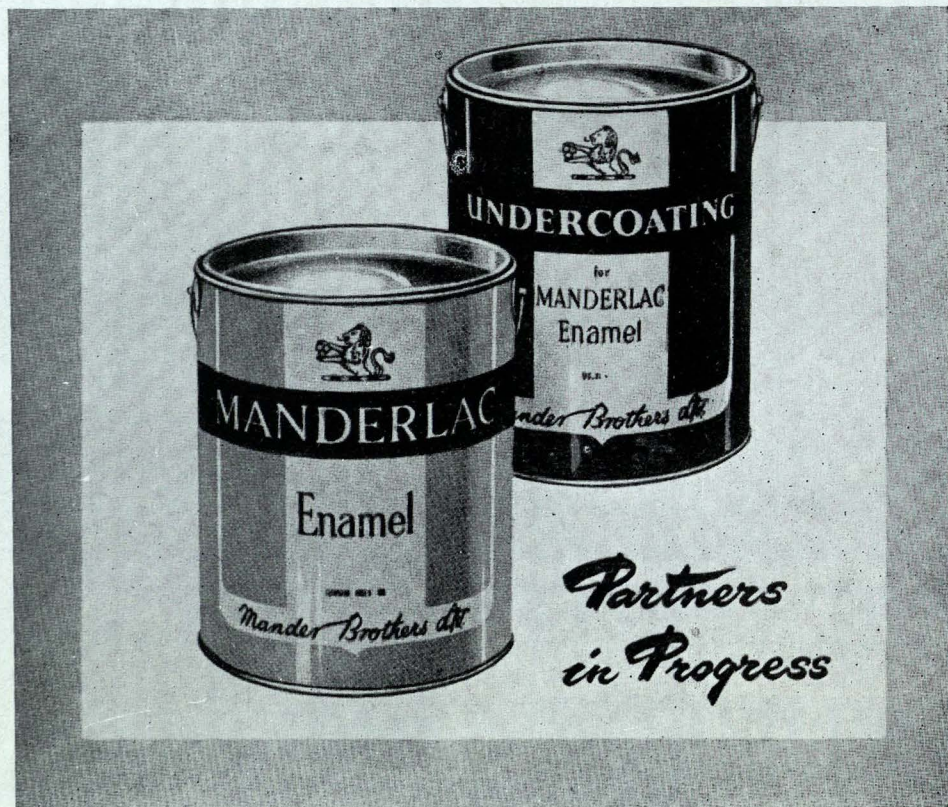
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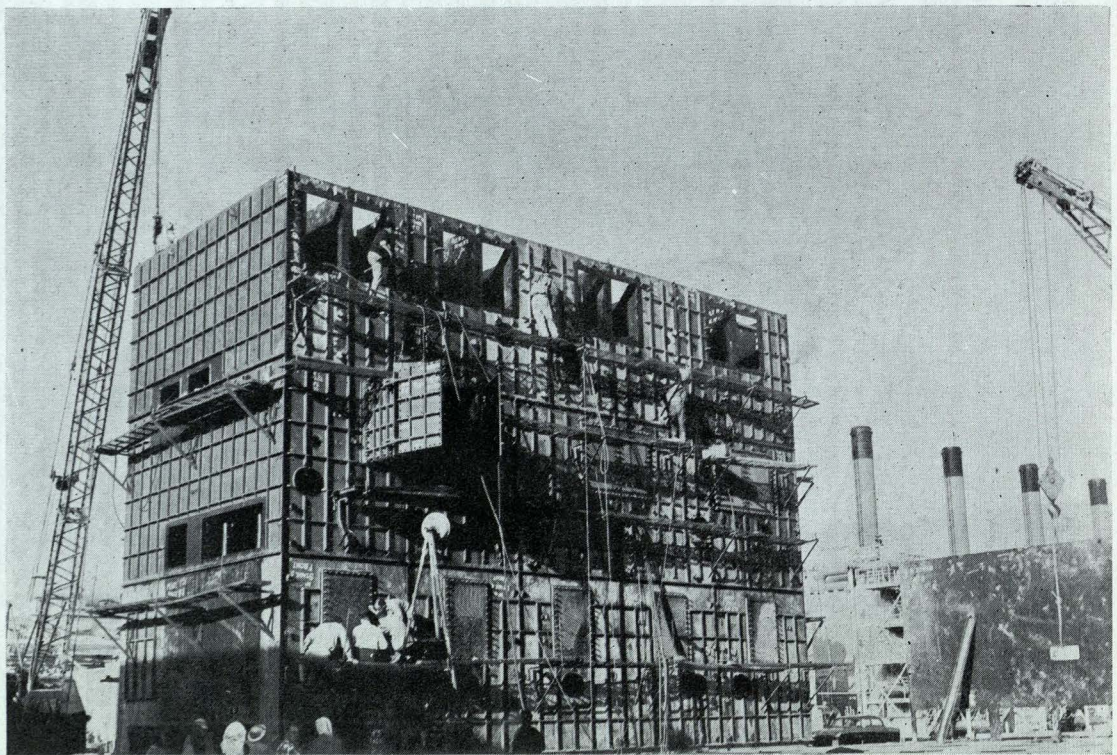
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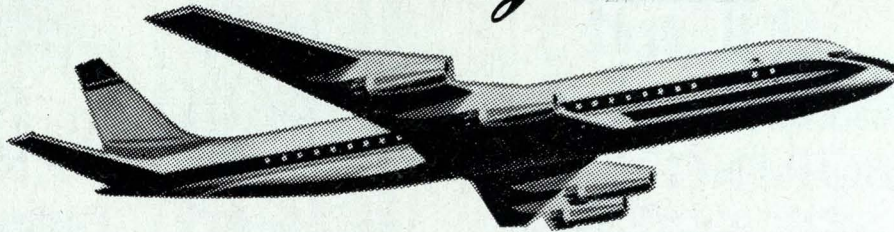


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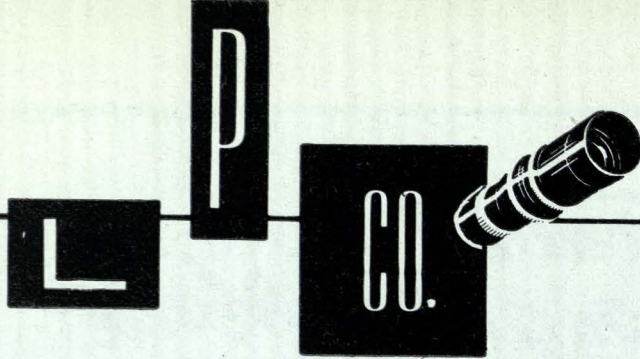
