

CARNEGIE



LUMNI NEWS

May 1971

CARNEGIE ALUMNI NEWS

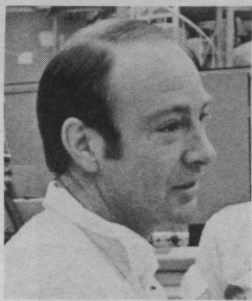


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Two explorers, a painter, and two corporate executives will receive honorary degrees this month at Carnegie-Mellon University's 74th commencement exercise.

The graduation ceremony, at which some 1,400 students will receive bachelor's, master's or doctoral degrees, will be held Monday, May 17 at 10 a.m. in front of the College of Fine Arts. In the event of bad weather, exercises will be held in Syria Mosque at 10:30 a.m.

Explorers, Industrialists, Artist Get Honoraries at 74th Commencement



Captain Mitchell

Slated for honorary doctorates are Edgar D. Mitchell, alumnus and astronaut who in February became the sixth human to walk on the moon, and Roger Revelle, famous oceanographer and director of the Harvard Center for Population Studies.

Dr. Revelle, who will deliver the commencement address, will receive a Doctor of Laws degree. Capt. Mitchell will receive a Doctor of Engineering degree.

Other honorary degree recipients include Gyorgy Kepes, painter and professor of visual design at Massachusetts Institute of Technology; Raymond J. Wean, alumnus and life trustee of Carnegie-Mellon and founder and honorary chairman of Wean United, Inc., and Henry L. Hillman, chairman of the board of Pittsburgh Coke and Chemical Company.

Prof. Kepes will receive a Doctor of Fine Arts degree, Mr. Wean a Doctor of Engineering degree, and Mr. Hillman a Doctor of Laws degree.

Among the graduating students are 798 candidates for bachelor's degrees, 365 for master's degrees, and 240 for doctorates.

Dr. Revelle, who is also Richard Saltonstall Professor of Population Policy at Harvard, has devoted much of his time in recent years to the problems of developing countries.

Already internationally known for his investigations of the physical nature of oceans, Dr. Revelle during 1961-63 headed a land and water study in West Pakistan which yielded an agricultural production plan for sustaining the region's rapidly growing population. He was decorated for his efforts by the President of Pakistan in 1964. That year he was appointed to the Educa-

tion Commission of the Government of India, which in 1966 came up with widespread educational reforms which have been implemented. A U.S. delegate to the first Atoms for Peace Conference in Geneva in 1955 and to the U.N. Conference on Application of Science and Technology for the Benefit of the Less Developed Countries in 1963, he has also served in various capacities with UNESCO since 1958. He is a member of several panels of the President's Science Advisory Committee, including panels on world population and food supplies, and international development.

Formerly director of Scripps Institution of Oceanography, where he served from 1931 to 1964, Dr. Revelle organized many deep-sea explorations which revealed new knowledge of oceanic processes and the sea floor. He holds the National Academy of Science's

Agassiz Medal for his accomplishments in oceanography, the Bowie Medal of the American Geophysical Union, and other honors.

Born in Seattle, Wash., in 1909, Revelle received his A.B. in 1929 from Pomona College and his Ph.D. in 1936 from the University of California. From 1958 to 1961, he was director of the La Jolla campus of the



Dr. Revelle

University of California and dean of the school of science and engineering. In 1965 Revelle College in San Diego was named in his honor. He has been at Harvard since 1964.

Dr. Revelle is vice president of the American Academy of Arts and Sciences, a member of many professional organizations, author of more than 100 scientific articles in professional publications, and recipient of numerous honorary degrees.

Capt. Mitchell, who was promoted from Commander in the U.S. Navy following completion of the



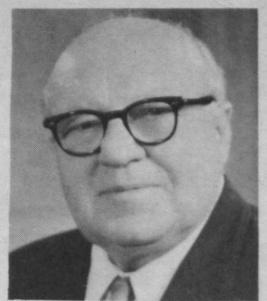
Apollo 14 mission on which he was lunar module pilot, earned a bachelor of science degree in industrial management here in 1952. He then entered the Navy, was commissioned Ensign in 1953, completed flight training in 1954, and went on to serve in Okinawa and aboard aircraft carriers *USS Bon Homme Richard* and *USS Ticonderoga*. He was selected for astronaut training in 1966, and was responsible for monitoring the training assignments of new flight personnel at NASA's Manned Spacecraft Center in Houston.

Mitchell, who calls Artesia, N.M. his home, holds degrees in aeronautical engineering and astronautics from Annapolis and Massachusetts Institute of Technology, and is a graduate of the Air Force Aerospace Research Pilot School.

He is recipient of a DAR award, a China Service Medal, and is a member of Kappa Sigma and Delta Skull.

The 40-year-old astronaut, who carried a replica of the Carnegie-Mellon flag with him on the sixth U.S. manned flight to the moon, will present the memento

Professor Kepes



Mr. Wean

to the university at commencement.

Prof. Kepes, 65, has been teaching at MIT since 1946 and is founder and director of the institution's Center for Advanced Visual Studies. A native of Hungary, he studied at the Academy of Fine Arts, Budapest, and was a member of Munka, a Hungarian avant-garde group. In 1930 he gave up painting and went to Berlin and London, where he worked on film, stage, exhibition, and graphic designs.

In 1937 he was invited to the U.S. to head the Light Department of the Institute of Design in Chicago. The educational ideals and methods he developed there emerged in the form of a book entitled *The Language of Vision* and published in 1944. The book, now in its 13th edition, has been used widely by art schools. In 1956, six years after returning to painting and becoming interested in the converging contributions of art and science, he wrote *The New Landscape in Art and Science*, and since has edited numerous books on visual arts and the sciences. The Center for Advanced Visual Studies is devoted to the exploration of new art forms by artists in collaboration with scientists and engineers.

His work has been on display in one-man exhibitions and group shows in many galleries and museums throughout the world, including the Carnegie International in Pittsburgh in 1955, 1959, and 1964. His work may be found in 30 permanent collections around the U.S., and he has executed murals and stained glass windows for American religious institu-

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tions, office buildings, and other public facilities. He has also designed many exhibitions.

Mr. Wean, who graduated here in 1917, is also chairman of the board of the Second National Bank of Warren, Ohio, and is director of the Cleveland-Cliffs Iron Company, Cleveland. He is chairman of the board of administrators of the Raymond John Wean Foundation, which he founded in 1949, and is a life trustee of Trinity College, and an honorary trustee of University School, Cleveland.

Wean, 76, is a native of Barto, Pa., and began his career with the Aetna Foundry & Machine Company, Warren, in 1917. From 1919 to 1921 he was foundry superintendent for the Union Switch & Signal Company, Swissvale, Pa., then returned to the Aetna Foundry, where he held executive positions until 1929. In that year he founded the Wean Engineering Company, now Wean United. During his career he has been granted numerous patents.

In 1951 he received a merit award from the CMU Alumni Association for his accomplishments in engineering and business management, and in 1964 received a Distinguished Achievement Award. He holds honorary degrees from Trinity College, and Youngstown University.

Wean is a member of the National Association of Manufacturers, the National Industrial Conference Board, American Institute of Economics, American Iron & Steel Institute, American Society of Mechanical Engineers, Association of Iron & Steel Engineers, Rolling Mill Machinery & Equipment Association, and the Engineers' Society of Western Pennsylvania.



Mr. Hillman

Mr. Hillman, a native of Pittsburgh who is also president of The Hillman Company and a director of numerous other corporations, has been highly active in community affairs.

He is president of the Allegheny Conference on Community Development, director of the Regional Industrial Development Corporation of Southwestern Pennsylvania, and is on the executive committee of the Pittsburgh Regional Planning Association. In addition he is president of the Hillman Foundation, trustee and vice-president of the Children's Hospital of Pittsburgh, trustee and vice-chairman of the Maurice Falk Medical Fund, and trustee of the Carnegie Hero Fund Commission.

Hillman is 52, earned a bachelor's degree at Princeton University in 1941, and was a U.S. Navy pilot in World War II. He holds directorships in the National Steel Corporation, Texas Gas Transmission Corporation, Pittsburgh National Bank, First Grant Corporation, and many other companies.

The *Alumni News* is a quarterly publication published by Carnegie-Mellon University for its many alumni and friends.

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Women's Commission to Examine Possible Sex Discrimination at CMU

A twelve member Commission on the Status and Needs of Women at Carnegie-Mellon University has been established by President H. Guyford Stever.

Dr. Stever said he established the campus-wide Commission in recognition of the growing concern for the problems and needs of women in the Carnegie-Mellon academic community.

The Commission, chaired by Dr. Ruth Beach, assistant professor of psychology, includes representatives from the faculty, the administration, student body, alumni association, and two campus women's organizations, Carnegie-Mellon University Academic Women and the Association of Professional Office Women in Education.

Dr. Stever's charge to the Commission is to examine all areas of the University as they pertain to the status of women. This includes admission, housing, and counseling policies, treatment in the classroom, and placement services for women students; and the employment, promotion, and salaries of women on the faculty and staff and the distribution of males and females in various job categories.

Following this study the Commission is to make recommendations designed to enhance the opportunities of women to achieve their personal and professional goals at Carnegie-Mellon and to correct any discriminatory practices that may exist.

Sex discrimination—and government and university efforts to get rid of it—has emerged in the past year as one of the most controversial and sensitive issues on the nation's campuses.

Cheryl M. Fields

The Chronicle of Higher Education



L-r Commission leaders Mrs. Kaufman, Professors Beach and Angrist

Research Director for the Commission is Shirley Angrist, associate professor of Social Relations.

"The Commission is the result of a request made to President Stever by a group of about 50 female members of the faculty, administration, and library staff," explained Dr. Beach. "This group organized late last fall under the name CMU Academic Women with the objective of serving as an advocate of women at CMU. We feel that there is a possibility that women do not have educational and occupational equality with men at the University in many areas including hiring, responsibilities, promotion and salaries. The Commission will examine these and other areas to achieve a realistic evaluation of whether or not there is sex discrimination at CMU."

"We are enthusiastic about what the Commission can achieve and compliment the Administration on their response to our appeal," Dr. Beach continued.

"CMU has given us office space, a staff, and arranged academic assignments so that I can devote one half of my time to the Commission and Dr. Angrist one quarter time."

Mrs. Carol Kaufman, administrative assistant, faculty senate, will act as executive director devoting one

quarter of her time to the work of the Commission.

Lynne Norris, MM'61, is the Alumni Association representative.

Other members of the Commission are Patricia Carlson, research proposal coordinator, Peggy Sanday, assistant professor of anthropology, Herbert Toor, dean, Carnegie Institute of Technology, Edward Schatz, vice president for academic affairs, Richard Strathmeyer, vice president for business affairs, Irene Daugherty, book buyer, bookstore, Robert Shellow, professor of urban processes, and Donna LaPietra and Michael Spring, from the student body.

President Stever has requested a preliminary report, and a final report by October 31.

Although the research is in its early stages Dr. Angrist reported these preliminary findings.

- Of the approximately 700 women employees, 1/3 of CMU's 2100 total employees, over half are office and clerical workers.

- In the officials and managers category, 16% are women, 39% of service workers are women, and 90% of office and clerical staff are women.

- In the three ranks of assistant, associate, and full professor, there is a total of 8% women; 11% of assistant and associate professors are women; 3% of full professors—a total of 4—are women.

- Salary data for women faculty show that in the same rank as men, women's average salary is consistently lower.

One of the first actions taken by the Commission was to plan three public hearings where testimony could be given and questions asked of resource people in the various administrative and faculty departments. The first hearing was for employees and dealt with salaries, promotion, pension plans, benefits, and job classification and job descriptions.

The second and third hearings were for students and considered such subjects as admissions, placement, classroom treatment, counseling, financial aid, housing, and student activities.

"Following eight months of research and interviews the Commission plans in its October report to recommend policies, procedures, organizational arrangements and special services which it believes will enhance the opportunities for women to achieve successfully their personal and professional goals at CMU," Dr. Beach said. The report will suggest broad outlines of an affirmative action program to ameliorate any discriminatory practices that exist on campus, recommend a continuing vehicle for monitoring the affirmative action program, and recommend which University offices should be responsible for various aspects of implementation.

Testifying at Congressional hearings on the allocation of federal resources to reduce serious crime, Prof. Alfred Blumstein, director of the Urban Systems Institute at CMU's School of Urban and Public Affairs, has charged that the U.S. criminal justice system is suffering from lack of funds, lack of planning and lack of information.

Dr. Blumstein was speaking before the Sub-committee on Economy in Government of the Joint Economic Committee. He was director of the Task Force on Science and Technology on President Johnson's Crime Commission, which was instrumental in the formulation of the 1968 Omnibus Safe Streets and Crime Control Act. This Act established the Law Enforcement Assistance Administration (LEAA) and its research



Professor Blumstein

Urban Specialist Criticizes Criminal Justice System

arm, the National Institute of Law Enforcement and Criminal Justice.

Dr. Blumstein said that the federal government started out on the right foot with the 1968 Crime Control Act, in particular by directing attention to the need to deal in an integrated way with the criminal justice system. However, he said, the follow-through has left much to be desired, largely because of inadequate methods for dealing with the total system.

He described some experiences at Carnegie-Mellon with a computer model to aid state criminal justice planners. This system planning model, labeled JUSSIM, is set up and available at any timesharing computer terminal. It treats a state criminal justice system as an integral whole, and contemplated changes in the system can be tested to determine their ramifications throughout the system. Recently, CMU held a course in systems analysis for key LEAA personnel from the mid-Atlantic states, and the participants learned quickly how to operate the model and showed considerable interest in applying it in their own states.

The unfortunate fact, however, is that these planners can't make use of this valuable tool in the immediate future because the states right now don't have the necessary input data.

"This is an unfortunate reflection of the status of our social data," said Dr. Blumstein. "In the social sciences and particularly in dealing with crime, we are little beyond the Middle Ages in terms of our understanding."

To gather the necessary data will require substantial public funds. However, this year Congress has appropriated only 0.1 percent of the criminal justice budget for research—that is, to LEAA's National Institute of Law Enforcement and Criminal Justice. "This," says Professor Blumstein, "is 1/30th that which any responsible corporate executive would spend in improving his operations."

The enormous gaps in knowledge and the lack of funds make it extremely difficult to plan rationally the operation of the criminal justice system. Even considering such limitations, state planning agencies have not done enough. "Unfortunately, far too few states have engaged in meaningful planning. In most cases, the state planning agencies react rather than initiate," Dr. Blumstein remarked. With little integrated planning, the criminal justice system in the states remains largely disconnected, with the police, courts and corrections each still going its own separate, time-encrusted way.

Dr. Blumstein stressed that one of the tasks the

criminal justice system must undertake is to "finally clear up our criminal laws to focus them on those issues that concern us most, and not to mock them by appearing to apply them where they are ineffective and where they may well do more harm than good." Dr. Blumstein feels much of the problem derives from too many arrests:

"It may well be that we are blunting the criminal sanction by using it for such private behavior as gambling, prostitution, homosexuality, drunkenness, and marijuana smoking. We thereby clog the courts, the jails, and thereby weaken our ability to use these weapons against the crimes of robbery, murder and burglary, which concern us all so much more."

Based on 1965 arrest rates, a 10-year-old boy had a 50% chance of being arrested for a non-traffic viola-

tion in his lifetime, and the arrest rates have been going up since. Under our present system, said Dr. Blumstein, "most people commit crimes and most males will get arrested."

Further, the threat of arrest and imprisonment as deterrents to crime are weakened if arrests are made indiscriminately. If everyone gets arrested, there is not much stigma in joining the crowd. Also, an individual who commits a burglary at present, on the average, has about a 1% chance of ending up in prison for that burglary. Many criminals will risk such odds against the possible gains.

Dr. Blumstein concluded on a grim note in saying: "One would have great difficulty identifying where there have been significant positive improvements as a result of the Law Enforcement Assistance Administration program. We can only hope that as the program significantly expands this year with the infusion of a half billion new dollars significant forces for innovation and change will be gathered. I must confess that I am not overly optimistic."

Dr. Blumstein came to CMU in 1969 as professor of urban systems and operations research. He was formerly director of the Office of Urban Research in the Institute for Defense Analyses in Washington, where he directed a project formulating a national research plan for the National Institute of Law Enforcement and Criminal Justice. He is a member of the Executive Committees of the Council on Research of the National Council on Crime and Delinquency, and has served as president of the Washington Operations Research Council and chairman of the cost-effectiveness section and the publications committee of the Operations Research Society of America.

Information Processing In Children Examined

The seventh annual Carnegie Symposium on Cognition will be held in the auditorium of the Graduate School of Industrial Administration, Thursday and Friday, May 20-21.

Theme of the two-day conference is "Information Processing in Children."

Among the guest lecturers at the parley will be Barbel Inhelder and Guy Cellier of the University of Geneva's School of Psychology and Educational Sci-

ences, Jean Piaget, president.

Dr. Inhelder and M. Cellier will discuss "Information Processing Tendencies of Recent Experiments in Cognitive Learning."

Other psychologists who will present papers at the meeting are Jacqueline Goodnow, George Washington University; John W. Hagen, University of Michigan, and Robert H. Pollack, University of Georgia.

Dr. Goodnow will discuss "Development as the Acquisition of Rules, Rituals, and Tricks of the Trade." Dr. Hagen's paper is entitled "Strategies for Remembering," and Dr. Pollack will talk on "The Perceptual-Cognitive Interface in Development Psychology."

Carnegie-Mellon's Sylvia Farnham-Diggory and David Klahr will also present papers. Dr. Klahr will examine "Class Inclusion Processes," and Dr. Farnham-Diggory will lecture on "The Development of Equivalence Systems."

John R. Hayes, dean of the College of Humanities and Social Sciences, and Herbert A. Simon, R. K. Mellon, Professor of Computer Sciences and Psychology, will discuss the papers.



Kiltie Band Goes All-Concert

The Kiltie Band is giving up the gridiron for a full-time concert career.

The Kiltie Marching Band, which has performed at halftimes on the football field since its debut at the Notre Dame—Carnegie game in 1922, has been discontinued.

The announcement came last month from Earle Swank, dean of student affairs.

Dean Swank explained that the decision to discontinue the group was based on budget limitations, and "a feeling that the most valuable gains in learning and experience by band members in the past has come from participation in the concert band, which will continue." He added that the Bagpipe Corps has asked to continue as an organization for at least the next academic year.

Dean Swank emphasized that the Kiltie Symphony Band will not only remain intact but may reach greater heights than ever before, an expectation that apparently is not without justification.

The concert band played to a near-capacity house in New York City's Carnegie Hall last month for the third time in as many years. In 1967 and 1968 it performed in Town Hall. In addition the band, under its conductor Dr. Richard E. Strange and former conductors, has appeared before the American Bandmaster's Association, the Pennsylvania Bandmaster's Association, the Pennsylvania Music Educator's Association, the National Instrument Manufacturer's Association, and the Eastern Regional Meeting of the College Band Director's National Association. In 1965 it was the featured college band at the Music Educator's National Conference in Buffalo, N. Y.

Dr. Strange said that there is about a 75% overlap of members in the concert and marching bands. The Pipers are a separate organization.

Why Cooperate?

Approximately two weeks ago, all of you should have received a special report on "Are Americans Losing Faith in Their Colleges," with an anonymous attitudinal questionnaire bound inside the front cover.

It is our hope that the response to this questionnaire will provide CMU with helpful information concerning what our alumni think about us and about higher education, and how we can better communicate with the alumni. If you haven't already done so, will you please take the brief period of time needed to complete the questionnaire and mail your postage-paid response back to Carnegie-Mellon.

The response so far has been gratifying, but we would like to include as many points of view as possible in the study. Results of the survey will be published in a future issue of the *Alumni News* so that you will get an opportunity to see how your thoughts compare with fellow alumni.

Your comments will enable us to better understand the feelings and attitudes of this University's most important resource—its alumni, and perhaps aid us in contributing toward your understanding of today's Carnegie-Mellon University and higher education in the United States.

CMU Scientists Named Among This Century's Social Science Leaders

Two Carnegie-Mellon scientists, Herbert A. Simon and Allen Newell, have been ranked among the world's scientists who have contributed to the greatest advances in social science since 1900.

The two were named in a study authored by scientists from Harvard, the University of Michigan, and Goethe University in Frankfurt, Germany. The study was sponsored by the Mental Health Research Institute at the University of Michigan.

Dr. Simon, R. K. Mellon Professor of Computer Science and Psychology, was one of a very few scholars named for contributions in two areas. He also was one of a handful of social scientists listed individually for his research in artificial intelligence.

Dr. Newell, University Professor, and Dr. Simon were named as part of a team of scientists whose work on computer simulation of social and political systems was considered among the most significant of this century.

