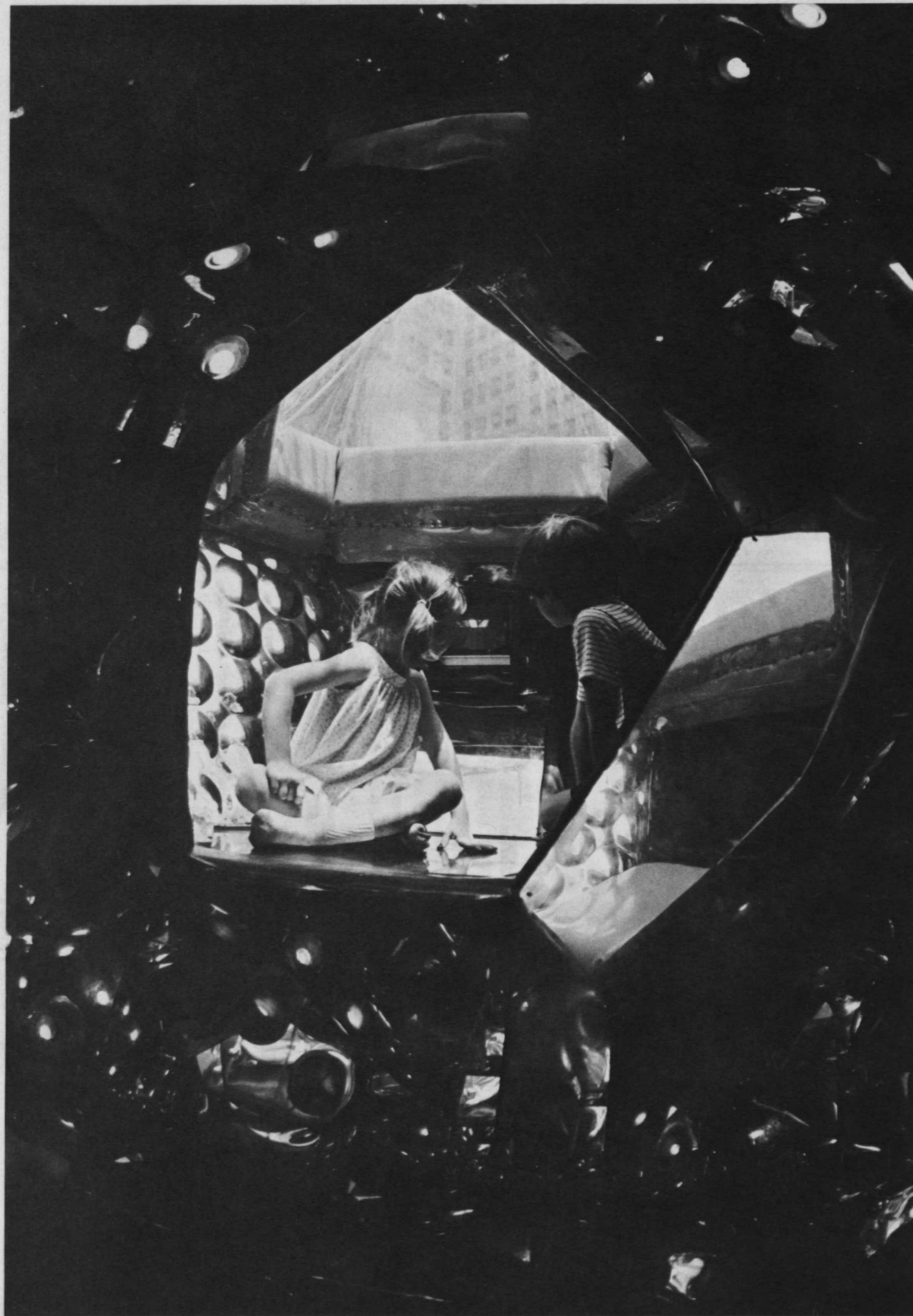


Photo by Richard Braverman



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CARNEGIE ALUMNI NEWS

September 1971

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published for the Alumni
of
Carnegie-Mellon
University,
Pittsburgh, Pennsylvania
September 1971

Outstanding Alumni To Be Honored

Astronaut Edgar D. Mitchell will be honored by Carnegie-Mellon University for the second time this year as part of the homecoming celebration next month.

Theme of the two-day celebration, Oct. 15-16, is "How Many Years Since You've Been Back?"

Although the focus of the event will be on alumni who graduated in years ending with a one or six, the highlight of the event will be the Alumni Awards Banquet. That's when 12 alumni will be honored for outstanding professional achievements or service which have brought credit to Carnegie-Mellon.