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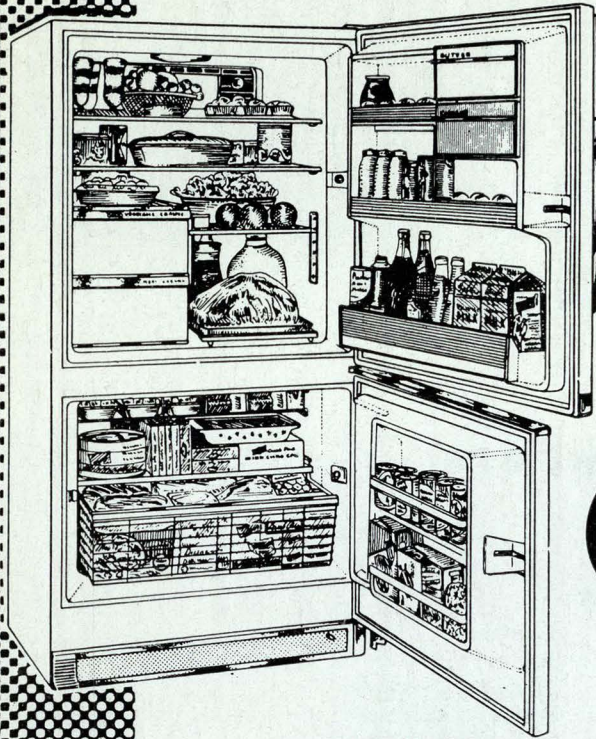
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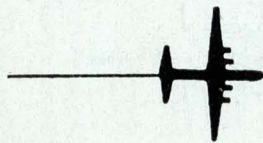
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