Among the few persons cited for individual contributions in the past four decades are economist J. M. Keynes; B. F. Skinner, pioneer in learning theory and teaching machine development; Mao Tse-tung, concepts of peasant and guerrilla organization and government; M. Hansen for work in large scale sampling in social research (polling methods), and Dr. Simon for his work done over the past two decades in simulation of human thought process, decision-making, understanding human creativity, and related problem-solving research which represents a significant beginning of work in artificial intelligence.

The study, to be published shortly, reveals that most of this century's great advances in the social sciences have emerged from large teams of scholars working in major intellectual centers. The findings also suggest that such centers provide a certain "critical mass in terms of intellectual power and resources—ready access to mathematics, computers, laboratories, specialists in other fields, and complex urban cultures."

In the early part of the century, according to the study, most contributions came from individuals. Since 1930, however, teams of scientists have been responsible for most of the major advances.

The retrospective study names 62 major efforts in the field since 1900 and attempts to identify the conditions most conducive to discoveries in social science and to facilitate their application to human problems.

Two basic criteria were used by the authors of the study. The first was that the contribution led to a new perception or a new operation and the second that it opened up a new sector of knowledge.

The work for which Professors Simon and Newell were recognized was done at Carnegie-Mellon.

Professor Simon has been at CMU since 1949. He received his A.B. and Ph.D. degrees from the University of Chicago and served on the faculty at Illinois



L-r Professors Newell and Simon

Institute of Technology before joining CMU.

A pioneer in human problem-solving research, Professor Simon, 54, was the first social scientist ever named to the President's Science Advisory Committee in 1968. He has served as Chairman of its Panel on the Environment. He is also a member of the National Academy of Sciences and in 1969 was presented the Distinguished Scientific Contributions Award of the American Psychological Association for his work in human problem-solving.

He has been a distinguished lecturer at universities in this country and abroad and has been awarded honorary degrees in the United States and in Europe.

Professor Newell joined the CMU faculty in 1961 and has worked with Professor Simon since the mid 1950's when he was at CMU working on his Ph.D. which was awarded in 1957. Professor Newell's undergraduate study was done at Stanford.

Before joining the CMU faculty as a distinguished professor, he served for more than a decade as a research scientist with the RAND Corporation. Professors Newell and Simon have coauthored many papers and Dr. Newell is among the best-known computer scientists in the country.

Shortly, a new book, *Computer Structures*, coauthored by Dr. Newell will be published by McGraw-Hill. An advance review of the combination text book and research report calls the work "the most important and valuable treatise on computer architecture ever to appear."

The study, in which Professors Simon and Newell were named, was widely reported by media including *Science* and *The New York Times*.

Survey Report Says CMAC 'Well-Received'

A survey last year of prospective students here supports the judgement that the Carnegie-Mellon Admissions Council (CMAC) is an "important and well-received admissions function," according to David J. Chorba, assistant director of admissions.

CMAC is composed of some 575 alumni around the nation who maintain contact with high school counselors and interview potential students for Carnegie-Mellon.

The survey, which went to 900 candidates and drew replies from 652, sought to determine whether CMAC had any influence on a student's choice of Carnegie-Mellon. Approximately half of the students who responded to the 12-point questionnaire finally enrolled; the other half chose not to attend.

In the survey, students were asked to appraise the value of various portions of the CMAC process in terms ranging from negative to positive on a scale of one to five.

Appraisals by both those students who ultimately enrolled and those who did not were highest on questions dealing with the enthusiasm in which information about the institution was presented, the value of time spent with the CMAC adviser, the degree of relaxation experienced during interviews, and the timeliness of the information.

On all questions respondents who became students at Carnegie-Mellon scaled higher, of course, than those who chose to go elsewhere.

Asked to indicate whether CMAC advisers were "enthusiastic" in their presentation of information about the school, both groups scored a high four. They scored in the same category when asked if they felt their association with the CMAC adviser was "relaxed."

Responses on questions as to whether the students felt their association with the CMAC adviser was relatively "well-spent," and if the overall picture of Carnegie-Mellon they received was "up-to-date" also placed in category four.

Queried if their enthusiasm to attend CMU was "increased" as a result of association with a CMAC adviser, respondents who became students here placed in the fourth step in the scale, while students who did not enroll scored in the third step.

"The survey was a general investigation of CMAC," Mr. Chorba emphasized. "Although it examined many areas of the CMAC organization, a different type of research would be necessary to conclusively evaluate any one function."

The analysis was based on replies from 331 students who finally enrolled here, and from 321 who decided not to attend.

Ednah Cranna Dies

Mrs. Ednah Norton Cranna Scoles, a member of the Margaret Morrison Carnegie College faculty for 25 years, died March 7 in Murphys, California where she made her home. She would have been 82 years old on March 17.

Mrs. Scoles, more familiar to CMU alumni as Mrs. Cranna, was an associate professor of secretarial studies and served on the faculty from 1921-1946. She held the bachelor of arts degree from Yankton College, Yankton, South Dakota, the bachelor of science degree from Simmons College, and the master of arts degree from the University of Wisconsin.

Geochemist, Author Gets Mellon Institute Award for '71

Harrison Brown, a geochemist and scholar whose work has led to new knowledge of the earth's age and energy resources and to a better understanding of the social and political effects of technological change, has won Carnegie-Mellon University's Mellon Institute Award for 1971.

The 53-year-old professor of geochemistry, science and government at California Institute of Technology received \$1,000 and a commemorative medal at ceremonies in Mellon Institute on April 23.

Dr. H. Guyford Stever presented the prize.

The annual award, established in 1967, honors individuals who have made outstanding contributions to science and its application to the needs of mankind. Scientific research and its practical application were prime considerations in the work of Dr. Robert Kennedy Duncan, first director of Mellon Institute.

Dr. Brown, who during World War II conducted research on plutonium for the Manhattan Project at the University of Chicago, and Clinton Laboratories in Oak Ridge, Tenn., joined the faculty at the University of Chicago's Chemical Institute for Nuclear Studies in 1946. There he devised techniques using potassium-40 and calcium-30 for highly accurate radioactive dating of rocks and meteorites, and developed methods for determining the age of elements.



Dr. Brown

In 1951 he moved to Cal Tech, where he and a colleague, Leon T. Silver, demonstrated that about one-third of the uranium and thorium in typical granite can be easily extracted, thus in principle placing all granitic rocks on earth at man's disposal as a near-infinite source of energy. Brown also introduced the concept of three distinct groups of planets, and has contributed to research in the fields of gas kinetics, fluorine chemistry, and human population growth.

The scientist in 1960 was co-author of the original proposal which led to the creation of the U.S. Arms Control and Disarmament Agency. He wrote *The Challenge of Man's Future*, and is co-author of *The Next Hundred Years*, *The Next Ninety Years*, and *Community of Fear*. He has also served as editor-at-large for *Saturday Review*, and is co-author of the science fiction novel, *The Cassiopeia Affair*, which was published in 1968 and deals with disarmament efforts following interception of a message from another civilization many light years away.

Brown, who is foreign secretary for the National Academy of Sciences and is a member of the Philosophical Society and other scholarly and scientific groups, has also received awards from the Lasker Foun-

dation, the American Chemical Society, and the American Association for the Advancement of Science.

A native of Sheridan, Wyo., he earned his Ph.D. degree at Johns Hopkins University in 1941, and holds a B.S. from the University of California and honorary doctorates from Rutgers University and the University of Alberta. He is married, has one child, and lives in Pasadena, Calif.

At the award ceremony Brown also delivered the annual Robert Kennedy Duncan Memorial lecture. It was entitled "An American Renaissance? A Scientist's View of What America Can Be."

Previous winners are Dr. Philip Hauge Abelson, director of the Geophysical Laboratory at Carnegie Institution of Washington; Dr. Jonas E. Salk, and Dr. Donald F. Hornig.

New Alumni Programs Aid Graduating Seniors

The resources of CMU's 32,000 alumni are being called upon to implement two new programs initiated by the Alumni Association. Both programs are designed to help aid graduating seniors and will do much toward increasing alumni-student-University relations.

The first is a program to add a more personal touch to CMU graduating seniors applying to graduate schools. There are approximately 4,000 alumni currently on college campuses throughout the country. They are faculty members, administrators, or graduate students. Under this program, called the Grad School Contact, a student applying to a specific graduate school informs the Alumni Office of his plans and he is put in touch with a CMU graduate at that University. This enables him to gain friendly first-hand knowledge of the school, the campus, and the community. Many alumni have already been asked to participate in this program and have responded enthusiastically. Graduating seniors who participated in this program report rewarding visits to campuses this spring.

The second program employs the same technique but it is for the senior seeking employment in a different geographic area. These students who may be visiting a city for job interviews or moving there to take a job are put in contact with an alumni in that area with the same professional background. They can help the student better understand the job content, corporate climate and local living conditions. Both alumni and students have also responded well to this Career and Job Counseling program.

"These two new programs merely expand an already effective policy of the Alumni Association in involving alumni with students," Jerome Kleinman '70, associate director of alumni relations and coordinator of the programs pointed out. "Alumni have for years assisted in recruiting students through Carnegie-Mellon Admission Council, now it is possible for them to assist students as they graduate encouraging a greater interest in the students."

Voter Registration Held on Campus For Eighteen-year-olds

Over one-third of eligible students under 21 were estimated to have registered in a recent one-day voter registration drive at Carnegie-Mellon. County Board of Elections officials stated that a 50% registration in a given political division is considered good—where the residents may register any time.

The drive was part of a campaign conducted by the Allegheny County Council of Leagues of Women Voters to register 18-20 year-olds in high schools and colleges in the County. Registration, limited to County

residents, was for federal elections and in anticipation of expected changes in the Pennsylvania election law giving 18-20 year-olds the vote.

A total of 274 students registered at Carnegie-Mellon, in addition to 123 regular registrations. There are 1,067 undergraduate students from Allegheny County at CMU.

A CMU alumna, Mrs. Irma (Gusky) Budke, MM'40, was in charge of the college registration for the County. She said she was particularly impressed with the response at CMU, not only in terms of numbers but in cooperation in setting up the registration and in the questions and interest expressed by the students.



"Gimme Shelter" Sings Epitaph of Love-Rock

Like *Woodstock* before it, *Gimme Shelter* documents the mass ritual of the spaced-out generation gathering for something like song and prayer action on the banks of the Ganges. The Rolling Stones announced a free concert in California, brought in San Francisco attorney Melvin Belli to clear the legal underbrush and finalize a location, and signed up the Maysles Brothers to film the story leading up to the event, and the event itself.

But unlike the *Woodstock* movie, the making of *Gimme Shelter* itself became part of the history of the *Woodstock* generation, and it may be the ugliest part of that history. What was supposed to be a happy party symbolizing togetherness and accommodating all the good vibes of over a hundred thousand children of love, turned into a pretty morbid manifestation of bad faith on the part of the Stones, frenzy and violence on the part of the crowd, and criminal action on the part of the Hell's Angels. For reasons known probably only to the Stones themselves, it somehow seemed a good idea to them to let the Hell's Angels pinch-hit for the police, and keep law and order at the concert. Transferred to film, this makes for the ludicrous spectacle of psychotics ministering to neurotics, and the tragic spectacle of Hell's Angels beating on the crowd and finally killing one of them.

Naturally, the murder is used as the climax of the film. We watch it replayed three times—once at the concert, and then twice in the editing room, with the Stones watching ruefully but without comment. No comment from them is necessary; the fact of their film is itself comment enough. The Stones in effect unknowingly instigated, and then knowingly exploited, the event. Generally there is some question about the basic morality of documentary films like this: whose is the neutral eye that has the right to observe murder without complicity? After *Gimme Shelter*, the question deserves a pretty cynical answer.

Gimme Shelter turns out to be more than just a movie. As a lot of people have noted after seeing it, it pretty much sings the epitaph of the love-rock generation.

Young Physicist Named Associate Dean at M.I.

Alumnus James S. Langer, 36-year-old professor of physics here, has been named associate dean of Mellon Institute of Science.

The appointment was effective April 1.

Dr. Langer, a specialist in solid state physics and statistical mechanics, has been on the Carnegie-Mellon faculty since 1958, when he started as an instructor. He was appointed assistant professor in 1960, associate professor in 1963, and became full professor in 1967.

Langer earned his bachelor's degree at Carnegie-Mellon in 1955, and his Ph.D. at the University of Birmingham, England, in 1958. He was recipient of a Westinghouse War Memorial Scholarship, a Marshall Scholarship, and a pre-doctoral fellowship from the National Science Foundation. He has published widely in scientific journals, and is a fellow of the American Physical Society and a member of several honorary fraternities.



Dean Langer

Langer is a native of Pittsburgh, is married, and has three children.

Dean of Mellon Institute of Science is Aksel A. Bothner-by.

New Type Engineer To Be Trained Here Beginning Next Fall

Carnegie-Mellon University will start training "social technologists" next fall.

That's when a unique undergraduate program in engineering and public affairs gets under way.

The new four-year curriculum, which will focus on the interaction between technology and society, and related problems, promises to help keep technological advances in line with the environmental needs of society.

Directing the program is a faculty committee headed by Robert W. Dunlap, assistant professor of metallurgy and materials science in Carnegie Institute of Technology (CIT), and Gordon H. Lewis, associate professor and head of the social relations department in the College of Humanities and Social Sciences.

They point out that because until recently the technological demands of society have been met with insufficient consideration of their possible consequences, civilization has been remarkable not only "for its level of technological support, but equally remarkable for such accompanying afflictions as environmental pollution, urban decay, and ecological imbalance."

The new curriculum will be directed toward amelioration of those adverse conditions, they say, by training individuals to work "at the interface between the social and engineering sciences" with skills in specific engineering fields and in the analysis of social and political systems.

A sizeable number of graduates, they claim, will be able to take jobs in local, state, or national governments, with regulatory and control agencies or as legislative and technical assistants to policy makers, or with industrial organizations that have assumed responsibilities in the "social-technological arena."

They admit, however, that the problems which now must be solved are more complex and will demand the contributions of psychologists, economists and physical



scientists as well as sociologists, engineers, and "social technologists."

Students in the new program will take courses in CIT, Mellon Institute of Science, the College of Humanities and Social Sciences, and are expected to interact "significantly" with Carnegie-Mellon's proposed Environmental Institute, and the School of Urban and Public Affairs (SUPA). Emphasis will be on courses in mathematics, engineering, physical sciences, quantitative social sciences, and independent interdisciplinary problem solving projects. Problem areas will be abstracted from local, state, and national situations and will include urban transportation, urban housing and development, and environmental control.

Undergraduates will be permitted to work on a single major leading to a B.S. degree in engineering and public affairs, or a double major for a B.S. in a specific engineering field and engineering and public affairs. The first freshman class will enroll September, 1971.

Instrumental in development of the new program were Herbert L. Toor, dean, CIT, and Everard Williams, George Westinghouse Professor of Engineering.

New Study-Abroad Program Begins

The College of Humanities and Social Sciences initiated a study abroad program this semester offering students an unusual and excellent opportunity to learn a foreign language and culture.

In this program a small group of students (10-12) and a CMU professor live together for a semester in a foreign country for an intensive study in the language and culture of that country. This semester the first group of students (11) is in Paris with Professor Michel Fougeres, assistant professor of modern languages, and his wife, who is a part-time instructor in modern languages at CMU. Professor Fougeres is a native Parisian.

John Richard Hayes, acting dean of H&SS and associate professor of psychology, explains the program:

"In our study abroad program the students and the professor live together at a small hotel or pension. The professor holds regular classes—say, every morning. The rest of the day the student takes courses in a foreign school. Some of the students in Paris now are taking courses at the Sorbonne, some at the Alliance Française, and others at other schools. They are taking courses in French, academic courses, courses in drama, music, cooking, crafts, individual research projects, whatever fits in with their interests and course of studies. Other times they will attend cultural activities, go to museums, attend the theater, etc., either as a group or on their own."

The cost for the student is almost the same as at CMU. One student with the Paris group is a C-MAP student on full scholarship.

Dr. Juris Silenieks, head of the department of modern languages, adds: "We think our program has several advantages over the usual foreign study program. We can check our program as we go along and see what

adjustments need to be made. The students have the support of other students and a professor they know. In other programs the student goes abroad on his own by and large. His American school often has little idea how things are working out. Programs in many foreign schools aren't geared to our students and there can be difficulty transferring credits. Furthermore, our program is open to all majors and classes. I know of no program like this at any other school in the country.

"Of course," Dr. Silenieks points out, "the basic purposes remain the same: insight into language, an understanding of the culture, and insight into one's own language and culture."

"We think our program will not only accomplish these purposes better than other programs, but that it will stimulate student interest in foreign languages and cultures. Having the opportunity to actually live in a foreign country for a semester under professional guidance will enable the student to acquire a sound understanding of that country. We think it is an exciting program that will generate great interest in foreign languages and cultures at CMU." Judging from the enthusiastic letters coming from Paris this spring, the program will do just that.

Civil Engineering Hosts Curved Girder Conference

Participants in a national study on curved highway bridge girders met at Carnegie-Mellon in March to review progress to date on the \$1.3 million research project. The three-year study, now in its second year, will determine design requirements for curved girders, a recent structural innovation rapidly replacing straight girders in curved highway bridges.

Attending the three-day conference were representatives from the U. S. Department of Transportation, 23 state highway departments, including Pennsylvania, and the four participating universities: CMU, Syracuse University, the University of Rhode Island, and the University of Pennsylvania.

Dr. Charles Culver, co-director of the project at CMU and associate professor of civil engineering, explained the advantages of the new girders. "The curved girders make a bridge more attractive and usually cheaper than straight girders. Take the piers, for example. Previously, a curved bridge approach was made by placing several straight girders into a curved pattern, necessitating many piers at the connecting points. By reducing the number of piers, the cost is reduced and the bridge is esthetically more attractive."

"The study, known as Project CURT (Consortium of University Research Teams)," he continued, "will develop information so that we can build bridges and bridge approaches more rationally and make a more efficient utilization of material. By developing unified methods of analysis and design, we will be able to determine specification requirements to be used by the states."

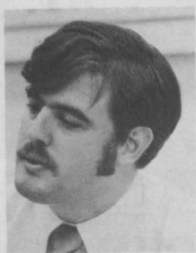
Regarding safety, Dr. Culver said: "We know that bridges already built using the curved girders are safe. By experiments and analysis, however, we can determine rational and specific safety factors to be put in the specifications."

Dr. Culver said that CMU is receiving grants totaling some \$150,000 from the U. S. Department of Transportation for its part in the project, a study of the buckling phenomenon in curved box girders and plate girders. Tests are made on the University's recently acquired loading frame for large loads. The loading frame was designed at CMU and donated by Jones and Laughlin Steel Corporation.

Co-director of the study at CMU is Dr. John D. Mozer, assistant professor of civil engineering.

A CMU alumnus, Regis Fey, E'37, president of Fey Steel Inc., is fabricating the specimens used in the tests at CMU.

A good example of the new curved girder construction is located right in Pittsburgh, the Fort Duquesne Bridge. The Bridge was one of six Prize Bridges of 1970 chosen by the American Institute of Steel Construction.



Director Taylor

Blazers, Bush Jackets and Murals Mark New Style in Campus Security



New-look Security Officers

There's a new look at the Office of Security Services. Some officers are wearing blazers or bush jackets and slacks instead of uniforms. Job titles have been demilitarized. The counter which used to confront visitors to the Security Services Office has been taken down, by the men themselves. Female desk clerks "man" the phones. Students work as part-time aids. Even the walls of the office are to be transformed: art students will paint murals depicting social issues relevant to the security function on the walls in the near future.

What do these surface changes mean? The changes have all occurred since Ron Taylor took over as director of Security Services last fall, and Taylor readily agreed to discuss the significance of the visible changes.

"The new emphasis in Security," said Taylor, "is on service, and we think these outward symbols reflect this new emphasis. The University was fortunate in that the existing staff at all levels were flexible men (and women) open to change and dedicated to the philosophy necessary to restructure the office. The heart of the security operation is not the man behind the desk, but the officer patrolling the campus on his own, 24 hours a day.

"We have made a close examination of the demands made on the Security Services Office by the CMU community and of the resources available in our office and come to the conclusion that this office functions best as a service department to the University. Which is also to say that we do not see our office as primarily a means of law enforcement or an administrative instrument to punish persons breaking campus rules."

What services does Security perform?

Taylor elaborated: "One of our main functions is to monitor activities on campus to prevent problems from arising or help resolve problems which have already developed. In monitoring student activities we work closely with the Dean of Student Affairs and take our cues from him on matters of policy relevant to students. The aim is to deal with problems on a person-to-person level, thus maximizing informal controls.

"Another important job we perform is education to prevent crime. We advise students, for example, how their behavior sometimes contributes to their being victimized. Our Office is aware of the various potentialities for crime throughout the campus and familiar with techniques to prevent or minimize such crimes, and we feel it's our job to pass this information on to the students and the rest of the campus community."