Capt. Mitchell (IM'52), who received an honorary doctorate from Carnegie-Mellon last May, will receive the Distinguished Achievement Award in absentia.



Captain Mitchell

Miss Davis



Mr. Bloom



Mr. Davidson

The Distinguished Service Award will go to Frederick S. Bloom (E'21), founder and chairman of the board of Bloom Engineering Company, Pittsburgh, and a life trustee of Carnegie-Mellon. Mr. Bloom won a Service Award in 1950, and a Merit Award in 1959.

Merit Awards will be presented also to:

- Marie A. Davis (M'41), associate director of The Free Library of Philadelphia, and former public relations director of Carnegie Library of Pittsburgh. Miss Davis has been responsible for numerous innovations in library services, especially in the Philadelphia area.

- H. Justin Davidson (E'52), dean of Cornell University's Graduate School of Business and Public Administration. Mr. Davidson, who served for many years with Touche Ross & Co., a national accounting and auditing firm, has contributed significantly to the public accounting and management professions.

- Jack L. Bowers (E'42), vice president of General Dynamics Corporation and president of its Electro Dynamic Division at San Diego, Calif., and a trustee of Carnegie-Mellon. Mr. Bowers has been a leader in aerospace systems engineering, management and research, and holds an award from NASA for his contributions to the Gemini program.

- Elaine Konigsburg (M'52), Jacksonville, Fla., writer and illustrator of children's books. Mrs.

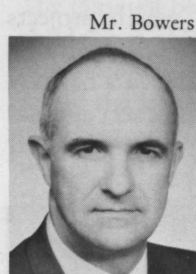
Konigsburg is already a recipient of three national writing awards, including the John Newbury Medal and the William Allen White Award for her second novel, *From the Mixed-up Files of Mrs. Basil E. Frakweiler*.

- Dr. Robert C. McMaster (E'36) Regents Professor of Welding Engineering and Electrical Engineering, Ohio State University. Dr. McMaster, one of the world's leading authorities on non-destructive testing, is also a pioneer researcher in the field of ultrasonics. Many of his inventions have been patented in the U. S. and abroad.

Winners of Service Awards are Frederick G. Blackburn, a life trustee of Carnegie-Mellon and former vice president of Mellon National Bank and Trust Company, and former president of the Tremarco Corporation, Pittsburgh; William A. Conwell, vice president of the Duquesne Light Company, Pittsburgh; Ruth Brunn Demmler, Pittsburgh Women's Clan; David G. Reynolds, president of David G. Reynolds Company, Whittier, Calif., and Richard J. Latta, a Boston, Mass. insurance executive.

Mr. Latta (E'40) was president of the Boston Clan from 1964 to 1966, and alumni fund chairman there from 1964 to 1969. He was a founder of the Boston Admissions Council, and since 1965 has served as alumni adviser. He is an underwriter for the New England Mutual Life Insurance Company.

Mr. Blackburn (E'28) served on the executive committee of the board of trustees from 1939 to 1970. He was chairman of the finance committee for 10 years, and was treasurer for seven years. In addition he has served with other educational institutions and civic groups in Pittsburgh.



Mr. Bowers



Mrs. Konigsburg



Mr. Latta



Dr. McMaster

Mrs. Demmler (M'44) has been active on the board of the Pittsburgh Women's Clan since 1954. She has served as membership chairman, chairman of an annual meeting, secretary, and a delegate to the Alumni Council. She is also chairman of the volunteer committee of Children's Hospital, Pittsburgh.

Mr. Reynold's (E'40) helped found and for two years was president of the Los Angeles Clan. He was chairman of alumni fund raising there for three years, served on the Clan's board of governors, and

last year was vice chairman in his area for the Fund for Distinction.

Mr. Conwell (E'29), a nationally-recognized engineer who holds three degrees from Carnegie-Mellon, is former president of the Alumni Association, has served as regional vice president and alumni fund chairman, and was general alumni solicitation chairman in Pittsburgh for the Fund for Distinction.

Mr. Blackburn



Mrs. Demmler



Mr. Conwell



Mr. Reynolds

The Awards Banquet will be held Friday, Oct. 15, and will begin at 6 p.m. in the Faculty Dining Room, Skibo Hall.

Friday's events will open with a Golden Anniversary Luncheon for the Class of 1921 in the Wherrett Room, Skibo, at 12 noon. President H. Guyford Stever and Mrs. Stever will be hosts. At the same hour, the Pittsburgh Women's Clan will sponsor a luncheon and fashion show in Skibo Ballroom.

At 1:30 a reception with Dr. Stever will be held in Room 100 of Skibo for alumni who were students during 1908-1918.