The Security Services director continued: "We also

provide ambulance service for the campus. Fortunately, most of the cases aren't serious emergencies, but even in less serious cases we provide a needed service to the campus community here, and rendering this service contributes to maintaining good relations with the students."

In attempting to define the role of the Security Services Office on campus Taylor has found related demands which he feels are beyond the current capabilities of the Office. Certain aspects of fire safety fall in this category. "We feel that fire safety in the engineering and science laboratories can best be handled by specialists, such as an in-house committee and/or a physical plant engineer assigned to the job, with occasional assistance from the City fire marshal. We are attempting to upgrade our capabilities, and we hope that one day a full-time safety professional can be added to the University staff."

Taylor said the service orientation of the Security Services Office in fact closely parallels the traditional service role of the police to the community. "While serving with the District of Columbia police force," Taylor pointed out, "I came to realize that a policeman spends much more time providing services to the community than in law enforcement.

"Furthermore, the most important tool in police work is verbal skills. Talking is the key to resolving many difficult situations encountered frequently in police work. Often, it isn't the situation that's so important, but how it's handled. In other words, force should always be a last resort. This is particularly applicable to security work on campus and in keeping with the University atmosphere."

Finally, Taylor's approach to security includes a viewpoint sometimes forgotten today, impartiality. "A member of our Office may hold any personal political outlook he wishes," said Taylor, "but on the job he must be neutral. This is very difficult nowadays, but it's vitally necessary for our job." Probably the place where this view receives its greatest test is in student demonstrations. "Freedom to dissent is an important American right," said Taylor. "We must maintain the security of the dissenters, as well as those opposed to the dissenters or demonstrators."

And if that doesn't seem fair enough, check at the next student demonstration to see where the megaphone came from. Failing other sources, there's a good chance it came from the Security Services Offices, strong evidence that the new trappings do indeed reflect a new outlook in Security.



Miss Thompson

Harper's Bazaar Honors Drama Alumna

Harper's Bazaar has chosen Sada Thompson, A'49, one of the "100 Women in Touch with Our Time." Miss Thompson was cited as a "tenacious actress of remarkable virtuosity and notable grace" and for the "finest performance of the '70 season" in *MARIGOLDS*.

The women were selected by *Harper's Bazaar* for outstanding accomplishments in their fields and joined another 100 selected in 1967. Miss Thompson shared the honor with such colleagues as Coretta King, Joyce Carol Oates, Renata Adler, Jacqueline Grennan Wexler, Sen. Margaret Chase Smith, Leontyne Price, Marianne Moore and Margaret Mead. The recognition appeared in this year's January issue of *Bazaar*.

The honor was the latest of many Miss Thompson has been accorded in her successful career. Most recently she has starred in the Off-Broadway play *The Effect of Gamma Rays on Man-in-the-Moon MARI-GOLDS*, for which she won critical raves, an Obie Award and *Variety's* annual critics' recognition in 1970 as the "best female lead off Broadway." Reviewing the play and her performance, *New York Times* critic Walter Kerr described her as "one of the American theater's finest actresses." The play, thanks in large part to Miss Thompson's performance, won the Drama Critics Circle Award as Best American Play of the Season (1970). (Another CMU alumna, Amy Levitt, A'68, also has played a major role in the five-character play.)

In 1965 Miss Thompson received another Obie, for her performance of Dorine in *Tartuffe* with the Lincoln Repertory Theatre. She was the recipient of a Vernon Rice Drama Desk Award in 1957 for "outstanding achievement in Off-Broadway theater," in particular for her acting in *The River Line* and *The Misanthrope*.

Miss Thompson has enjoyed success both in New York and beyond. Critics were unanimous in praising her for her appearance in *Johnny No-Trump* on Broadway in 1967. She was also acclaimed in Samuel Beckett's *Happy Days*, as well as other productions by Theatre 1969. She has had major and minor roles in numerous Off-Broadway plays and her extensive repertory background includes leading roles with the American Shakespeare Festival, the American Conservatory Theatre and other regional theaters throughout the country. She has the distinction of having appeared in three exceptional productions of Dylan Thomas' *Under Milkwood*—the original reading with Mr. Thomas in New York, William Ball's acclaimed Off-Broadway production, and the National Educational Television presentation.

Miss Thompson will appear in movies for the first time in the near future with roles in *The Pursuit of Happiness* and the Shirley McLain comedy *Desperate Characters*.

This summer Miss Thompson will be featured as Christine in Eugene O'Neill's *Mourning Becomes Electra* at the Shakespeare Festival in Stratford, Conn.

Mechanical Engineer Proposes Expanded Auto Safety Testing

A large-scale revamping and expansion of the Federal Highway Administration is desperately needed in the interest of highway safety. This is the conclusion of a Carnegie-Mellon professor who has spent much of the last decade in the study of vehicle dynamics.

Dr. Edward Saibel, professor of applied mechanics at the University, proposes that the Administration be reorganized to parallel the Federal Aviation Administration in scope. Specifically, he would like to see all proposed automobile designs submitted to the Administration for safety testing and approval before being sold to the public, in much the same way as proposed airplane designs must meet rigorous standards before commercial use.

Professor Saibel



Dr. Saibel contends that under the present system, U. S. car manufacturers plan and design separate components that are essentially thrown together in production, with little regard for the interaction of these components. "If we did this with airplanes," he says, "imagine how many more crashes there would have been by now. Although we have more vehicles with more powerful engines and more high-speed roads to use them on, the basic design of today's vehicle consists of a number of essentially uncoordinated pieces attached to a modified 1880 Studebaker wagon chassis."

The current industry practice in planning a new model, according to Dr. Saibel, is for the company to engage a designer to present a basic body shape. The company then finds how much room is available for the engine, specifies the horsepower to be contained in that amount of space, tells someone else to design a transmission, picks a suspension system, and then orders millions of a certain size tire from a tire company. "All of this is done with little regard to what effect each of these components has on the vehicle, and what each contributes to a more stable and safer vehicle," he says. "For example, of the cars being produced today, some are under-powered for modern highway conditions, while others are overpowered, with no real relationship of brakes to horsepower."

The CMU professor contends that highway safety is dependent on the three factors of driver, vehicle and road, and that only a very limited amount of study has been undertaken on the interaction of these factors. "The Federal Highway Administration should be responsible for the coordination of all three of these aspects instead of the current 'patchwork quilt' approach. Aside from the Interstate Highway System, there is very little uniformity from state to state in such things as automobile inspection requirements, speed limits, road markings, and requirements for driver's licenses."

Dr. Saibel has been interested in the area of total vehicle design on and off for the past decade. In the past three years, as a result of research he has conducted for the Tire Systems Section, Office of Vehicle Systems Research, of the National Bureau of Standards, his interest has intensified. Initially, he was to assist in a study designed to classify and rate tire safety, "but we found it was necessary to study all the components—driver, road, and the total vehicle—to determine whether or not a tire is safe," Saibel said. "In other words, contrary to what we read, there is no such thing as a tire that is the safest on all automobiles under all conditions."

In studying vehicle dynamics, Saibel has constructed a working mathematical model, featuring eleven degrees of freedom and a variable capability, that can be used to determine the actions of a car at any stated speed, given the specific operating conditions. This computer program can take into account the effects of such variables as wind, road surface, and road curvature, as well as vehicle characteristics (weight, center of gravity, suspension, shape, etc.). With this information the model can closely predict the behavior of any particular automobile in a specified situation; however, basic car data must be fed into the equations.

Seemingly, such information would be relatively easy to obtain from the automobile manufacturers. But according to the CMU engineer, "Much of that basic data on actual models is unavailable, at least from the auto companies. Their response to my requests for detailed information have ranged from subtle procrastination to outright refusal. The results, however, were always the same — I didn't get the information I needed."

Saibel emphasizes that he is not a missionary in the field of auto safety, but rather is upset because of the industry's complete lack of interest in what he believes is "a valuable research tool for use by the auto manufacturers." Rather than cooperating in the project, Saibel claims, the manufacturers have made information unavailable to him, thus making the vital job of gathering the data nearly impossible. He is furthermore convinced, through hints he has received, that the auto makers are determined to prevent their products from being publicly analyzed.



"This study is now being terminated," Saibel says, "even though the basis for a practical, usable research tool has been developed. We have gotten positive, useful results and are well on the way toward predicting automobile behavior under realistic conditions."

"All of this," he says, "has been accomplished at a relatively small cost, with all results of the study in the public domain and available to anyone who wishes to use the material. My research is not intended in any way to damage the auto makers, but to help them engineer a better and safer car. I don't understand the industry's attitude."

New Head Appointed In Chemical Engineering

A Carnegie-Mellon faculty member and alumnus has been appointed head of the department of chemical engineering, Carnegie Institute of Technology.

Dr. Robert R. Rothfus, formerly professor of chemical engineering, assumed his new post February 1. He succeeds professor Herbert L. Toor, who was appointed dean of CIT last fall.

In 1947 Rothfus joined CMU as instructor in chemical engineering after serving for five years as a chemical engineer with Eastman Kodak Company, Rochester, N. Y. He became assistant professor in 1948, associate professor in 1952, and full professor in 1959.

A native of Rochester, he earned a B.S. degree in 1941 at the University of Rochester, and received his M.S. and D.Sc. degrees from Carnegie-Mellon in 1942 and 1948. He is a registered professional engineer in Pennsylvania.



Professor Rothfus

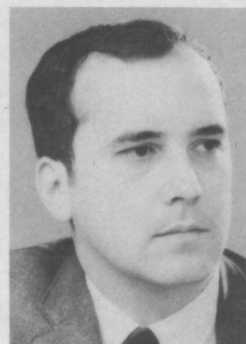
Rothfus, a specialist in fluid mechanics, heat and mass transfer, and process dynamics and control, has written numerous articles for professional journals, and holds the Western Electric Fund Award for Excellence in the Instruction of Engineering Students (Allegheny Section) from the American Society for Engineering Education. He has also been named recipient of the Ryan Award for Exceptional Teaching of Undergraduates in 1966.

Chemist Here Wins Sloan Fellowship

William L. Mock, assistant professor of chemistry in Mellon Institute of Science, has won a research fellowship for 1971-72 from the Alfred P. Sloan Foundation.

The 32-year-old native of Los Angeles, a fellow at Mellon Institute since 1965, was among 77 young physical scientists in the U.S. and Canada who received the Sloan awards this year.

The fellowships provide research support averaging \$8,750 annually over a two-year period.



Professor Mock

Dr. Mock, who was selected from some 500 nominees by a committee of distinguished senior scientists, has been assistant professor here since 1967. Earning his Ph.D. at Harvard University in 1964, he held a post-doctoral fellowship at Massachusetts Institute of Technology from 1964 to 1965. He received his B.S. at California Institute of Technology in 1960.

The scientist is a member of the American Chemical Society, the American Association for the Advancement of Science, and Sigma Xi.

The Sloan Fellowships, awarded annually since 1955 to assist scientists at an early stage of their careers, are based on a nominee's capacity to perform original and creative research. Average age of fellowship winners this year is 30.

Transport Pros Take Courses, Tour Europe in TRI Program

It was a program marked by lucid insights, a real-world approach, and shattered convictions.

Such are the views held by some of the 30 transportation specialists from around the nation who participated in Carnegie-Mellon University's Professional Program in Urban Transportation last fall.

Their impressions are part of a report on the six-week program issued recently by the Transportation Research Institute (TRI). TRI sponsored the program with support from the Urban Mass Transportation Administration of the U. S. Department of Transportation.

Enrolled were transportation professionals from 14 states and Puerto Rico who represented state and local highway and planning agencies, operating organizations, and university research.

"I came to CMU with strong 'seat of the pants' convictions concerning the solution to the urban traffic congestion problem in my area," said one of them in response to a follow-up survey conducted by William W. Ellis, director of special education for TRI. "But I left CMU with these convictions shattered." Another participant said he was "helped immeasurably to sort out the important from the unimportant, realities from dreams, the possible and the impossible." A third professional was grateful for the "union between the academic approach and the real-world approach" in problem-solving provided by the program.

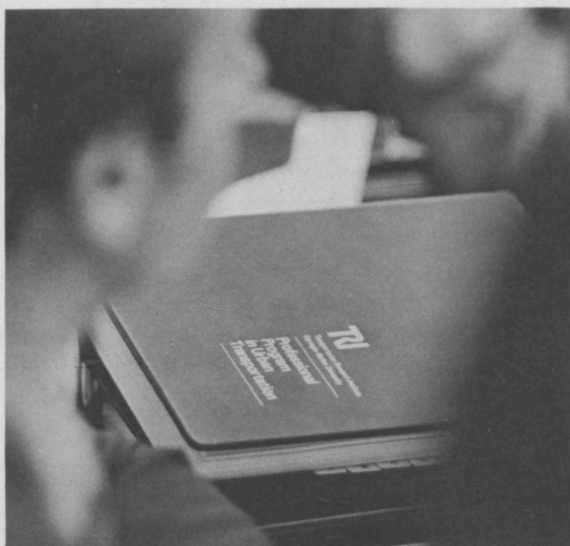
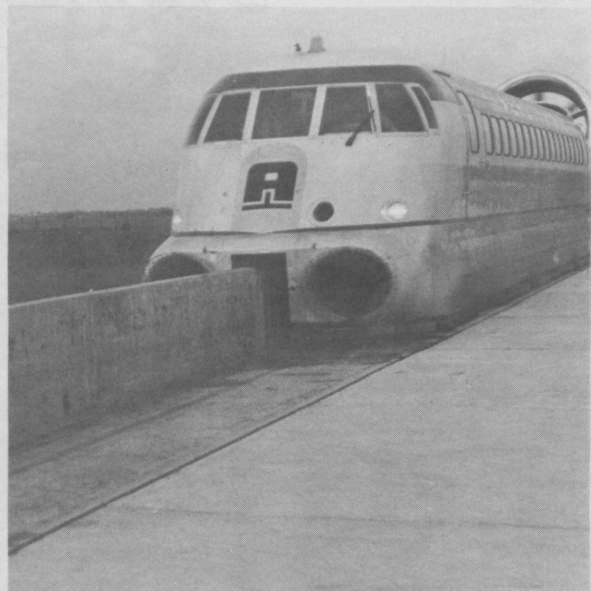
The program, designed to bring the participants up to date on the latest techniques of transportation and planning and to improve understanding of the role of transportation in the development of urban centers, included four weeks of classroom work on campus and a two-week study tour of Canadian and European urban transit systems.

"The pressure of daily responsibilities and the difficulty of initiating self-study are some of the obstacles professional transportation personnel must overcome if they are to keep up with many of the newly developing fields," Mr. Ellis explained. In addition, he said, the college graduate of some 10 years ago received his education at a time when the multidisciplinary approach to problems of transportation, housing and the environment was not yet prevalent in undergraduate schools and, in most instances, graduate schools.

"When I saw the outline of the course," said one of the participants, "I was afraid it might be over my head. In some respects it was, but I think there were many things I could grasp, and feel I got a good deal from it."

Classroom work consisted of seminars in management, planning, technology, and fundamental concepts. Studies covered common carrier fleet and highway operations, marketing, information, financing, research, recent developments in forecasting and analysis, advanced treatments of transportation and urban planning and economic evaluation, and statistics and computer science. Also included were courses in optimization techniques and basic economics, and design of way facilities, vehicles, interface facilities and networks.

French Aerotrain



On the faculty were lecturers not only from Carnegie-Mellon but from Harvard University, Princeton University, University of California at Berkeley, Northwestern University, The Urban Institute, and other academic and private institutions.

At the close of the classroom segment of the program participants embarked on a two-week tour of transit facilities in Montreal, Paris, Hamburg, Stockholm, and London, and visited the demonstration site for the Aerotrain at Orleans, France. They observed the operation of and rode on rail, water, subway, and bus lines, and inspected stations, control centers and maintenance shops. In addition they met with many government and private authorities who discussed urban transportation problems and developments in their respective regions.

"I found this portion of the course most interesting and pragmatic," commented one of the members of the study group. "The experience of others as explained and as seen provide a more lucid insight into transportation operations..."

The overall impact of the program is just beginning to take shape, according to Lester A. Hoel, academic coordinator of the program. Dr. Hoel said that one member of the group has indicated that an internal education program based on TRI's six-week course is being considered by his agency, and a second participant has cited tentative plans for organization of a department of transportation in a major city.

The program, which is expected to be repeated next fall, was developed by James P. Romualdi, director of TRI, Dr. Hoel, associate director, and Joseph S. Drake, assistant professor of civil engineering.

Third Generation Student Among 1971 Graduates

A description read from an unidentified catalog brought the third generation of Hobbs to Carnegie-Mellon University.

Barbara Hobbs, a senior in Humanities and Social Sciences majoring in English, is the daughter of George S. Hobbs E'43 and Kathryn Zonge Hobbs, MM'43 and granddaughter of James C. Hobbs, E'10 and the late Isabella Smith Hobbs MM'10.

Barbara really hadn't planned on attending CMU and had in fact applied to four other Universities and had been accepted when she decided to have another talk with her high school counselor. After discussing what Barbara wanted in a University the counselor read a description from a catalog. Barbara said, "That's it," and then learned it was CMU, alma mater of her parents and grandparents.

Barbara hasn't regretted that decision. She's enjoyed her four years at CMU and plans to stay in Pittsburgh after graduation. Her home is in Painesville, Ohio where her father is a self employed mechanical engineer.

She hopes to use her talent for writing in some public service capacity and her many extra curricular activities will aid her too. She is copy editor of the *Tartan*, a member of Cameron Choir, Pi Delta Epsilon, honorary journalism society, and was elected to sophomore honorary, Cwens, junior honorary, Phi Tau Gamma, senior honorary, Mortar Board. She participated in the student Women's Lib meetings and is a member of Kappa Alpha Theta, social sorority.

Active in campus activities is nothing unusual for a member of the Hobbs family. Barbara's father was president of Delta Upsilon fraternity and Interfrater-

1910

Award Winner J.C. Hobbs



George S. Hobbs
1943



Kathryn Zonge Hobbs
1943

1939

Robert W. Hobbs



1971

Barbara Hobbs



nity Council and a member of honoraries Omicron Delta Kappa, Pi Delta Epsilon, Alpha Iota Omega, Pi Tau Sigma, Scimitar, and Delta Skull. Her mother, the former Louise Zonge, in her senior year was campus queen for the Fall Carnival, Honorary Lt. Col. at the Military Ball, and president of the senior class in Margaret Morrison. She was an active member of Student Council, Intersorority Council, and Gamma Phi Sigma.

Both have continued their interest in Carnegie-Mellon attending homecomings and serving on CMAC, Carnegie-Mellon Admissions Council.

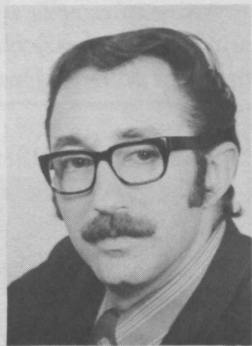
Barbara's grandfather is still active, also, though retired from his work as an engineering consultant and living in Coral Gables, Florida, he attended last year's homecoming. In 1958 he received a CMU Alumni Merit Award.

There is a sixth member of the Hobbs family who earned his degree at CMU, Robert W. Hobbs E'39, also a mechanical engineer and a brother of Barbara's father. He is now president of the American Hydroplane Corp. in Miami, Florida.

Asked if she enjoyed her four years at Carnegie-Mellon, Barbara replied, "It's been great, mostly because of the people, the faculty and the students. The faculty are so willing to listen and help solve any problems and the students are a stimulating group."

Engineering Prof Leads Consumer Group

A Carnegie-Mellon faculty member is deeply involved in a bold, new project to aid consumers in the Pittsburgh area. Dr. Ronald D. Pittle, assistant professor of electrical engineering, has been one of the driving forces behind the Alliance for Consumer Protection (ACP), a volunteer-run organization founded a year ago.



Professor Pittle

"ACP has four basic goals," says Dr. Pittle. "These are to resolve individual consumer/merchant disputes, to inform the public of unethical business practices, to make the public aware of their rights as consumers, and to educate the public in wise consumer practices. The overall aim is to restore a sense of respect, prestige, and power that consumers appear to have prior to a purchase but somehow lose after the purchase is made—and it should not be necessary in most cases for the consumer to spend time and money to hire an attorney to bring this about. All too often the claim does not warrant this kind of expense, and the consumer absorbs the loss as simply a bad experience."

"It is in the area of resolving grievances that we differ from most other organizations and agencies designed to help the consumer," he continues. "We are one of only a handful of groups in the country that are willing to picket a merchant's place of business. If we are absolutely convinced of the validity of the consumer's complaint and after we have exhausted every other means for resolving the problem, we may then decide to use informational picketing to bring the case to the public's attention."

So far the Alliance has taken this recourse only one time: a car sold as a demonstrator was later discovered to be a rental car and the auto dealer refused to give any relief. The merchant succeeded in obtaining an injunction against the picketing which was widely covered by Pittsburgh news media. However, after two court hearings during which Dr. Pittle testified as one of the Alliance's "character witnesses," the court overturned this injunction and upheld the Alliance's right to picket the merchant. The dispute was resolved satisfactorily before picketing resumed.

"This decision has established the consumer's right to publicly air his complaint against a merchant by means of informational picketing," Pittle says, "and has proven to be one of the first of its kind. The decision is now being cited as precedent in similar cases across the country."

As chairman of the Grievance Committee and a member of the ACP board of directors, Dr. Pittle is well aware of scattered adverse reaction to the organization's approach. "Occasionally," he says, "we have been referred to as a 'vigilante group.' I think the charge is unjustified. When you realize that we have handled nearly 200 consumer complaints in our first year, and have used this 'last resort' only once, it should be clear that we are not in the habit of over-reacting. As a matter of policy, the Grievance Committee never recommends action of any kind without having thoroughly investigated *both* sides of the problem. We clearly recognize that the consumer can be and sometimes is unreasonable in his demands on a particular merchant. Nonetheless, he is still entitled to the same

respect and courtesy that he received from the merchant when the purchase was being negotiated."

Started by a handful of people in March, 1970, the Alliance for Consumer Protection now has approximately 500 members representing an economic cross-section of society, and the group is growing rapidly. "Merchants are beginning to recognize us as a responsible and reasonable consumer organization," Pittle says. "We are finding that the reputable businessman is every bit as concerned about unethical business practices as we are. In many cases, simply our intervention as an objective third party results in a settlement which satisfies all concerned."

As with most volunteer organizations, the active participation of its members is usually a persistent problem. According to Dr. Pittle, "Participating in the ACP involves spending several hours during an evening or a weekend in an effort to help resolve one consumer's problem, and also aiding consumers at large with supermarket surveys, automobile dealer surveys, etc. We need to find more people who are willing to make this commitment both for themselves and for the increasing number of consumers who are turning to us for help."

Rifle Team Leads Winter Sports

The rifle team was the only winter varsity sport to come home a winner this year, although the basketball team provided CMU fans with plenty of nail-biting excitement.

Considering the problems, coach Jim Brown's basketball squad finished with a fairly respectable record, 6-13, and even set one record. Gene Turner, a sophomore transfer from Allegheny Community College, broke the CMU season field goal record with 168 goals and led the team in scoring with 396 points for a 20.8 per game average. Senior Kevin Cotter was the leading rebounder with 169 and second highest scorer, while junior Jeff Hollis was third in scoring and rebounding.

The problems were lack of experience and height. First-year coach Brown had only three returning lettermen and only one of them had been a starter. Throughout much of the season Brown was starting three players 5'10" or under (Hollis is 5'8" and Turner 5'9").

Nevertheless, the Tartans' hustling, scrappy style of play resulted in many exciting ball games, and there were few games they weren't in all the way. Two highlights were the Westminster game at home and the first half of the Pitt game at the Pitt Fieldhouse. Against Westminster, the Tartans were down by 11 with 14 minutes to play and outscored the Titans the rest of the way by 29 points to win 89-71. At the Fieldhouse, CMU jumped to an early 9-1 lead over Pitt, conquerors of nationally-ranked Duquesne, and stayed with the Panthers till the half, being down by only 10, 57-47. However, the rest of that game and the second encounter belonged to Pitt, giving good evidence why the long series was concluded this season. If Brown can



get some height and talent up front to work with guards Turner and Hollis next year, the Tartans could improve their record considerably.

Compiling an 8-7 season record, the rifle team enjoyed its second straight winning season. In a post-season Pa.-W.Va. sectional meet, coach M/Sgt. Andrew Jackson's shooters placed fourth in the 16-team meet. The Tartans finished fourth in the 10-team Western Pennsylvania Intercollegiate Rifle League, down one place from last year. Sophomore Wray Paul was the leading total scorer for the second year in a row, and his 263.7 average led the team. Second best average belonged to sophomore Norman Cable.

The swimming team, not living up to pre-season expectations, posted a 2-10 record. Coach Steve Fagan's swimmers were 2-2 early in the season, but after that it was downhill, as many opponents proved to be stronger than anticipated. Bright spots were the distance swimming of Bob McIntyre and the sprinting of Kent Schnake, who will co-captain next year's team. Schnake was very impressive at the Penn-Ohio Championships, where CMU took ninth place.

Wrestling made its varsity debut this year and the inexperienced grapplers went winless, 0-9. Coach Paul Steva's squad was hampered not only by inexperience, but also lack of depth. CMU forfeited 16 individual matches through injuries or lack of men at a specific weight class. On the plus side, Steva's three most winning wrestlers will be back next year—Pete Kelston, Alan Kohan and Victor Rogers.



Club hockey had its first season at CMU this year, and the team finished with a respectable 4-7 record. The Tartan icers played the first two college hockey matches ever played at the Civic Arena, following Pittsburgh Penguins' matches. The Tartans and other interested schools are hoping to get a varsity hockey league operating in the Tri-State area in the near future.



Grad bag

K. Elmo Lowe

K. Elmo Lowe, FA'24, died January 27, 1971 in Cleveland—a city where he was known as Mr. Theater. He was 71.

Mr. Lowe, along with the late Max Eisenstate FA'24 and the late Frederick McConnell BA'17 went to Cleveland from Pittsburgh and Carnegie Tech fifty years ago. They associated themselves with the Play House, an amateur group about to turn professional,

and built the Cleveland Play House into an institute of national stature.

"K. Elmo Lowe came to the Play House in 1921 and in association with Frederick McConnell transformed a small amateur group into a unique professional theatre—an artistic entity that has profoundly influenced the American national theatre. K. Lowe acted in, directed and produced hundreds of plays. He stimulated young playwrights by his encouragement and production of new plays. He inspired countless young actors and launched many successful careers in theatre. He figured importantly in many varied civic and national theatre undertakings. In his person and through the Play House he contributed immeasurably to the cultural life of Cleveland."—from a tribute to Mr. Lowe from the trustees and management of the Cleveland Play House who have established the K. Elmo Lowe Memorial Fund in his honor.

Paley Awards

This year's Irving S. Paley Construction Industry Awards were won by Keith J. Meyer, of Beaver, and Leroy R. Taylor, of Swissvale.

Meyer, a junior in civil engineering, was previously awarded a U.S. Steel Good Fellowship and a Pennsylvania Higher Education Assistance Agency Scholarship. Taylor is a sophomore in civil engineering.

The two students received \$200 each under terms of the Paley Award, which is given annually to two civil engineering students interested in the construction industry.

The Paley Construction Industry Award was established in 1966 by Irving S. Paley, who received his B.S. degree in civil engineering at CMU in 1944. He is president of Morris & Son Construction Corp. in Lowell, Mass. and a long-time active member of the Associated General Contractors of America.

Kiltie Encore

The New York Coordinating Council of Carnegie Clans brought the Kiltie Symphony Band back to its bailiwick for another successful concert last month.

The 100-piece student band performed for a near-capacity audience when it appeared in New York City's Carnegie Hall April 18 for its fifth annual concert in that city.

The concert was the group's third in the famous music hall in as many years. The band played in Town Hall in 1967 and 1968.

Highlighting the concert was the world premiere of *Cumbres—A Short Symphony for Band* by Leonardo Balada, associate professor of composition at Carnegie-Mellon, and a solo performance of Ralph Vaughan Williams' *Concerto for Bass Tuba* by Philip Catelinet, associate professor of music here.

Dr. Richard Strange, professor of music and director of the band, and Harrison Schlee, assistant professor, conducted.

Maxwell H. Connan is president of the Council. On the concert steering committee were Chauncey Rapp, Jackie Connolly, Vera Doherty, and Aubrey Amey.

Research Apprenticeships

The National Science Foundation (NSF) has granted \$4,810 to Carnegie-Mellon University for undergraduate research projects in metallurgy and materials science this summer.

Directing the projects will be Harold W. Paxton, head of the department of metallurgy and materials science.

The award, which will enable three students to conduct independent research under the guidance of established scientists, is one of some \$4 million in NSF grants to 251 institutions for summer research apprenticeships in various fields.

Clan News

GOLD COAST CLAN—FORT LAUDERDALE held a dinner meeting on February 11 at Sky Harbor East in Fort Lauderdale. Guests at the reception and dinner were Dr. and Mrs. Stever.

The Steering Committee met in March at Mrs. Demers' residence to finalize plans for a picnic. The picnic will be held at Birch State Park in Fort Lauderdale from 3:00 p.m. to dark on Sunday, May 16, 1971. Notices will be mailed locally. Pavillion #3 will be the gathering area. This is located on the Intercoastal Section of the Park.

The Steering Committee members are:

Mr. and Mrs. Demers, Mr. and Mrs. McKee, Mr. and Mrs. Ginsberg, Mr. and Mrs. Tilbrook, Mr. and Mrs. Duve, Mr. and Mrs. Gerum, Mr. and Mrs. Ostrow, Mr. Stan Kosco, Mrs. Andrews, and Mr. Les Schweitzer (Term to begin in 1972).

Thirty-four members of the **LOS ANGELES CLAN** met on Friday, March 26 at Andre's of Beverly Hills to hear Robert L. Chass, E'39, speak on "Control of Air Pollution: Is There Any Hope for the Future?"

Mr. Chass has been active in air pollution control work for 30 years, and currently heads the Los Angeles Air Pollution Control District, the leading air pollution control agency in the U.S. and, possibly, the world.

A spirited question and answer period followed the presentation.

THE PHILADELPHIA CLAN Annual Alumni Dinner will be held at the Merion Cricket Club on May 8, 1971. It promises to be an evening of good entertainment with dancing, election of Clan officers, and a prominent speaker from Carnegie-Mellon University. Cocktails will begin at 6:30 p.m., and dinner will follow at 7:30 p.m. All Philadelphia Clan members are invited. For further information, contact Barbara Freeman, chairman of the event.

The Philadelphia Clan Annual Swim Party for undergraduates and incoming freshmen will be held on July 31, 1971. More details on this event will be provided in a forthcoming News Letter.

THE PITTSBURGH ARCHITECTURAL CLAN held its second event of the year on February 19, 1971. A cocktail party at Allegheny Center was followed by an enjoyable visit to the Aviary, where Mr. Roland Hawkins was a most knowledgeable guide, and a very gracious host. Those who attended the party at the Seaquarium can now add another Anthony and Larry Wolfe space-experience to their reminiscences.

The final event of the Clan year will be a meeting on campus for members and students.

THE SUNCOAST CLAN—St. Petersburg dinner theatre party held at Billy Rose's Dinner Theatre at St. Petersburg Beach was a success and enjoyed by all who attended. The next full Clan meeting will be a boat ride and dinner party on Sunday, May 16. The destination will be Bahia Beach aboard the excursion ship "Point O'Woods IV." Reservations and checks should be sent to:

Norman W. Lindsay, 9659 Portside Drive, Yacht Club Estates, Largo, Florida 33540.

The cost is \$5.50 per person.

At the Board of Governors meeting held at Wilda Cook's home on February 14, Col. Grande stated that on May 4, 1971, eight members of the Board of Governors will be replaced. The new members' terms will expire on May 4, 1973. Wilda Cook is chairman of the Nominating Committee.

THE YOUNGSTOWN CLAN had a meeting on February 18 at the Youngstown Playhouse. We had a delicious catered dinner downstairs, before viewing the play, "My Daughter, Your Son."

The next meeting of the Clan is planned in the early summer for election of officers.

THE WASHINGTON CLAN had ten members of the Board attending the February 6, 1971 Awards Luncheon of the All Pennsylvania College Alumni Association of Washington, D.C. Honored at the luncheon was John H. Moyer, M.D. of Lebanon Valley College and the University of Pennsylvania. Dr. John Warner of Carnegie-Mellon University was the recipient of this Citation in 1967.

Washington, D.C. area high school students who have been accepted for the full fall term at CMU were entertained at a tea at the Shoreham Hotel on April 17, 1971. Slides of the campus were shown and upper classmen were present to meet the new students.

On May 22, 1971 a cocktail party for Washington alumni will be held at the home of Mr. and Mrs. John H. Davis, Jr. in Bethesda, Maryland.

The Clan continues to have noon luncheon meetings on the second Thursday of each month at the Golden Ox Restaurant at 1615 L. Street N.W. Those who attend regularly would like to have more local alumni join them.



Dr. H. Guyford Stever meets founding alumnus while attending recent meeting of the Gold Coast Clan in Ft. Lauderdale, Fla. The bearded gentleman is Harry A. Holmes, who studied chemistry here from 1906 to 1908.



Marriages

Mrs. Frances Callahan Doherty (M'35) and Laurence R. Smith

AT HOME: 265 Shady Ave., Apt. 34, Pittsburgh 15206
Susan Wainwright and William H. Friesell, IV (IA'68)
Catherine Walker (M'68) and Charles Pharr

AT HOME: 77 Villa Ct., Greenville, S. C. 29609
Nadine S. Slaven (HS'70) and Mark S. Silver (A'68)

AT HOME: 5826 Douglas Street, Pittsburgh 15217
Hilary A. Kurzwel (M'70) and Steven I. Taub (E'70)

AT HOME: 2316 Society Drive, Claymont, Del. 19703
Diane Marburger (M'71) and Bradford L. Smith (E'69)

AT HOME: #10 4121 S4 Mile Run Drive, Arlington, Va. 22204



Classes

'08-'19 —ENOS COOKE (A'18), retired architect, is living in New Kensington, Pa.

The Alumni Office has learned of the death of JOHN P. KEGEL (I'10) on November 24, 1970. His home was in Rochester, New York.

JAMES W. DOUGHERTY (E'11), of Pittsburgh, died March 12, 1970. He was a retired vice president of Heyl & Patterson, Inc.

WILLIAM BALL, JR. (I'11) has retired from R. Lavin & Sons at the age of 77.

CHARLES A. FISHER (I'12), a retired chief electrician with Crucible Steel Company, died February 26, 1970. He had served Crucible Steel for 38 years before his retirement in 1956. His home was in New Kensington, Pa. Among his survivors is his son, JAMES C. FISHER (E'42).

PHILIP S. MEWHINNEY (A'12), an architect in the Birmingham, Alabama area, died on December 20, 1970.

The Alumni Office recently learned of the death of KARL T. STEARNS (E'12) on September 11, 1969. His home was in Auburndale, Massachusetts. He was a retired engineer with N. E. Power Company, Boston.

ROBERT L. TROESCHER (I'12), of Youngstown, Ohio, died March 1970. He was a manual arts and science teacher in the Youngstown public schools for 33 years. He received his 33rd degree in Scottish Rite Masonry in 1956. He was a member of the Al Koran Shrine and Mummies Club. Mr. Troesch was past president of the Youngstown Executive Club and past president of Youngstown Education Association.

RAYMOND F. CROM (I'13), former vice president and general manager of McQuay-Norris Division of Eaton, Yale, & Towne Inc., died March 7, 1971. His home was in Indianapolis, Indiana.

RICHARD R. ROSE (A'13), of Gary, Indiana, died on March 15, 1971. He retired from the Gary Sheet & Tin Mill in 1955. He was a member of the Tall Cedars of Gary, the Scottish Right, 32nd Degree of South Bend Consistory, the Orak Temple, A.A.O.M.S. of Hammond, Indiana, and a member of the East Gary Scottish Right Club.

L. C. FOGG (E'14), of Farmington, Connecticut, died December 20, 1970.

The Alumni Office has recently learned that CARL M. KAUN (I'18), of Johnstown, Pa., died February 13, 1970.

EDGAR F. OBERT (E'18), of Pittsburgh, Pa., died March 15, 1971. Mr. Obert was a retired building materials salesman with Johns-Manville Corp. He served the firm for 35 years. Among his survivors is his wife the former ELIZABETH BUCHELE, (M'20).

RHEA E. BECK (A'19), of Pittsburgh, died March 10, 1971.

Mrs. James J. Dyer (MONICA COLLINS, M'19), of Steubenville, Ohio, died on February 6, 1971. She served as worker and leader in the community of Steubenville for many charitable organizations, as well as The Catholic Women's Club of St. Peter's Church, The Women's Club of the College of Steubenville and the Woman's Auxiliary of St. John's Hospital, Steubenville.

20 GEORGE C. BALAURIE (E) is retired and is living in Thessaloniki, Greece.

HOWARD E. MELANEY (I), of Chino, California, died January 2, 1971.

The Alumni Office has been notified of the death of Mrs. MARY RICARDS ROMANO (A) on December 10, 1970. Her home was in Pittsburgh.

21 CHARLES STEARNS (E) is now an assistant director of the Washington School of Drafting, Washington, Pa.

WILLIAM A. ESLER (E), a retired patent attorney in the Cleveland area, died November 25, 1970. His home was in Slickville, Pa.

The Alumni Office has learned of the death of Mrs. Percy McVetty (CLARA SEAGER, L) on March 7, 1970. Her home was in Ann Arbor, Michigan.

22 RALPH BAGGALEY, Jr. (E), of Pittsburgh, is retired.

MABEL E. HILLER (M) is retired and is living in Clarksburg, West Virginia.

LOUIS L. VAYDA (E) has been appointed finance committee chairman of the Instrument Society of America for 1971. He is retired as president of Bacharach Instrument Company, Pittsburgh. Mr. Vayda has served as chairman of ISA finance committee since 1962.

23 ARTHUR S. MARTHENS (E), of Bethesda, Maryland, died May 21, 1970. Mr. Marthens was a mathematical statistician for the Department of U. S. Navy, Washington, D. C.

24 JULIUS C. BILLETER (E) has been named the first Counsel of Switzerland for Utah. Mr. Billeter headed various engineering departments at Hill Air Force Base during the 20 years prior to his recent retirement. While at Hill, he received the Meritorious Civilian Service Award, two Sustained Superior Performance Awards, and the Special Act Award.

The Rev. JOHN R. BRECKENRIDGE (I), former rector of St. James Episcopal Church, Drifton-Freeland, Pa., died on January 3, 1971. He retired in 1960 and since that time has been rector emeritus of that church. He was a veteran of World War I, having served with the 109th Field Artillery. He was active in the work of the Boy Scouts of America and was the holder of the Silver Beaver Merit Award. He was one of the originators of the local United Fund and was active in Red Cross work.

The Alumni Office has learned of the death of RALPH H. HUMBERT (E), retired marketing manager of the large lamp department of General Electric Company, Cleveland. His home was in St. Petersburg, Florida.

K. ELMO LOWE (A), for 11 years director of the Cleveland Play House, died January 26, 1971. Mr. Lowe was an accomplished actor, theatrical director and administrator. He retired as director of the Play House in July 1969. Mr. Lowe is survived by his wife the former DOROTHY PAXTON (A, 23). Mr. Lowe was active in national theater affairs and a frequent lecturer. He was an original member of the Theater Communications Group, coordinating agency for regional professional theaters. He was an organizing member of the League of Resident Theaters and a member of the theater panel of the Ohio Arts Council.

JOHN C. MEIKLE (E), secretary-supreme council of the Moose Foundation, Loyal Order of Moose, died on September 3, 1970. The Mooseheart Student Bank, Mooseheart, Illinois, has been remodeled and a bronze and gold plaque has been placed honoring the memory of the two men most responsible for the banking facilities, John C. Meikle and Henry Andreasen.

The Alumni Office has learned of the death of HAROLD H. WILSON (E), a retired Bell Telephone engineer. Mr. Wilson lived in Bethel Park, Pa. He was a past master of Homewood Lodge No. 635 F&AM, Scottish Rite Valley of Pittsburgh, Syria Temple and the Sons of the American Revolution.

25 Mrs. Oswald T. Austen (ELSIE M. BLACKBURN, M), of Kendall, Florida, died on December 17, 1970.

26 NORMAN FOSTER (A) is a writer-director with the Hal Shafer Agency, Hollywood, California. SIDNEY S. MERMELSTEIN (E) is president of Bishop Furnace Company, Lansing, Michigan.



Brastow '27

27 FRANK A. KOLB (E), manager of advertising and sales for Standard Oil Co. (Ohio), was guest speaker at a Cleveland advertising club luncheon in January.

DOUGLAS H. BENSON (E) has retired from U. S. Coast and Geodetic Survey. His home is in Silver Spring, Maryland.

THOMAS F. BRASTOW (E) has retired as special assistant to the general manager of American Viscose Division of FMC Corporation, Philadelphia, Pa.



Births

Donald William born to Mr. and Mrs. Robert Bruce Shields (E'56, and Margaret Vetter, M'57)

Lisa Ruth adopted by Mr. and Mrs. Robert B. Gelman (E'62, and Rose Lynn, M'60)

Briant Hamor, II born to Mr. and Mrs. Briant H. Lee (A'60)

Marcia Annemarie born to Mr. and Mrs. George Taylor (IA'61, and Joanne Bauer, M'61)

Timothy Walter born to Mr. and Mrs. Walter W. Woehr (Judith L. Schiffer, M'63)

Sara Lynn born to Mr. and Mrs. Donald E. DeMart (E'64)

John Brooks, Jr. born to Mr. and Mrs. J. Brooks Van Dyke (A'64, and Judith Svedberg, M'64)

Eric Todd born to Mr. and Mrs. Duane Keith McClelland (Barbara Jean Brown, A'65)

Sara Hilary born to Mr. and Mrs. Stephen D. Kornblatt (E'65, and Joyce Reiser, M'66)

Brian Stuart born to Mr. and Mrs. Alfred B. Bortz (E'66)

Leslie Anne born to Mr. and Mrs. Harry B. Brown, Jr. (E'67, and Carole Gilbert, M'67)

Jennifer Elizabeth born to Mr. and Mrs. Donald J. Roehn (Mary A. Strauss, M'68)

Andrew born to Mr. and Mrs. Thomas Palmberg (Arleen Berioni, E'68)

James Michael born to Mr. and Mrs. Michael J. Knepley (E'69, and Susan G. Buchanan, M'68)

Joanne Patricia born to Mr. and Mrs. John Paul Waszczak (E'69)



Jacobs '28

MELVIN E. TOUSSAINT (E), a retired design engineer for Pittsburgh Plate Glass Industries, Pittsburgh, died on January 13, 1971. He was a member of the Beaver (Pa.) Planning Commission and Leota C. Hawthorne Reading Council of Geneva College.

28 JOHN F. HOTCHKISS (E) has retired from Eastman Kodak Company as superintendent of the plastic and metal products division of Kodak Park. He will devote more time to his hobby of cut glass and art glass. He has written several books and pamphlets on this subject. His home is in Irondequoit, New York.

JOHN E. JACOBS (E), senior vice president, steel operations, and a director of Bethlehem Steel Corporation, has retired. Mr. Jacobs served the corporation for 35 years. He directed the building of the Burns Harbor, Indiana, plant.

After 39 years with J&L Steel Corporation in the metallurgical department, Cleveland, JOHN M. BYRNS (E) has retired. His home is in Lakewood, Ohio.

JESSE J. BAUM (E) is living in Sun City, Arizona.

FRANK G. NORRIS (E), chemical engineer, City of Steubenville-Air Pollution Department, Steubenville, Ohio, will address the American Society for Quality Control during their 25th Annual Technical Conference in Chicago in May. Mr. Norris' technical paper on "Ashes Aren't Air" will be given before a session sponsored by the Society's Chemical Division.

WILLIAM R. BALLAD (E) is retired and is living in Park Forest, Illinois.

WILMER H. STEINMEYER (E) has recently retired from U. S. Steel Corporation as a design engineer, Pittsburgh Office. Mr. and Mrs. Steinmeyer are residing in Monongahela, Pa.

The Alumni Office has learned of the death of NORMAN W. SELLORS (E) on February 2, 1971. His home was in Farmington, Pa.

The Alumni Office has been notified of the death of HARRY C. THOMPSON (PM) of San Francisco, Calif.

29 JOSEPH M. LAZIER (I) is retired and is living in Pittsburgh. Mrs. Lazier is the former GERTRUDE TWIG (M'38).

RUSSEL B. WILKES (E), president of the First National Bank of Franklin County, Greenfield, Mass., died on January 12, 1971. During World War II, he was a lieutenant commander with the Navy.

Mrs. SYDNEY GRIFFEN MARCU (A), coordinator of technical services for the branch libraries of the New York Public Library, retired March 31. She was with the library 20 years.

30 BOYD HANNA (A) is retired and is living in Tucson, Arizona. He is listed with achievements in *Who's Who in American Art* and *Who's Who in the East*.

JOHN F. BOEHM (I), of Allison Park, Pa., is retired.

JOHN W. LELAK (I) has retired from Harbison-Walker Refractories Company a division of Dresser Industries, Inc. His home is in Sun City, Arizona.

CHARLES F. SUESSEROTT (E) is manager of thermal design and analysis with Honeywell Information Systems Inc., Phoenix, Arizona. Mrs. Suesserott is the former MILDRED HERNBLOM (M'29).

ALBERT A. MILLER, JR. (E) has been elected a director of Commercial Shearing and Stamping Company, Youngstown, Ohio. Mr. Miller a vice president of Commercial joined the firm in 1947.

The Alumni Office has recently learned of the death of Mrs. James W. Cannon (MARY BECK, A) on August 27, 1970. Her home was in Southfield, Mich.

**CLASS END IN 1 OR 6?
PLAN FOR HOMECOMING
ON OCT. 15-16, 1971**

'31 After 40 years of service with Philadelphia Electric Company, WILMON W. WARE (E) has retired. His home is now in Marietta, Georgia.

ROSS O. BOSTON (A) retired from Belle Vernon Area Schools in June 1970. He was music supervisor there for 38 years. The Bostons live in Belle Vernon, Pa.

JAMES J. STOKER (E) has been awarded the Timoshenko Medal for "distinguished contributions to applied mechanics." Professor Stoker is Distinguished Professor of Mathematics, Courant Institute of Mathematical Sciences, New York, N. Y.

JULIUS C. BILLETER (E) has been named first Consul of Switzerland for Utah.

JAMES H. SNYDER (E), manager of safety and plant protection at Hiram Walker & Sons, Inc., Peoria, Ill., died recently at the age of 63. He was survived by his wife, a daughter, two sons, and three grandchildren.

RICHARD H. ANDERSON (E), of Raleigh, N. C., died on October 26, 1970.

WINCHESTER M. ANDREWS (I), highway senior engineer for Connecticut State Highway Department, died January 17, 1971. His home was in East Haven, Conn.

ALLAN F. CRAWFORD (PM), retired president of The Crawford Press, Inc., Brockton, Mass., died September 7, 1970.

'32 EDWIN J. DATTISMAN, JR. (E) has been named manager of the Mobile, Ala., ferroalloys plant of Aircon Alloys & Carbide.

MILES A. KINLEY (E), colonel U.S. Army (Ret), is now chief of the Purchasing and Supply Division of the State of Hawaii Department of Accounting and General services, with responsibility for state programs of central purchasing, inventory management and reutilization and disposal of state and federal surplus property. He has been a member of the Purchasing Association of Hawaii since joining the state government in 1966.

WILLIAM J. HAGENLOCHER (E) has taken a position as chief engineer for "WINTERIZER", a subsidiary of R. J. Mason, Inc., Dublin, Ohio. The firm manufactures and markets this control for cold weather operation of air-cooled condensers (refrigeration and air conditioning) in the United States and Canada. Mr. Hagenlocher lives in Columbus, Ohio.

ARCHIE K. GREINER (E), of Ft. Lauderdale, Florida, died on September 1, 1970. He was retired from the Corps. of Engineers, U. S. Army, Pittsburgh.

FRANCIS W. SWEM (A), a Pittsburgh architect, died on January 19, 1971. Mr. Swem was a Navy veteran of World War II. He was a member of the Episcopal Diocesan Architectural Commission.

'33 "The Aquanauts", written and illustrated by Arthur H. Schaffert (A), of Westport, Connecticut, has been published by Coward-McCann, Inc., of New York. The book for primary school children is the latest in that publishing firm's series "Science is What and Why." Mr. Schaffert illustrated *Atoms and Gravity*, in this same series.

RICHARD H. GOTWALT (E), of Englewood, Florida, is retired.

JOHN L. KRONENBERG (PM) has been appointed to the board of directors of the Baldwin-Gegenheimer Corporation, Stamford, Conn. Mr. Kronenberg served for a period of over 30 years with S. D. Warren Co. He still does consulting work for this company. He was given the Soderstrom Award in 1962 by the National Association of Photo-Lithographers, and in 1969 received the A. F. Lewis Memorial Award for the "Graphic Arts Man of the Year."

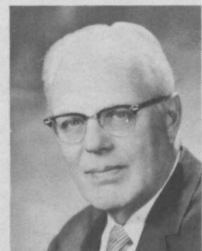
MELVA M. POWELL (M) has retired from the Court of Common Pleas, Family Division, Juvenile, in Allegheny County. She is now living in Sarasota, Florida.

ROBERT C. BAKER (E) is retired and lives in Monroeville, Pa.

'34 PAUL A. FITZSIMMONS (I) has been appointed director of public relations for Jas. H. Matthews & Co. For the past seven years he has served as marketing manager of the company's industrial Marking Products Division.

NELSON W. HARTZ (E), vice president, Mine Safety Appliances Company, Pittsburgh, has been appointed to the finance committee of the Instrument Society of America for 1971. Mr. Hartz is a trustee of the American Society for Safety Research and a member of the American Society of Safety Engineers and the Chamber of Commerce of Pittsburgh.

LEE WISSMILLER (E) has been elected a vice president of Chicago Bridge & Iron Company, worldwide metal plate fabricating and construction firm.



Wissmiller '34

'35 FRED S. DUBIN (E), a partner in the consulting engineering firm of Dubin-Mindell-Bloome Associates, conducted a teach-in devoted to advanced environmental control systems which was held at the School of Architecture at Kansas University in Lawrence, Kansas. Mr. Dubin is an adjunct professor of architecture at Columbia University.

ANTHONY A. FENNELL (E) is president of the Fennell Corporation, Harvey, Illinois. Mrs. Fennell is the former MAXINE OLSON (A'38).

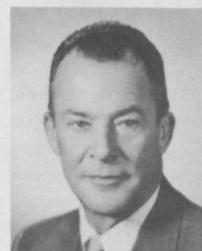
CAROLYN ROWAN BOWMAN (A), of Key West, Florida, had an exhibit of her watercolors in the local East Martello Gallery and Museum in Key West.

'36 GRAHAM E. SIMPSON (E) is managing director of Argon, S.A., subsidiary of U.C.C. in Madrid, Spain.

PETER W. WETZLER (A) is chairman of the department of art at Eastern New Mexico University.

THOMAS F. KENNEDY (E), an electrical engineer with the Federal Aviation Agency, Washington, D.C., died on October 27, 1970. He lived in Baltimore, Md.

'37 THOMAS M. BENNER (E) is postmaster of the U. S. Postal Service, Ford City, Pa. The Benners' son, JOHN T., graduated from Carnegie-Mellon in 1969 in electrical engineering.



Closs '37

WILLIAM J. CLOSS (E) is now president of Turbo-Power and Marine Systems, Inc., a subsidiary of the United Aircraft Corporation, Farmington, Connecticut. Mr. Closs joined Pratt & Whitney Aircraft in 1938. In 1951 he was chief of the company's experimental test laboratories, which includes the Willgoos Turbine Test Laboratory. It was in this capacity that he played an important role in developing the initial concept, and in the subsequent development and testing of the use of a J57 turbojet as the gas generator for free turbine units. This involved the conversion of a liquid fuel-burning J57 jet engine to a natural gas-burning powerplant. In 1960, Pratt & Whitney Aircraft named Mr. Closs manager of its Turbo Power & Marine Department which it established to investigate non-aviation uses for aircraft-type gas turbine engines.

W. G. SHEANE (E) has returned to Ceylon for a third assignment at the request of the Government as Advisor to the Minister of Industries and Scientific Affairs.

MERLE E. BECHTEL (A) is a senior chemical technician for the Davison Chemical Company, Baltimore.

'38 JAMES H. SUTHERLAND (E), former vice president of marketing and sales for Messinger Bearings, Inc., has been appointed general sales manager at SKF Industries, Inc., Philadelphia.

SPENSER BRITAIN, JR. (E) is plant engineer for American Seating Company, Grand Rapids, Michigan.

ERNEST J. HELDMANN (E) is now vice president of development of the Holo-Krome Company, a member company of Veeder Industries Inc., Hartford, Conn. He has also been made a director of Holo-Krome Ltd., Dundee, Scotland.

The Alumni Office has recently learned of the death of Mrs. Charles C. Thomas (HELEN E. HOOK, M) on July 15, 1970. Her home was in Ypsilanti, Mich.

'39 WILLIAM M. GOLDSMITH (A), of Northbrook, Ill., has become a principal in Goldsmith, Yamasaki, Specht and Anderson, a specialized design firm recently formed in Chicago. He has been active in technical-assistance programs to Pakistan and Afghanistan. Mr. Goldsmith is also president of Industrial Designers Society of America.

B. WAYNE BEGLIN (E) is still in the Ford business in Beaver, Pa. He is celebrating his 25th anniversary since opening dealership after World War II.

The *North Hills News-Record*, February 24 issue had an interesting feature story about NICHOLAS LOMAKIN (A). He owns a music store in downtown Pittsburgh. His band played at the preinaugural ball of Governor Milton J. Shapp in Harrisburg, in January.



Taylor '40

'40 JAMES W. TAYLOR (E) has been elected to a three-year term as a director of the Institute of Management Consultants, Inc. Mr. Taylor is president of Booz Allen & Hamilton Inc., a management consulting firm with headquarters in New York.

STEPHEN N. DONAHOE (E) is president of Babcock Electronics Corporation, Costa Mesa, Calif.

'41 JUDYTH M. FRIEDMAN (M) is partner-owner of Tot n Teen Shop in State College, Pa.

BRUNO VEZZANI (E) retired from U. S. Steel after 43 years of service. He is presently chief design engineer with A. E. Anderson Construction Corporation, Buffalo, New York.

Mrs. Ralph E. Rennie (JUNE DONNELLY, L) is chief librarian at the V. A. Hospital in Pittsburgh.

HAROLD F. FARQUHAR (E) is presently director of applied engineering and services at Lais Incorporated, Dayton, Ohio.

CLOYCE R. DANIELS (E) has retired after 40 years with Humble Oil & Refining Co. Mr. Daniels was head of the Pittsburgh laboratory at Humble's specialty plant in Lawrenceville. Mr. Daniels plans to live in Wanchese, N.C.

THOMAS B. SODDY (E), assistant vice president of Stupp Bros. Bridge and Iron Company, St. Louis, Mo., died on February 4, 1971.

CLASS END IN 1 OR 6? PLAN FOR HOMECOMING ON OCT. 15-16, 1971

'42 Dr. ROBERT R. ROTHFUS (E) has been appointed head of the department of chemical engineering at Carnegie Institute of Technology. He joined Carnegie-Mellon as instructor in chemical engineering in 1947.

B. ROY ERTLE (E), chairman of the board of directors of Stimm Associates Inc., Buffalo contractor, has been elected president of the General Building Contractors of New York State. Mr. Ertle is a past president of the Construction Industry Employers Assn. of Buffalo and is an executive committee member of the Building Industry Employers Assn. of New York State.

JAMES C. WISE (E) has been named vice president-engineering for The Sheridan Company, a division of Harris-Intertype Corporation, Easton, Pa.

WALLACE M. BECKSTROM (E) is president of Engineering Sales Company of Pittsburgh.

EDWARD P. LYNCH (E) is a chemical engineer for Mobay, Pittsburgh. Mrs. Lynch is the former (ELIZABETH WEAVER, M'43). Their oldest daughter, Kathleen, was married in August.

CHARLES H. GOOD, JR. (E) is general manager of U.S.S. Consultants of Canada, Ltd, Montreal.

WILL DEAN, JR. (E) has been appointed director of radio frequency management in the Office of Telecommunications Policy, Washington, D.C. Mr. Dean will continue to serve as chairman of the Interdepartment Radio Advisory Committee.

Dr. MAURICE E. SHANK (E) is now manager of materials engineering and research with Pratt & Whitney Aircraft, East Hartford, Conn.



Alumni Association Executive Board

President John W. Ewalt E'36

President Elect Edward E. Smuts E'45

Alumna

Vice President . . . Mrs. David C. Langworthy A'40

Regional Vice Presidents. (I) R. Marshall Brown E'56

(I-A) VACANT

(II) Alexander Haynes E'31

(III) Dr. Howard L. Malakoff E'37

(IV) Richard A. Waichler E'55

(V) V. Donald Rebholz PM'51

(VI) David M. Loop E'52

Ex Officio William J. Moore E'35

Recording Secretary Miss Lynne Norris M'61

Carnegie-Mellon Admissions Council

Representative John E. Laynor E'54

Athletic Council

Representative Andrew F. Komer E'62

Homecoming Chairman C. Berl Groomes E'49

Tour Committee Chairman VACANT

Forum Committee Chairman . . . Richard E. Gray E'56

Student Representative Pat Cavanaugh

Director, Alumni Relations Robert G. McCurdy

Associate Director Wanda Garver

Associate Director Jerry Kleinman

Recorder Mrs. Kathy Varela

'43

THEODORE A. BURTIS, (E), vice president of research and development, Sun Oil Company, Philadelphia, Pa., has been elected 1971 treasurer of the American Institute of Chemical Engineers. He has been active in AIChE since 1947, he was elected Director in 1963, Vice President in 1966, President in 1967, and Treasurer in 1970. He is active in the Delaware Valley Section of the AIChE, and serves on a number of National Committees of the AIChE.

DONALD P. BURNS (E) has been named manager of a new electric utility sales district for Westinghouse Power Systems Company. He will be located in Greensburg, Pa.

H. HAROLD BULKOWSKI (E) is a supervisory engineer for Catalytic, Inc., Philadelphia.

CHRISTIAN F. BAUER, JR. (E) is presently plant industrial engineer for Armstrong Cork, Pittsburgh.

GEORGE P. BROWN, JR. (E) is a research chemist with S. C. Johnson & Son, Inc., Racine, Wisconsin.

Dr. JOSEPH S. BRYNER (E), formerly a metallurgist at Brookhaven National Lab., Upton, N.Y., is now a senior engineer at the Westinghouse Bettis Atomic Power Lab in West Mifflin, Pa.

PAUL J. GUINThER, JR. (E) is regional sales manager of Allied-Kelite Prods. Div., Berkeley Heights, N.J. Mrs. Guinther is the former PEGGY CURTIS (M).



Castner '44



Galbraith '44



Dobson '44

'44

RUTH SALISBURY (L) is rare book librarian at Syracuse University. She is chairman of the Work Manual Subcommittee of the A.C.R.L., R.B.S.

RICHARD T. CASTNER (E), manager of industrial Engineering for Building and Industry Products Operations, Armstrong Cork Company, is now manager of Industrial Engineering and Quality Control for those operations. The Central Industrial Engineering and Central Quality Control organizations have merged into a single staff.

DOUGLAS R. DOBSON (E), general manager of the Electronic Components Division of the Stackpole Carbon Company, St. Marys, Pa., has been elected one of the firm's vice presidents. The Dobsons live in Ridgway, Pa.

The Alumni Office has learned of the death of HARVEY H. HAINES (A) on December 21, 1970. His home was in Lakeland, Florida.

ROBERT E. GALBRAITH (E), manager, natural gas division, in Continental Oil Company's natural gas and gas products department, Houston, has been honored for distinguished service to the gas processing industry and to the Natural Gas Processors Association. He was presented a special award at the Association's annual meeting in Houston for his service as chairman of the technical committee and for his contributions to industry technology through other committee activities.

'45

WILLIAM L. WARDLE, JR. (E) is president of Crump Inc., Pittsburgh.

'46

WILLIAM P. AIELLO (E) is a staff member at the Los Alamos Science Lab., Los Alamos, New Mexico.

KARL E. DILLON (E) is presently senior environmental control engineer for Barnes & Tucker Company, Barnesboro, Pa.

'47

ED TENNYSON (E) has been appointed a member of the three-man Expert Review Panel to advise the Niagara Frontier Transportation Authority on their federally aided technical study for a unified and improved transit system for the Buffalo-Niagara Falls Area. Mr. Tennyson continues to serve as Deputy Commissioner of Transit for Philadelphia and Chairman of the Transit Advisory Committee of the Delaware Valley Regional Planning Commission.

R. EDWIN WILSON (E) has been named resident engineer at Saint Joseph Hospital, Joliet, Ill., He was formerly with Boeing Company in Seattle, Washington.

CHARLES L. EHRLICH (E) has been appointed manager of power engineering for Heinz U.S.A., a division of the H. J. Heinz Company, Pittsburgh.

DAVID H. TESSMER (E) has been appointed general manager of Dravo Corporation's Fabricated Products Division, Pittsburgh. Previously general manager of the company's Ohio Gravel Division, Cincinnati, Mr. Tessmer has been with Dravo since 1940.

RAPHAEL A. SIMON (E), of Process Research Center at Corning Glass Works, is chairman of the Corning Red Cross Blood Program. Last July he was named vice chairman of the Rochester Regional Blood Program. The regional committee is composed of 19 chapter representatives from a 14-county area. Mr. and Mrs. Simon (JANET MARIE PORTMANN, M'50) and their six children live in Bridgeport, Conn.

ROBERT J. BECK (E) is chief engineer with Beck & Associates, Charlotte, N.C.

Col. LAWRENCE S. ALBRECHT (M) is associate director of Lankenau Hospital in Philadelphia.

JOHN J. SHERMAN (E) has been appointed manager of the south central industrial sales zone of Westinghouse Electric Corporation, Pittsburgh. M. Sherman previously was marketing manager of the low voltage circuit breaker division in Beaver, Pa.

The Alumni Office recently learned of the death of WILLIAM JAMES MILLER (E) on March 23, 1970. Mr. Miller was an electrical engineer with General Electric in Erie, Pa.



Tessmer '47



Rodger '48



Schnubel '48

'48

ROY E. RODGER (E), manager of systems engineering in Armstrong Cork Company's central engineering department, has been named to the position of manager of energy procurement in the company's central purchasing department, Lancaster, Pa.

MARGARET WILL STANFORD (M) is doing publicity and advertising for *Venture Out*, Knoxville, Tennessee.

BERNARD W. BACE (E), of Park Forest, Ill., has been appointed to the American Society of Mechanical Engineers boiler and pressure vessel committee. He is chief engineer—construction of American Oil Company's planning and engineering department at Whiting, Ind.

DAVID E. MUSGRAVE (E) has joined W. M. Zemp and Associates, St. Petersburg, Florida, advertising firm, as an account executive.

Dr. JOSEPH J. MARTIN (E), professor of chemical engineering and associate director of the Institute of Science and Technology at the University of Michigan, has been elected 1971 President of the American Institute of Chemical Engineers.

ROBERT A. SCHNUBEL (E), of Windsor, Conn., has been named vice president of the newly-organized automotive division of Van Norman Machine Company, a Gulf and Western Precision Engineering Company, Springfield, Mass. The Schnubels have four children.

JOHN M. MCGUIGAN (E) has been appointed chief mechanical officer of Penn Central Transportation Company.

Mrs. Arthur H. Bauman (JOANNE LAUVER, A) is art supervisor in the Ligonier-Valley School District, Pa.

ROBERT M. HILL (E) is presently a metallurgist for Republic Steel Corporation, Houston.

JOHN G. WHITEHEAD (E), West Penn Power Lincoln division engineering supervisor, has been named supervisor of distribution engineering on the utility's general office staff at Greensburg, Pa.



Numerof '48

Dr. PAUL N. NUMEROF (E) has been named director of the newly established Hospital Division of the U. S. Pharmaceutical Company of E. R. Squibb & Sons, Inc. He joined Squibb in 1948 and was most recently director of the Division of Nuclear Medicine. The Numerofs and their two children live in Edison, New Jersey.

ELMER B. KAELEN (E) has been named director of data processing services for Allegheny Power Service Corporation, Greensburg, Pa.

'49 BERNARD B. PERLMAN (A) served as member of the jury selection for the University of Delaware's 10th Regional Art Exhibition in January. Mr. Perlman is professor and chairman of the department of art at the Community College of Baltimore.

ROBERT A. BOYER (E) is a project engineer with Robertshaw Controls Company, Youngwood, Pa.

WILLIAM F. BLAKE (E) is treasurer of J&J Enterprises Inc., Indiana, Pa. The Blakes have four children.

MICHAEL A. CROSSEY (E) is presently mechanical superintendent of Blaw Knox Chemicals, Ontario, Canada.

LOUIS F. VALENTOUR (A) of Kuhn, Newcomer and Valentour, architects in Pittsburgh, has been elected president of the Pennsylvania Society of Architects of the American Institute of Architects. Mr. Valentour is a director of the Pittsburgh Chapter of the American Institute of Architects and a past president.

JAMES COLKER (A) is president of Goerz Optical Company and Inland Controls Company, Pittsburgh. Mrs. Colker is the former JANICE SEINER (A'51).

WILLIAM L. CARSTENSEN, Jr. (E) is president of Carstensen Inc., Johnstown, Pa.

JOHN K. FOCKLER (E) of Bay Village, Ohio, is now executive vice president of Bell National, Inc., and president of a new subsidiary to be called Bell Consultants. The new subsidiary, Bell Consultants, will package multi-family housing projects and arrange syndication of projects and offer consulting assistance to multi-family management. Mr. Fockler will coordinate all Bell subsidiaries.

'50 LEONARD W. POKALLUS (E) has been elected president of a new company, Corchem, Inc., which will have a plant in Pascagoula, Alabama, to manufacture and sell magnesia. Corchem will operate as a subsidiary of Corhart Refractories Co., Louisville, Ky. Mr. Pokallus has been with Corhart since 1959.

MILLER B. SPANGLER (E) is the author of a book recently published by Praeger Publishers of New York on *New Technology and Marine Resource Development: A Study Government-Business Cooperation*. Mr. Spangler is presently director of the Center for Techno-Economic Studies of the National Planning Association in Washington, D. C.

R. CHARLES MCCOY (A) has been appointed executive director of the Washington-Greene County Branch of the Pennsylvania Association for the Blind.

RICHARD E. KNAPP (A) has been named president and managing officer of Friendship Federal Savings & Loan Association, Butler, Pa.

ROBERT A. WALSH (E) has been appointed manager of quality control for Youngstown Sheet & Tube Company. Mr. Walsh joined the company in 1961.

CALVIN L. BEAL (E) is presently safety engineer at the Argonne National Lab., Argonne, Illinois.

H. T. ECKHARDT (PM), director of merchandising for Harris-Intertype Corporation, Cleveland, was elected president of the Graphic Arts Advertising Council.

EVELYN THOMAS HELMICK (M) had an abridgement of a paper on *"The Anatomy of the Unicorn"* which appeared in the Winter 1970 issue of *Inquiry*. Dr. Helmick teaches at the University of Miami.



Griffith '50

RAYMOND S. GRIFFITH (A) was elected potentate of Araba Temple, Fort Myers, Florida, for the year 1971. At present he is a partner of the architectural firm of Griffith & Taylor AIA Architects located in Charlotte Harbor, Florida.

VINCENT W. DONATO (E) is a staff engineer with Martin-Marietta, Denver, Colorado.

DAVID F. WILSON (A) is an associate professor at Dalhousie University, Halifax, Nova Scotia. Mrs. Wilson is the former Elneta MacAlister (A'52).

E. M. GRIFFIN (E) is general manager of the fossil power generation department of Babcock & Wilcox Company, Barberton, Ohio. The company has consolidated its regional manufacturing facilities in Brunswick, Ga.; Paris, Texas; and West Point, Miss.

JOHN F. BIEWENER (E) has been appointed Director, Finance and Administrative Services, at RCA's David Sarnoff Research Center. He has been with RCA since 1950.



Griffin '50



Biewener '50



Lerme '51

'51 JOSEPH A. LERME (E) has been appointed corporate director of purchases for the Celanese Corporation, New York, N.Y. He had been manager-chemical and raw materials purchases.

JAMES R. CRAIN (E) has been appointed technical manager for the metal finishing department, Specialty Chemical Division of Stauffer Chemical Company, New York, N.Y.

KENWOOD L. FAIR (E), personnel manager for research and development at Alcoa Research Laboratories in New Kensington, Pa., has transferred to Alcoa's Corporate Industrial Relations staff in Pittsburgh.

CALVIN E. SIFFERT (PM) is general manager of Taylor Publ. Co., El Paso, Texas.

RUSSELL JOHNSON (A), owner of Russell Johnson Associates, New York City, has organized a group to provide theatre planning consulting services in electroacoustics, engineering and general consulting services in all phases of architectural acoustics.

MARY F. HAYMES (L) is chief librarian at the National Center for Atmospheric Research, Boulder, Colorado.

Dr. EDGAR A. SACK (E) has been appointed vice president and general manager of General Instrument Corporation's semiconductor plant in Hicksville, N.Y. Dr. Sack will be responsible for all plant operations.



Sack '51



Kerr '52

'52 CHARLES E. N. HOLDEN (E) has been appointed plant manager at the Toledo plant of the Container Division of Jones and Laughlin Steel Corporation.

ALBERT I. MOON, Jr. (E) is vice president of administration and general counsel of O.N.C. Motor Freight System, Palo Alto, Calif.

RICHARD FLEISCHMAN (A), of Richard Fleischman & Associates, architects, is the new president of the Cleveland Chapter of the American Institute of Architects.

EDWIN T. KERR (E) has been appointed general manager of Dravo Corporation's Ohio Gravel Division, producer and marketer of sand, gravel and other aggregates in the Cincinnati area.



Baker '52

ROY H. DJURVIK (E) has been named assistant manager at the Bristol, Pa., plant of Rohm and Haas Company. He joined Rohm and Haas in 1957.

CHARLES H. SAYRE (E) is a kitchen designer for Sears Roebuck & Company, Erie, Pa.

PHILLIP M. BEIGEL (A) is a consultant to IBM in New York City.

CHARLES B. HERMAN (E) is presently planning coordinator for Union Carbide, New York City.

Dr. ROBERT E. KIRBY (E) is an associate professor in the department of chemistry at Queens College, Flushing, New York.

MORTON H. BAKER (E) has been elected president of Bruce Plastics Inc., Moon Run, Pittsburgh, Pa. He served the firm as sales manager prior to assuming the presidency.

'53 CARROLL M. GANTZ (A) has been elected as one of nine National Directors of the Industrial Designers Society of America. He has also been elected chairman of the Ohio Valley Chapter, which includes Ohio, Kentucky, West Virginia and Western Pennsylvania. Mr. Gantz is head of the industrial design department of The Hoover Company, North Canton, Ohio. Mr. Gantz has recently designed and supervised construction of St. Helena II, the nation's first authentic mule-drawn canal boat, operated by the Stark County Ohio Historical Society on the Ohio-Erie Canal, in Canal Fulton, Ohio.

Mrs. John A. Cox (MARTHA BALDWIN, L) is librarian at the Park Forest Junior High School, State College, Pa.

NORMA TRUST SHERMAN (A) is director of The Galleries at Lenards, Chestnut Hill, Mass. The opening reception was held in March.

ANN ROTH (A) is costume designer for Warner Brothers film "Klute."

CALVIN F. SCHLESSMAN (E) is presently plant superintendent with Union Camp Corporation, Lancaster, Pa.

DAVID L. HAAS (E) is a real estate agent with Schick, Siemon & Kydd, Clinton, N. J.

EDWIN J. WAGNER (E) is an engineer with Westinghouse Electric Corp., Columbus, Ohio.

'54 The January 25, 1971 issue of the *Pittsburgh Press* had a feature story about JOE NEGRI (A). Mr. Negri directs Channel 4's "Talent Scene."

He does guest spots on Channel 13's "Misterogers Neighborhood" and is teaching guitar at the University of Pittsburgh.

GEORGE P. SEITANAKIS (E) is sales manager for Arnold Engineering Company, Marengo, Illinois.

ANTHONY F. MISCIMARRA (E) is presently superintendent of the Division of Design and Construction of the Water Department, Pittsburgh.

IRAIDA BADILLO-VEGA RICKLING (L) is technical information specialist at the KSC Library, Kennedy Space Center, Florida.

J. WAYNE PORTER (E) received his Ph.D. degree in electrical engineering from Pennsylvania State University in December 1970.

Dr. DEAN E. BLUMAN (E) is presently an associate professor at Western Michigan University, Kalamazoo.

JEROME A. SEINER (E) has been named manager of research and development, resin products, at the Springdale, Pa., R&D Center for the Coatings and Resins Division of PPG.

FRANK D. LUCENTE (E), of Pittsburgh, died March 1971, in Innsbruck, Austria, of injuries suffered in a traffic accident there. He was on assignment from Westinghouse's Astronuclear Laboratory in Large, Pa., at the time of the accident.

'55 GEORGE J. KIRK, Jr. (E) is product line manager for Westinghouse Electric in Orlando, Florida.

WALTER B. DETWEILER, Jr. (A) is a principal with Meyers, Detweiler & Associates, Honolulu, Hawaii.

Dr. JOHN N. CERNICA (E), professor of civil engineering and chairman of the department in the William Rayen School of Engineering at Youngstown State University, will have his latest textbook, "Statics and Strength of Materials," published late this year by Holt, Rinehart & Winston Publishing Co.

**CLASS END IN 1 OR 6?
PLAN FOR HOMECOMING
ON OCT. 15-16, 1971**

'56 Dr. EDWARD T. KIRKPATRICK (E) has been appointed president of Wentworth Institute, Boston, effective July 1, 1971. Dr. Kirkpatrick has been Dean of the College of Engineering at Rochester Institute of Technology since 1964. Dr. Kirkpatrick was president of the Rochester Engineering Society in 1968-69 and the Monroe County Professional Engineers Society in 1969-70.

RADE VIGNOVIC (E) has been elected to the Board of Directors of the Duluth (Minn.) Industrial Bureau. Mr. Vignovic is marketing manager of the Duluth, Missabe & Iron Range Railway Company.

Mrs. John B. Dover (JANET BUVINGER, M) has been appointed youth director of the Clearfield (Pa.) YMCA.

Mrs. Thomas I. Feagans, Jr. (JERI JACKSON, M) is now acting director of National Educational Television Division of the Educational Broadcasting Corporation Television Film Training School. This workshop is devoted to the training of peoples from minority backgrounds in all aspects of television film-making.

ALBERT J. SMITH (PM) is manager of the prepress division of Graphic Arts Technical Foundation, Pittsburgh.

FRANK E. PAVUK (E) is presently plant manager of Borden Inc., N. Andover, Mass.

ARNOLD S. WASSERMAN (A), an industrial designer in Santa Barbara, Calif., is finishing a book on environmental design done under a Ford Foundation grant. He is working on projects for private industry, schools and government clients in the United States and Europe.

Major JOHN M. DAUGHERTY, Jr. (E) has completed 1 and 1/2 years as deputy district engineer, Rock Island District, U. S. Army Corps of Engineers. He is now attending Command and General Staff College.

MICHAEL G. FEDOR (E) is a partner in Air Con Eqpt. Inc., Annapolis, Md.

'57 JON S. SAXE (E), associate patent counsel and divisional counsel for Hoffman-La Roche Inc., has been elected assistant secretary of the company. Mr. Saxe serves as counsel to the ROCOMtm Division, the Corporate Planning Department, the HLR Service Corporation and the Roche Institute of Molecular Biology. Mr. and Mrs. Saxe (JULIE WEHOUSIE, M) and their two children are living in Upper Montclair, N.J.

F. A. VOTAVA (IA) has been appointed product manager of the Petrochemicals Division of Cities Service Company in New York City.

MARLENE PETERNEL PARRISH (M) has coauthored the book "I'd Rather Play Tennis Than Cook." It is a humorous collection of menus and recipes. Dr. and Mrs. Parrish and their three sons live in Pittsburgh.

RONALD P. ANJARD (E) is chairman of the technical paper selection committee for the ISHM Journal—a microelectronics professional magazine. He also has served as Heart Fund chairman for Clay Township.

JOHN V. CASSIE (E) has been promoted to senior engineer in the Boulder laboratory of IBM's Systems Development Division. The Cassies and their son, John, live in Longmont, Colorado.

DONALD W. ROACH (A) received his D.Ed. degree in music education from Pennsylvania State University in December 1970.

KANE T. MATSUDKA (E) is electronics division manager for Technical World, Inc., Sunnyvale, Calif.

R. STANTON OVER (E) has been elected president of Gwin Engineers, Inc. Mr. Over is presently Blair County chairman of the Appalachian Thruway Association, secretary of the Appalachian Thruway Economic Development Council, Inc. past president and state director Blair County Chapter, PSPE: chairman of nominating and chapter activities committees of the Pennsylvania Society of Professional Engineers, chairman of highway development committee of Altoona Area Chamber of Commerce, and chairman of highway and transportation committee of DARE.

RICHARD O. FRANKLIN (E) has been promoted to general foreman—electronics and process control in the power and fuel department at U. S. Steel's Homestead Works.

Dr. LEONARD E. JARRARD (E) has been appointed chairman of the psychology department at Washington and Lee University in Lexington, Va. He will assume the position in September.

RICK HORTON (A) is a partner in Van Dine Horton, Inc., a new writing and design firm in Pittsburgh. He is also teaching a class in visual communications at the Ivy School of Professional Art.

L. E. BROWN, Jr. (A) is an architect with Marriott Corporation, Bethesda, Maryland. Mrs. Brown (EVANGELINE HADJIS, M'55) is a dietician for the Maryland State Board of Education.

BURTON H. POLISHOOK (IA) is senior product administrator with IBM in White Plains, N. Y.

D. JANE BOTHAM (L) is a children's services consultant in Public Libraries State Education Department Division of Library Development, Albany, N.Y.

W. BENTON JONES, Jr. (IM) is a consultant for Technology Management Inc., Cambridge, Mass.

JOHN A. EKISS (E) is presently product operations manager in Motorola Semiconductor Products Division, Phoenix, Arizona.

Dr. DAVID E. BALDWIN, Jr. (E) is a research group leader for Continental Oil Company, Ponca City, Okla.

RONALD P. ANJARD (E) is the Indiana 5th Congressional District Director for the Indiana Township Trustees Association. He is responsible for coordinating legislative and local action. The International Society for Hybrid Microelectronics has selected Mr. Anjard as public relations director for the International Symposium to be held in October 1971. He is also coordinating the ISHM sects of Midwest Electronic Materials Symposium to be held at Notre Dame in June. He is serving as vice chairman for the Indiana Chapter of ISHM.

THOMAS J. HARDER (E) is an industrial engineer at Stanford University Hospital, Stanford, California.

WILLIAM R. LUDWIG (E) has been appointed manager of planning services at Lord Corporation, Erie, Pa.

'58 PAUL C. CHILLEO (A) has been appointed manager of architectural and structural engineering for Heinz U.S.A., a division of the H. J. Heinz Company. He joined Heinz in 1966. The Chilleos and their four children live in Carnegie, Pa.

WILLIAM A. KEYSER, Jr. (E) had a one-man show of furniture and sculpture at Shop One, Rochester, New York, this winter. Mr. Keyser, associate professor of furniture design at the School for American Craftsmen, Rochester Institute of Technology, was on a sabbatical leave last year to work on experimental environmental furniture.

LAWRENCE J. WHERTHEY (E) has been appointed manufacturing engineering supervisor at the Youngstown Lamp Plant of the General Electric Company. Mr. Wherthey has been with the large lamp department of GE for 10 years. Mr. and Mrs. Wherthey and their four children are living in Boardman, Ohio.

CARL F. SCHLENKE (E) has been appointed division manager of West Penn Power Company's Keystone operating division. The Keystone division includes all or parts of Cameron, Clinton, Elk, McKean and Potter Counties.

JOHN R. INGRAM, Jr. (E) has been appointed manager of mechanical/electrical engineering for Heinz U.S.A., a division of the H. J. Heinz Company. Mr. Ingram began his career with Heinz in 1960. Mr. and Mrs. Ingram and their two daughters live in Glenshaw, Pa.

NEIL E. MOTZER (A) is a psychiatric social worker at the Malcolm X Mental Health Center in Chicago, Ill.

ROBERT E. KLEIN (A) was judge of the 10th Annual Associated Artists Show held at Hoyt Institute of Fine Arts, New Castle, Pa., Mr. Klein had a one-man show at Shoestring Gallery in Youngstown in December 1970 and at Gallery G. Limited in Baltimore in November. He also had a show at Thiel College in March.

Mrs. D. M. Bruce (ELIZABETH CLEMENTSON, A) is now living in England. She two daughters, Rose and Laura.

HOWARD H. HUPE (E) has been appointed an NDEA Fellow to study international business at the University of Oregon.



Gross '58

PAUL J. CORDON (E) transferred from the Youngstown Works to the Lorain Works of U. S. Steel as product metallurgist.

ESTON M. GROSS (IA) has been appointed director of planning and control for Armour Industrial Chemical Company, Chicago. Armour Chemical is one of seven operating companies which make up Akzona Inc. Mr. Gross will be Armour Chemical's chief financial officer and will have functional responsibility for management information activities of operating units in the United States, Canada, Great Britain, and Italy. He will also supervise planning, budgeting, and business analysis.

JOHN TERSHEL (E) has been appointed sales manager of the Charlotte, N.C. district office of Elwin G. Smith and Company.

HAROLD C. BOLTON (IA) has been named president of Art Metal U. S. Corporation, a subsidiary of Tomar Industries, Inc., Rochester, N. Y.

'59 JAMES H. SWISHER (E), formerly of Bell Telephone Laboratories, Murray Hill, New Jersey, has been transferred to Sandia Laboratories as supervisor of Metallurgy Division II, Livermore, California. He was the recipient of the Rossiter W. Raymond Award from the American Institute of Mining, Metallurgical and Petroleum Engineers in 1969, and again in 1970. This award is given annually for the best paper published in an AIME journal by a young author.

LEONARD M. COZZA (E) is a computer architect in the RCA Computer Systems Division, Marlboro, Massachusetts.

CHARLES R. SNELL, Jr. (A) is owner of Oriental Galleries in Owings Mills, Maryland. The Snells have two children, Jeff and Lisa.

STANLEY R. HARRIS (PM) is presently secretary-treasurer of Country Wide Publications, Inc., New York City.

WADE L. BIGGS, Jr. (E) is a programmer for Martin Marietta Corporation, Littleton, Colorado.

GLENN A. ZOCKOLL (A), Carlisle Elementary School band director, has been chosen director of the Carlisle (Pa.) Town Band. Last year Mr. Zockoll worked with retarded children for the Collegeville School District, Montgomery County. He also founded and directed the Hempfield Community Orchestra and the Collegeville Community Pops Band.

DAVID J. KRATOVILS (E) has been appointed Los Angeles District Office Manager for the Distribution & Controls Group of ITE Imperial Corporation. The Kratovils (SALLY DAY, M'58) and their three children are now residing in Arcadia, California.

EDWARD Y. KUNG (E) has been elected assistant vice president of the Insurance Company of North America. Mr. Kung joined INA in 1968.

RONALD J. ADLER (E) is an associate professor of physics at American University, Washington, D.C.



Miles '60

'60 JOHN L. GIRT (A) is serving as an assistant professor of music at Montclair State College.

MILTON C. MILES (PM) has been named marketing services manager of Stouffer Foods Division of Litton Industries at Solon, Ohio. In his new position, he will supervise public affairs, market research, packaging, and development and marketing of new product lines.

ANDREW L. BLASKOVICH (E) has been appointed chief metallurgist for the Mackintosh-Hemphill Division of the E. W. Bliss Co. in Midland, Pa.

Dr. RICHARD B. AUST (E) is presently research associate with Eastman Kodak Company, Rochester, New York.

DAVID R. BAMBERGER (E) is now with the Upjohn Company in the information systems department. Mr. and Mrs. Bamberger (NANCY FERREE, M'62) are living in Kalamazoo, Mich.

NANCY ARNOLD KIDDER (M) is a research assistant at the University of Pittsburgh Medical School.

HUGH J. MCCLINTOCK (E) is owner of United Rent All, Dallas, Texas.

R. WALTER RAUCH (PM) is presently a security investigator for General Telephone of Ohio, Marion, Ohio.

Dr. LEE M. ADELSBERG (E) is a senior research metallurgist for Corning Glass Works, Corning, N.Y.

JAMES R. DAVIS (IM) has been elected Metropolitan New York Regional Vice President of the Institute of Management Consultants. He is a director of Drake Sheahan/Stewart Dougall Inc., management consulting firm of New York.

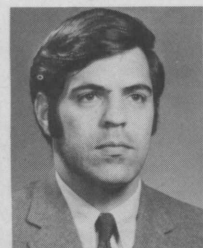
CLIFFORD E. ROWDEN (E) has been named assistant chief metallurgist-special at Republic Steel Corporation's Cleveland District steel operations. The Rowdens and their three daughters live in Bay Village, Ohio.

DAVID L. POWERS (E) is presently teaching mathematics at Clarkson Tech. In July he will go to Chile under a Fullbright Scholarship. He had taught in Chile three years ago.

DAVID M. DOUDS (E) is branch chief of the National Security Agency at Fort G. G. Meade, Md.

Dr. NOEL J. FARRIER (E) is presently an assistant professor of chemistry at the University of Cincinnati. He received his Ph.D. degree in inorganic chemistry from Ohio State University in 1969.

Dr. RICHARD T. BEEN (E), research associate at the Arkansas Rehabilitation Research and Training Center, Hot Springs, Arkansas, died January 9, 1971.



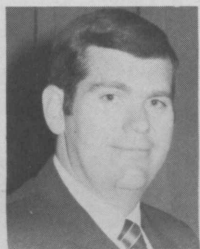
Malesky '61



Rowden '60



Shaughnessy '61



Blanchfield '61

'61 LANN A. MALESKY (E) has been commissioned a Foreign Service Officer of the U.S. The Foreign Service of the U. S. is a career professional corps of men and women who are selected and trained to carry out our country's foreign policy. Mr. Malesky was employed as a city planner by the Charlotte-Mecklenburg Planning Commission from 1965 to 1971. Earlier he had been a Peace Corps volunteer.

Mrs. Alan Hodel (MARY LOUISE MIDDLETON, E) has published six articles and a poem. The most recent of which was an article for *Chemical Engineering* magazine published in February 1971. A seventh article on mathematical operators will be published later this year in *The Instructor* magazine. The Hodels have three children. ALAN HODEL (E'58) is a project engineer with Swift Chemical Company.

WILLIAM L. SHAUGHNESSY (PM) has been named to the newly created position of district manager—commercial sales for Great Northern Paper Company. He will be responsible for the sales and marketing activities of the northern district of the company's eastern commercial sales region. The Shaughnessys and their three children live in Fairfield, Conn.

JAMES R. BLANCHFIELD JR. (E) received two highly coveted awards in recognition of his work as a mechanical engineer at the U. S. Army Mobility Equipment Research and Development Center, Fort Belvoir. He received an "Outstanding" performance rating and a \$300 "Sustained Superior" performance award for his engineering work on materials handling equipment.

THOMAS D. GILLESPIE (E) received his Ph.D. degree in mechanical engineering from Pennsylvania State University.

JOHN F. OYLER (E) is chief engineer, material handling and equipment, Material Handling and Equipment Engineering Department of Dravo Corporation, Pittsburgh.

JESSE E. MASON (E), Consolidated Gas Supply Corp., Clarksburg, W. Va., has been selected as a member of the ASME Petroleum Division's General Transportation Subcommittee of the Transportation Committee.

IRVING L. BROUDY (E) is an associate program director for Educational Testing Service, Princeton, New Jersey.

Dr. MICHAEL C. ZERNER (E) is a professor in the department of chemistry, University of Guelph, Ontario, Canada.

JOEL G. LIEBERMAN (E) is a major in the U.S. Army. Mrs. Lieberman (PATRICIA SANDS, M'62) received her B. of Ed. degree from the University of Hawaii in 1969.

JAMES S. AKERS (A) is an architect with Fullerton-Labarthe, Pittsburgh. Mrs. Akers is the former MARY KNEELAND (M'60).

GEORGE A. SUMMERHILL, JR. (IA) is now director of product planning for Monarch Marking Systems, Dayton, Ohio. The Summerhills are living in a new home in Centerville, Ohio.

Dr. THOMAS H. HOGSHEAD, JR. (E) is a resident engineer with DuPont Company, Wilmington, Del.

GEORGE T. OLSON (E) is health planning director at the New Mexico State Planning Office, Santa Fe, N. M.

'62 TERRENCE N. CONWAY (IA) has joined the A. W. Perdue & Son, Inc., organization as treasurer and member of the operating committee. The Conways and their four sons have moved to Salisbury, Maryland.

Dr. STEPHEN ROTHENBERG (E) has joined the Information Systems Design staff as manager, technical services. Dr. BARBARA BROSS ROTHENBERG (M) continues to work as a psychologist at the Children's Health Council in Palo Alto. The Rothenbergs have a son, Bret.

MATT SIMON (IA) was one of three Glen Ellyn Junior Chamber of Commerce members who went to Paris with letters to try to negotiate with the North Vietnamese on behalf of American Prisoners of War. Mr. Simon is presently vice president and general manager of World Book Educational Insurance Company.

WILLIAM L. RUSSELL (E) has been named assistant to the senior vice president of marketing at Eastern Airlines, New York City. He is presently, in addition to his position at Eastern, a lecturer in business management at the State University of New York. Mr. and Mrs. Russell and their two daughters live in New York City, N.Y.

Dr. GEORGE M. LOGAN (E) is an assistant professor of English at Queen's University, Kingston, Ontario.

Dr. DAVID F. SHANNO (E) is presently an associate professor in the School of Business, University of Toronto, Ontario.

Dr. GEORGE W. SEMAN (E) is a senior research engineer with General Cable Company, Bayonne, New Jersey.

EUGENE BROTSKY (E) is presently a food technologist for Merck & Co., Rahway, N.J.

MICHAEL L. AMES (PM) is employed in sales by Dixon Paper Company, Salt Lake City. Mrs. Ames is the former CAROLE SEIFERT (M'58).

JAMES B. CLAPP (IA) recently moved to Tulsa, Okla., where he is employed by Skelly Oil Company.

GEORGE C. RICHARDS (E) has been named an assistant management science officer in the Computer Research and Development Department of Bankers Trust Company, New York City.

CARL A. ANDERSON, JR. (E) has been appointed sales manager for Rust Furnace Company, Pittsburgh.

JAMES R. HOUCK (E), assistant professor of astronomy and supervisor of Fuertes Observatory at Cornell University, received a fellowship from the Alfred P. Sloan Foundation.

'63 ANTHONY A. ACHKIO (IM) has been appointed production manager of the architectural metals department of PPG Industries, Inc., Kokomo, Ind.

Dr. JAMES C. CORMAN (E) is a research engineer for General Electric. Dr. and Mrs. Corman (MARY MARONEY, M'66) are living in Scotia, New York. Mrs. Corman is a math instructor at Union College.

PATRICK A. CROWLEY (E) is a physicist at the Army Foreign Science and Technology Center, Charlottesville, Virginia. The Crowleys (DOROTHY GANTOS, A) have a son Patrick.

RODNEY T. KOZA (E) is a special project engineer for Penn Central, New York City.

THEODORE O. JOHNSON (IA) of McKeesport, Pa., has been named assistant director of operations research in the Mellon National Bank & Trust Company economics office.

ANDREW J. MCGILL (E) is a customer systems representative in the Information Network Division of Computer Sciences Corporation in the Washington District office.

JAMES E. MARTIN (E) is a senior engineer with American Airlines, Tulsa, Okla.

1st Lt. NELS A. BROSTE (E) is an engineering analyst for the General Research Corporation.

Mr. and Mrs. RUDOLF M. MOLCK-UDE (E) have moved to Holland where Mr. Molck-Ude has accepted the position as marketing manager of Longyear (Nederland) N.V. Mrs. Molck-Ude (SUSAN BROADHEAD, M'64) is a doctoral candidate at City University of New York in English literature.

JOHN S. BALLAS, JR. (E) is presently senior electronics Engineer with American Science and Engineering, Cambridge, Mass.

Dr. JOSEPH S. BARRERA (E) is supervisor of microwave device development at the Hewlett-Packard Lab., Palo Alto, California. The Barreras (BARBARA JANE ZIMNEWICZ, M'64) and their children, Joey and Danielle, are living in Los Altos.

'64 JAMES L. NUCKOLLS (A) has formed a new and independent operation—J. Nuckolls Design Consulting, in New York City. He is a member of the faculty of the department of environmental design, Parsons Schools, New School of Social Research in New York.

Dr. HON CHUNG KO (E) is a research associate at the University of Pittsburgh.

WALTER FUCHS (E) is presently a research physicist at the U. S. Bureau of Mines, Pittsburgh.

KENNETH E. FRANKEL (A) is assistant manager and publicity director for the Honolulu Symphony. He is writing for the Honolulu *Star-Bulletin* on Japanese Entertainment and the Asian Scene. He played the lead in "Sukeroku" kabaki.

Dr. PETER B. SHAW (E) is an associate professor of physics at Pennsylvania State University.

Dr. M. CRAIG PINSKER (E) has finished his active duty with the Army and is now a post doctoral fellow with Dr. B. Mintz at the Institute for Cancer Research, Philadelphia.

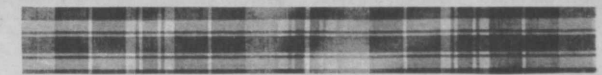
JASON N. BISHOP (E) is a senior scientist with American Science and Engineering, Cambridge, Mass.

WILLIAM VAN MASTRIGT (A) is editor of the Westinghouse Printing Division, Trafford, Pa.

JOSEPH E. DINUCCI (E) has been promoted to district sales manager and transferred to Cleveland with GPE Controls Inc. The Dinuccis have two sons.

NICHOLAS J. AMDUR (E) received his M.B.A. degree from Boston University in 1968. He helped establish and is now serving as president of Boston University M.B.A. Alumni Association. Mr. Amdur is manager of operations planning and control of the Foxboro Company. Mrs. Amdur (MARGARET SAUER, M'65) received her M.S.S.S. degree from Boston University in social work in 1967. She is employed as a social worker by Family Counselling Service, Region West, Wayland, Mass. The Amdurs live in Lexington, Mass.

'65 SUSAN MIDDLEMAN (A) and GAIL SINGER (A) had an exhibition of oils, wall hangings, lithographs, and etchings at the Showcase Gallery of the Washington Theater Club this winter. Miss Middleman is currently teaching art in the D. C. Public Schools. Miss Singer is presently working for the Washington Theater Club as costume designer.



Deaths

I'10	John P. Kegel
E'11	James W. Dougherty
I'12	Charles A. Fisher
A'12	Philip S. Mewhinney
E'12	Karl T. Stearns
I'12	Robert L. Troescher
I'13	Raymond F. Crom
A'13	Richard R. Rose
E'14	L. C. Fogg
I'18	Carl M. Kaun
E'18	Edgar F. Obert
A'19	Rhea E. Beck
M'19	Mrs. James J. Dyer (Monica Collins)
I'20	Howard E. Melaney
A'20	Mrs. Mary Ricards Romano
E'21	William A. Esler
L'21	Mrs. Percy McVetty (Clara Seager)
E'23	Arthur S. Marthens
I'24	Rev. John R. Breckenridge
E'24	Ralph H. Humbert
A'24	K. Elmo Lowe
E'24	John C. Meikle
E'24	Harold H. Wilson
M'25	Mrs. Oswald T. Austen (Elsie M. Blackburn)
E'27	Melvin E. Toussaint
E'28	Norman W. Sellors
PM'28	Harry C. Thompson
E'29	Russel B. Wilkes
A'30	Mrs. James W. Cannon (Mary Beck)
E'31	Richard H. Anderson
E'31	James H. Snyder
I'31	Winchester M. Andrews
PM'31	Allan F. Crawford
E'32	Archie K. Greiner
A'32	Francis W. Swem
E'36	Thomas F. Kennedy
M'38	Mrs. Charles C. Thomas (Helen E. Hook)
E'41	Thomas B. Soddy
A'44	Harvey H. Haines
E'47	William James Miller
E'54	Frank D. Lucente
E'60	Dr. Richard T. Been

STEPHEN D. KORNBLATT (E) is currently employed as director of research and analysis at the Metropolitan Cleveland JOBS Council. He recently received his M.A. degree in science technology and public policy from Case Western Reserve University. During the past year he was State Coordinator for field operations, election day activities, and statistical analysis for the Howard Metzenbaum for U.S. Senate campaign in Ohio.

P. JAMES VICCARO (E) is teaching at Instituto de FISICA, Porto Alegre, Brazil.

CHARLES N. ABERNETHY (E) received his Ph.D. degree in psychology from Pennsylvania State University in December 1970.

Dr. LARRY J. FEESER (E) has been awarded a National Science Foundation faculty fellowship for 1971-72. He is associate professor of civil and environmental engineering at the University of Colorado, Boulder, Colo. He will begin study and research at the Swiss Federal Institute of Technology in Zurich, Switzerland, next fall.

Mr. and Mrs. BIRK P. BINNARD (E, and WILLIS GELBART, E) are living in Creve Coeur, Missouri. Mr. Binnard is a technical consultant for McDonnell Douglas.

OLIVER R. ROBLING (E) is district manager of The Trane Company, Pittsburgh.

THOMAS MILLEA (E) is presently a systems analyst for Standard Motor Products, New York City.

DAVID I. SPECHT (E) is assistant Manhattan Coordinator for the Addiction Services Agency School Program, New York City.

FRED H. BAER (E) is a captain in the U. S. Army Signal Corps. He is also doing graduate work in engineering science at the King of Prussia Campus of Penn State University.

DENNIS A. ROSS (E) is a scheduling engineer for the J. A. Jones Construction Company, Fogelsville, Pa. He is responsible for all construction coordination on the multi-million dollar F & M Schaefer Brewery at Fogelsville.

PETER HOTZ (A) is presently manager of architectural programming for General Housing Industries, State College, Pa. Mrs. Hotz is the former MARJORIE MATHIE, (M).

JAMES R. SLATER (E) has been transferred from Hammond, Ind., and promoted to assistant master mechanic at Jones & Laughlin Steel, Pittsburgh.

JOHN H. KAVELIN (A) is presently doing free-lance design work in New York-New Jersey area. He is also interior designer for Total Concepts, Inc., Franklin Lakes, N. J.

Mrs. Kevin P. Davis (ARLENE WINNER, M) is a management trainee at Winters National Bank, Dayton, Ohio.

RICHARD H. DAVIS (E) is data processing supervisor for Pfizer, Inc., Clifton, N.J.



Henline '66



Slater '66

'66 WILLIAM D. HENLINE (E) has recently joined the staff of the Amoco Chemicals Corporation at the Standard Oil Research Center in Naperville, Ill., where he is working as a research engineer in the Organic Chemicals Division. Mrs. Henline (PAMELA A. MEYERS, E) is a computer specialist at Argonne National Laboratory, Applied Mathematics Division.

HOWARD F. SLATER, JR. (E) has been promoted to the rank of captain. He is a member of the analysis section of Safeguard Communications Agency, Ft. Huachuca, Ariz., special scientific activities branch.

SAMIR K. ABDALLAH (E) is a graduate student in the computer science department at Michigan State University.

EDWARD C. JESTEADT (E) has a new position as supervising engineering with American Tel. & Tel., Long Lines Department in New York City. He is responsible for developing computer system to engineer switching machines used in the Bell network. The Jesteadts (BETSY SHERMAN, HS'69) have a one-year-old son.

PAUL W. MAGNUSON (E) is account manager for RCA Corporation computer systems, Hartford, Connecticut.

MICHAEL W. BODNAR (E) is a development engineer at Western Electric Corporation, Allentown, Pa.

JACOB M. HOFFMAN, JR. (E) received his Ph.D. degree in organic chemistry from the University of Rochester. He is currently a post-doctoral research associate in chemistry at Columbia University.

EDWARD J. MASAR (E) is manager of software development for Westinghouse Electric Corporation, Orlando, Florida.

MICHAEL G. EMERSON (E) is now a R&D engineer with Ashland Chemical Company, Houston, Texas.

RICHARD L. VAN TASSEL (E) is a research engineer at the U. S. Bureau of Mines, Pittsburgh.

RICHARD L. BEHLING (IA) is in Lexington, Ky., where he is manager of material planning and systems for WABCO.

Dr. JOSEPH M. BROWN (E) is an associate professor in the electrical engineering department at Iowa State University, Ames.

GARY S. HOUGH (E) is now production manager at Edward's Laboratories, Santa Ana, Calif. He will receive his M.B.A. degree in management from California State College, Long Beach, Calif., in September.

DONALD W. SCHROEDER, Jr. (E) is senior technical systems analyst for Columbia Gas System Service Corporation, Marble Cliff, Ohio.

DENNIS E. KAHLE (A) was released from the U. S. Army in June 1970. He is now percussion instructor and teaching fellow at the University of Pittsburgh.

MR. and MRS. MICHAEL A. DE MARCO (IM, and BARBARA SHALLER, M'67) have moved to New York City. Mr. DeMarco is a senior quantitative analyst in the Office of the Mayor of New York City. Mrs. DeMarco is a research editor for the Code Authority—National Association of Broadcasters.

WILLIAM W. BREWER (A) is pastor at St. Mark's Lutheran Church, Jeannette, Pa.

WILLIAM D. BARKHYMER (A) studied conducting in Monaca during September. He is now in Vienna, Austria.

ROGER S. GALLET (A) received his M.Arch. degree from Harvard University in March.



Jim '66

'67 1st Lt. GERALD ANTHONY JIM (E) was awarded the Army Commendation Medal for exceptionally meritorious service as a metallurgist while assigned to the U. S. Army Mobility Equipment Research and Development Center, Fort Belvoir. The Center, at which he has been serving, is responsible for research, development and engineering for round-the-clock mobility in some 15 fields of military engineering ranging from improved materials to bridges and detection devices.

SUSAN WITT (A), a graduate student at the University of the Pacific's Conservatory of Music, was one of three winners in the San Francisco region auditions for the New York Metropolitan Opera.

After teaching at Hampton Institute in Virginia for three years, GARY A. BOWDEN (A) is now a project architect for RTKL, Inc., Baltimore.

GARY L. BRUCE (E) is an electrical engineer with Bruce & Merthees Electric, New Castle, Pa.

HARRY B. BROWN, Jr. (E) spent two years in the U. S. Navy as an ensign and Lt. j.g. aboard the carrier U.S.S. America. He is doing graduate work at Carnegie-Mellon and is a research mechanical engineer at Allegheny-Ludlum Industries, Brackenridge, Pa.

PAUL J. BESHENICH (E) is employed by Mohawk Data, King of Prussia, Pa.

FREDRIC S. LIFF (A) is a first year law student at South Texas College of Law.

CHARLES E. NOLL (E) is working toward his Ph.D. degree at Rensselaer Poly Institute. He is a chemical engineer at Hooker Chemical-Durez Division, N. Tonawanda, N. Y.

DANIEL R. MERSEL (E) is an associate engineer with IBM in Kingston, N. Y.

JON L. BARTOS (E) is presently a research metallurgist with General Electric, Cincinnati, Ohio.

DAVID L. HORWITZ (E) is chief engineering test pilot and system engineer for Brittain Industries Narco Avionics, Ft. Washington, Pa.

MARC LIEBMAN (IM) is presently a sales engineer with Westinghouse International organization, New York City.

GEORGE W. DONALDSON (E) is a project engineer with Philco-Ford Corporation, Houston, Texas.

RICHARD H. MCCUEN (E) received his Ph.D. degree in civil engineering from Georgia Tech this winter. He is presently doing watershed management research under cooperative agreement between Georgia Tech Environmental Resources Center and the Agricultural Research Service in Atlanta. He has accepted a position on the faculty of the civil engineering department at the University of Maryland, College Park, Md. starting in September 1971. He will teach water resource systems engineering.

WADE W. BROWN, Jr. (E) has been promoted to the position of assistant plant metallurgist at the Tubular Products plant of Babcock & Wilcox, Alliance, Ohio. He is presently enrolled in the evening program at Kent State University, working toward his master's degree in business administration.

H. PAUL DAVIDSON (E) is presently employed by Bell and Howell Company as the manager of systems and procedures for the Business Equipment Group in Lincolnwood, Ill., north of Chicago.

HARCHARAN SINGH SURI (E) has been appointed director of research and development for Vikoa, Inc. He will be responsible for the firm's Electronics Engineering division.

RICHARD E. MATLAK (M) has been promoted to captain while serving as adjutant in headquarters detachment of the 159th Transportation Battalion in Vietnam.

'68

DREW SNYDER (A) has portrayed characters on CBS-TV "Search for Tomorrow" and "Love is a Many-Splendored Thing." He is now on a two-year contract with "Love of Life" as Dr. Dan Phillips.

EDWARD F. SZCZYGLINSKI (A) has completed his two years of active duty with the U. S. Army and is now a package designer with E. R. Squibb and Sons, Inc., New Brunswick, New Jersey.

WILLIAM C. WINKLER (A) has become registered to practice architecture in Pennsylvania. He is presently with the firm of Janusey, Schaad & Associates, architects in Pittsburgh.

DENNIS P. MALONEY (E) is at the University of California at Berkeley to continue studies for his Ph.D. degree in chemical engineering after serving as a dental technician in the Army.

LYNN AUBRECHT EBELING (A) is an art teacher in the Pennsbury Schools, Yardley, Pa.

HOWARD A. SCHWARTZ (E) recently started working in the office of assistant secretary for environment and urban systems, U. S. Department of Transportation, as a program coordinator. He is writing his thesis for a master of regional planning from Cornell University.

Mrs. Lawrence W. Abrams (ELLEN ACKERMAN, M) is teaching at the Robin Hill School in St. Louis.

GEORGE T. HUNTER, Jr. (E) has a new position as sales engineer with Barrett, Haentjens & Co., Coraopolis, Pa. Mrs. Hunter is the former PATRICIA THORNER (A).

DALE B. PESCHEL (E) is official assistant at First National City Bank, New York City. The Peschels ANNE HARGROVE, (HS'69) are living in Riverdale, N. Y.

SUSAN R. HABERLAND (E) is a chemical engineer for Polaroid Corporation, Waltham, Mass. She is a member of the CMU Admissions Council in Boston.

KENNETH N. MORRISON (AM) is a management scientist at First National Bank in Dallas, Texas.

WILLIAM J. HOLLISTER (IA) is a systems engineer with Industrial Nucleonics, Columbus, Ohio.

RAJNIKUMAN N. SHAH (E) is back in Indiana where he is a partner in Rajni Chemical Corporation, Bombay.

ROBERT B. ALBERTSON (E) is doing graduate work at the Harvard Business School, Boston, Mass.

VIVIEN J. ABRAMS (A) is teaching children's art classes at the Cleveland Museum of Art and working in the curator's Photo Study Collection there.

KENNETH S. HALL (IA) is manager of housing product planning for General Electric, Philadelphia, Pa.

BARRIE L. DINKINS (M) received her M.S. degree from Cornell University in July. She is presently employed by General Foods and is working in their Institutional Food Service Division as an assistant product manager for food products.

'69

JOHN PASQUIN (A) was director for the Milwaukee Repertory Theater production of "Spoon River Anthology" by Edgar Lee Master this winter.

LEILA T. NUSSBAUM (M) received her M.S. degree in foods and nutrition from Pennsylvania State University in December 1970.

Lt. NICHOLAS CHEREVKA (E) is stationed in Long Binh in Vietnam.

Mrs. Peter Brown (STEPHANIE E. GROSS, HS) is teaching in the Fairfax County Public Schools, Springfield, Virginia.

ROBERT W. PASCO (E) is a metallurgist in the customer technical service department of the Sharon Steel Corporation, Sharon, Pa.

Sgt. (E-4) KENNETH A. WORSHAM (AM) is in the U. S. Air Force at Offutt Air Force Base, Nebraska.

GARY C. FLOAM (E) is a business systems specialist at the Bell Labs, New Brunswick, New Jersey.

WILLIAM E. BERGEMANN (E) is doing graduate work in the physics department at Drexel University.

JAMES R. HOLLAND, Jr. (IA) is presently a consultant for Booz-Allen & Hamilton, Dallas, Texas.

ROBERT M. REYNOUARD (E) is a project electrical engineer for Alcoa Research, New Kensington, Pa.

MICHAEL L. TRAVIS (E) is an associate engineer with Westinghouse Electric, Pittsburgh.

KENNETH P. SLABY (E) has received his M.S. degree in chemical engineering from the University of Illinois.

VITO BONGIORNO, Jr. (E) is a research assistant in the department of chemical engineering at the University of Minnesota.

LINDA G. STOCKTON (HS) has been appointed as a recreation specialist with the Army Special Services in Germany/Italy.

STUART M. BERNI (A) is a creative staff manager for the Alan Berni Corporation, New York City.

RONALD BUTERA (HS) is teaching at Perry High School, Pittsburgh.

BRADFORD L. SMITH (E) is a 1st lieutenant in the Army and is stationed at Arlington Hall Station, Va. The Smiths (DIANE MARBURGER, M'71) are living in Arlington, Va.

Airman First Class FRANK E. RATH Jr. (AMS) is currently serving at Korat Royal Thai Air Force Base, Thailand.

Heindel '70



Hood '70

'70 New York's internationally-known experimental theater, Cafe Le Mamma, produced JOHN M. TEBELAK's (A) musical, "The Godspell," in February.

Airman WILLIAM T. ARNOLD (E) has completed basic training at Lackland Air Force Base, Texas. He has been assigned to Sheppard AFB, Texas, for training as a medical services specialist.

CAROL KASTENDIECK (A) devised and directed the premiere performance of Alan Leichtling's "A White Butterfly" at the Julliard Opera Theatre in February.

DAVID S. HEINDEL (E) has been appointed principal structural engineer in the engineering department of Dravo's Engineering Works Division, Pittsburgh.

2nd Lt. LINDA F. HOOD (E) was recently graduated from the Women's Army Corps Officer Basic Course at the Women's Army Corps Center in Ft. McClellan, Alabama.

Dr. PAUL R. KLEINDORFER (IA) is an assistant professor at the Sloan School at Massachusetts Institute of Technology.

CHRIS JOHN (A) is a U. S. Navy-nuclear electrician's mate on the USS *Lorain County*.

ELLEN L. MUSGRAVE (E) is a chemical engineer with Union Carbide, Sistersville, West Virginia.

THOMAS L. MERCER (A) is with the U. S. Department of Interior, Planning and Advisory, for Philene Arts Center for the Performing Arts.

JAMES M. STAUFFER (A) is teaching design at Saginaw Valley College, Saginaw, Mich.

Mrs. Stephen Stabner (DEVORAH L. CASSEL, E) is a legal researcher for Williamson & Williamson, New York City.

Mr. and Mrs. JOHN J. TRUECHT (E), are living in Oakdale, Pa. Mr. Truecht is an industrial engineer with Westinghouse, Pittsburgh.

NICHOLAS R. JAFF (IA) is currently production manager of a small knitwear plant of Delsla Ltd., Johannesburg, South Africa.

Airman EDWARD C. FREDIAN Jr. (E) has been assigned to Dover Air Force Base, Dover, Del., following graduation from a technical training program for U.S. Air Force administrative specialists at Keesler Field, Miss.

ANITA L. STAPEN (A) is studying painting and graphics in Florence, Italy.

Mrs. Robert Ungaretti (ANTOINETTE L. SAPET, M) is an assistant professor at the University of Delaware.

JAMES M. STAUFFER (A) is an assistant designer for Minnesota Theatre Company, Minneapolis.

SUSAN B. SHILANE (HS) is doing graduate work in English at the University of Miami, Florida.

NATHANIEL F. TARBOX, III (IA) is a technical systems analyst for Hooker Chemical Corporation, Tonawanda, N. Y.

JAMES V. SCHENCK (IA) is an analyst for Shell Oil Company, Houston.

ROBERT J. UNGARETTI (E) is a nuclear instrument engineer for Philadelphia Electric Company. Mr. and Mrs. Ungaretti (ANTOINETTE L. SAPET, M) are living in Newark, Delaware.

ELLIS L. SCHMIDLAPP (A) is an assistant for design programs for the Pittsburgh History and Landmarks Foundation, Pittsburgh.

DANIEL L. TAYLOR (AM) is a systems analyst for Allegheny County, Pittsburgh.

PATRICIA A. MC DONALD (HS) is assistant director of admissions at Allegheny County Community College.

Mr. and Mrs. JAMES SELEVAN (E, and LAURA J. SELEVAN, E) are living in Miami, Florida. Mrs. Selevan is teaching at the Hebrew Academy and Mr. Selevan is at University of Miami Medical School.

ANDREA J. TOMAI (A) is attending graduate school at Hehnmann Medical College, Philadelphia.

JOHN P. MINARKI (E) is an engineer with U. S. Steel, Dravosburg, Pa.

MARY L. MICHELL (A) is under contract to the Mummers Theatre in Oklahoma City, Oklahoma where she will appear in four dramatic offerings this year.

ALAN E. MIDDLEDITCH (E) is an engineer with Westinghouse Electric Corporation, Pittsburgh.

Mrs. Jeffrey E. Cox (DIANE STEIGER, HS) is a library assistant at Duke University Library.

JANE W. JONES (HS) is a receptionist for Delson & Gordon, New York City.

GARY G. ROBERSON (E) is working on his M.S. degree in computer science at Johns Hopkins University. He is an electrical engineer at the Naval Ordnance Laboratory, Silver Spring, Maryland.



Let's Meet & Eat

The *Alumni News* presents a list of regular meetings, particularly luncheon meetings of the Clans—with the hope that traveling alumni can take advantage of these recurring events to meet some old friends or make new ones.

BOSTON

Third Wednesday of each month, 12 noon
Rosoff's—97 Summer Street
(No Reservations Needed)
Pres. John F. Morten
Secy. Sharon E. Rudo

CHICAGO

First Monday of each month, 12 noon
Men's Grill, Carson's, S. State Street
(women invited)
(No Reservations Needed)

Pres. Robert Stocking
Secy. Anne Coulter
CLEVELAND

Second Friday of each month, 12 noon
(Except August)

Cleveland Engineering Society
3100 Chester Avenue
(No Reservations Needed)
Pres. George Voinovich
Secy. Mrs. Barbara Beres
NEW YORK

Uptown—last Thursday of each month, 12:30 p.m.
N.Y.U. Club, Town Hall Bldg.

123 West 43rd Street
(No Reservations Needed)
Pres. Michael Smolens
PITTSBURGH MEN'S
Every Monday, 12 noon
Pick-Roosevelt Hotel
(No Reservations Needed)
Pres. H. K. Seifers
WASHINGTON

Second Thursday of each month, 12 noon
Golden Ox Restaurant
1615 "L" Street, N.W.
(No Reservations Needed)
Pres. Clarence Weissenstein
Secy. Mrs. Claire Weller Davis

CLASS END IN 1 OR 6? PLAN FOR HOMECOMING ON OCT. 15-16, 1971

Mrs. Carl J. Reed (SARAH WEBSTER, E) is a research assistant at the University of Pittsburgh.

ANN S. PLAKS (E) is a research analyst for the Department of Health, Education and Welfare, Washington, D. C.

A. ALADAR MARBERGER (A) is curator and manager of the Fischbach Art Gallery in New York City.

Mrs. Dennis A. Klink (SANDRA L. GRIMINGER, A) is an illustrator for Marini Climes & Guip, Inc., Pittsburgh.

RONALD J. HAAN (HS) is president of Recruiting Technology, Inc., Washington, D. C.

Mr. and Mrs. JOHN A. NELSON (HS, and MAXINE DANIELS, M'69) are living in Plymouth, Mich. Mr. Nelson is a technical engineer in the geology department at the University of Michigan.

JOHN E. FITZSIMMONS (E) is a research engineer with St. Joe Minerals Corporation, Monaca, Pa.

THOMAS F. HEENAN (E) is presently a nuclear engineer for the U. S. Atomic Energy Commission.

SUSAN DREYFUS (HS) is an assistant account executive for Altman, Vos & Reichberg Inc., New York City.

PRASITT SAWAPRUK (E) is presently in Clearfield, Pa., where he is a civil engineer in the Department of Transportation.

DANIEL D. KEEBLER (AM) is in the traffic division of Eastern Fuel, Pittsburgh.

Mrs. James R. Sanner (ELAINE ABRAMS, HS) is doing graduate work at George Washington University.

ANTONIO M. BORGES (E) is a design engineer with S. Weinreich Assoc., New Hyde Park, L. I., N. Y.

JUDITH E. LIGHT (A) is an actress with the Milwaukee Repertory Theatre, Milwaukee, Wis.

NINA A. LANDES (E) is doing graduate work at Weizmann Institute, Rehovot, Israel.

DAVID T. OSBORNE (E) is a technical analyst for Humble Oil Company, Houston, Texas.

MICHAEL J. SLOBODIEN (E) is a graduate student and research chemist at the University of Pittsburgh School of Public Health.

Mrs. Len Wanetik (ANN DENGROVE, HS) is a caseworker for the State of Pennsylvania-Public Assistance, Pittsburgh.

Mr. and Mrs. DAVID M. GENTNER (E, and DALE DAVIES, HS) are now living in Paducah, Kentucky. Mr. Gentner is a chemical engineer for B. F. Goodrich Chemical Company. Mrs. Gentner does substitute teaching in the Paducah City Schools and is a dance instructor in the Department of Parks and Recreation of Paducah.

PAUL M. SMITH (E) is a metallurgist for Kaiser Aluminum and Chemical Corporation, Ravenswood, West Virginia.

JOSEPH R. TURNER (E) is an engineer for Westinghouse Bettis Atomic Power Lab, West Mifflin, Pa.

GERALD L. WEINSTEIN (E) is doing graduate work in the department of chemistry at Boston University.

SHERI SIVITZ (M) is a graduate student at the University of Pittsburgh in health related professions, child development and child care.

DAVID R. WADE (E) is an associate engineer at the Bettis Atomic Power Lab, West Mifflin, Pa.

ROBERT L. SCIULLI (E) is a medical student at the University of Pittsburgh.

MARK L. WALKER (HS) is teaching at the Bishop Montgomery High School, Torrance, Calif.

HILLARD M. LAZARUS (E) is a medical student at the University of Rochester, Rochester, N. Y.

GEORGE A. OLSEN (E) is an electrical engineer with J&L Steel Corporation, Pittsburgh.

JOHN G. O'BRIEN (E) is doing graduate work at the University of Pittsburgh.

ARTHUR L. THOMAS (E) is an airman with the U. S. Air Force, Chanute Air Force Base, Ill.

DENIS A. BLANK (E) is now a metallurgist for Allegheny Ludlum, Brackenridge, Pa.

JAMES A. ROSE (E) is teaching at South Hills Catholic High School, Pittsburgh.

CHARLES P. KEEGAN, Jr. (E) is a mechanical engineer for U. S. Steel Corporation, Clairton Works, Clairton, Pa.

Mrs. Jere Moter (LINDA RANKIN, M) is a home economics teacher at Stewart Jr. High School, Norristown, Pa.

LAWRENCE ANDERSON (E) is a quality control engineer for the Advanced Technical Corporation, Geneva, Ohio.

CONNIE M. BARR (A) is a design consultant for Westinghouse Electric, Pittsburgh.

WALDEMAR J. SITKEWICH (E) is a project engineer for Bailey Meter Company, Wickliffe, Ohio.

JAMES M. POLLOCK, Jr. (E) is working toward his Ph.D. degree in the department of biochemistry at the University of Miami, Florida.

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Bob Mc Cuddy



The Director's Letter

That CMU tours are not ordinary but economical, educational, and marked by fun and fellowship is demonstrated by many letters I have received from participants. To quote a few:

Yoshikazu Uji of Japan writes: "Some years have passed since we met in Tokyo and your group invited us for dinner at Hilton Hotel for which I am still thankful. I am sorry that I have not been able to write, and thank you for the invitation and giving us the opportunity to meet the old friends. In case some of the concerns with which CMU Alumni are connected are planning to come here and seeking someone to consult with, I will be glad to assist them to the best of my knowledge and experiences here, though my capabilities may not be adequate to meet their full requirements.

"I wish you good health and hope that you continue your good service of getting large number of Alumni together as ever.

"Please give my best regards to Dr. Stever, and Miss Garver with whom we had happy meetings in Tokyo some years ago. I also wish you to convey my respect and admiration to Dr. Stever whose activities and wonderful accomplishments that have been informed by the Alumni papers and through Mr. Kaku. Hoping the prosperity and further development of CMU."

Kay Ritchey, wife of one of our outstanding trustees and architects writes: "Again, may I tell you how much I enjoyed the Spanish sojourn in Torremolinos. There was something for everybody..."

Stella E. Hartman writes "It was my first visit to Greece, India, Nepal, and Thailand. There was much to see and learn about these places."

From Richmond, Virginia, Mr. and Mrs. Wallace R. Neilson state: "We both wanted to let you know that we thoroughly enjoyed our trip to the Costa del Sol this month. It was, without a doubt, a most enjoyable vacation. We were especially pleased with 'Mo's' services, and think he did a grand job in setting up the various tours for the group—by going to the bullfight, and on the countryside tour, Seville tour, Tangiers tour, and the bus trip and tour of Granada we feel that we really saw the main points of interest on the Costa del Sol.

"We certainly hope that there will be other one week Carnegie-Mellon University tours. With three teenage boys and both of us employed full time the one week tours are just made to order for us. How about Italy or Ireland in '72, Wanda?

"The group was well balanced in age and interests. For a group that large, it was the most unusual to find no one, at least by our observation, who was the least bit offensive in manners or actions. We especially liked the opportunity to participate in planned events and yet the freedom to choose a different activity or even none at all. The meals were quite good and we welcomed the opportunity to choose the time we preferred to eat.

"Please accept our sincere appreciation for all of your detailed preparation and planning that certainly was a major factor in contributing to a smoothly run trip."

"We shall have many fond memories, not only of interesting sights and trips, but also of new friendships found with those participating in this tour," writes Don Hershey of Cleveland.

And the young man from Athens, K. Kaminaris, enthusiastically says "It was quite exciting on both sides that CMU alumni people could meet and share not only old remembrances but also new acquaintances."

"I would like to thank you for your kind thoughtfulness in letting me meet this fine group. Should you happen to contact any member of that group, please convey my regards."

A commendation on tour planning comes from Wanda Wohlfarth: "Just a line to tell you how much Jim and I enjoyed the Spain trip. Our only regret is that it wasn't two weeks. You really did a great job on planning and keeping us posted. Many, many thanks! We look forward to a trip next winter."

So, your University continues on its way, offering services to alumni that are educational, cultural, economical and, above all, fun with other alumni around the world. Won't you study next year's tours? They will include Rome, a Caribbean cruise and probably a summer trip to Russia. Can we put you aboard?