Friday evening at 9:30 an "Octoberfest" featuring nickel beers, pretzels, banjos, singing, and old movies will be held in the Faculty Dining Room.

Scheduled for Saturday morning in Skibo Ballroom are a continental breakfast with Dr. Stever at 8:30, a multi-media production entitled "The Strangest Kid in Town" at 10, and an Alumni Council meeting at 11.

At 12 noon, while a chicken barbecue is held on the cut, a reception for past Alumni Association presidents and their wives will be conducted in Room 100, with William J. Moore (E'35) and his wife serving as hosts.

The CMU-Allegheny College football game will begin on Tech Field at 1:30 p.m., and the Alumni Award for Outstanding Athlete of the Year will be presented to Jeffrey M. Larochelle.

Homecoming will close at the William Penn Hotel with class reunions, dinner, and dancing from 6:30 p.m. to 12:30 midnight. Jack Purcell (A'41) and his orchestra will provide the music.

Throughout the two-day celebration, tours will be conducted, and the Alumni Contact Center will be open for alumni who wish to meet students, leave messages, and determine if any of their classmates have come back to town.

CMU Administrator To Head City University of New York System

Dr. Robert J. Kibbee, currently vice president for administration and planning, and a member of CMU's administration for the past decade, has been named to one of this country's most prestigious and complex educational posts.



Dr. Kibbee

Dr. Kibbee, 49, was elected Chancellor of the twenty-campus City University of New York (CUNY) system in late July. He will assume his new duties in New York City, his birthplace, later this fall. The enrollment of the CUNY system is estimated at 200,000, and two years ago, the University inaugurated the controversial open-admissions plan, which Dr. Kibbee views as "one of the most advanced and courageous steps taken by a major institution of higher education during the past decade."

In addition to his position at CMU, Dr. Kibbee has also served, for approximately the past two years, as President of the Pittsburgh Board of Education. Commenting on his efforts in that position, the *Pittsburgh Post-Gazette* said, "In the opinion of many, Dr. Kibbee has succeeded to the point, where, for the first time in decades, people in the City of Pittsburgh see the Board as a collection of human beings ready and willing to hear them out and take positive action on their complaints."

Dr. Kibbee came to CMU in 1961 under then President J. C. Warner as his assistant. He was named vice president for planning in 1965, and vice president for administration and planning in 1968.

"None of these titles," says CMU President H. Guyford Stever, "reflect his real contributions. Instead, they reflect our search to more aptly describe his activities. There are some people whose titles can never describe function or influence within a community," Dr. Stever continued. "Dr. Kibbee is one of them."

"Since I became President of CMU in 1965, he has been among my closest advisers on all matters of importance to the University. Some, such as long range studies and projections, and the development of new physical facilities, probably fall within the framework of his job description. But his outstanding and vital contributions in student and faculty programs, educational affairs, community relations, and governmental affairs were key to Carnegie-Mellon's recent progress."

"CUNY and the City of New York," Dr. Stever continued, "gain an educational administrator whose concern for education, especially urban education, has been well documented."

Dr. Kibbee and his wife, the former Katherine Kirk, have three children: Robert, Jr., 26; Katherine, 23; and Douglas Alan, 21.

At CUNY, he will succeed Dr. Albert H. Bowker, who has accepted the chancellorship of the University of California at Berkeley.

New Science Hall Provides Needed Space For Engineers, Scientists



The opening this summer of the new Science Hall marks a substantial addition to science and engineering facilities at CMU.

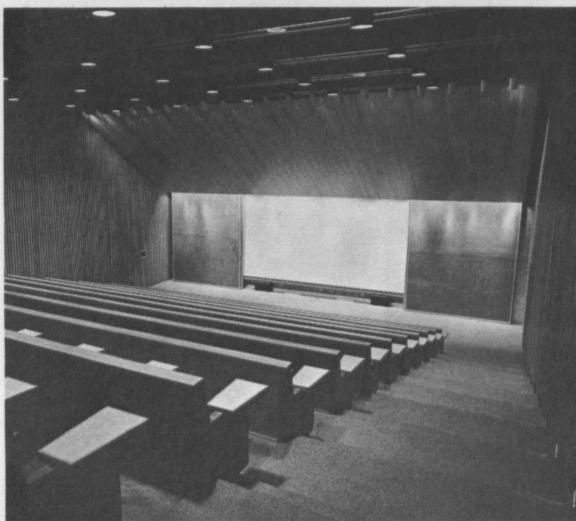
The largest building on campus, Science Hall has 339,000 square feet of floor space, a 25% increase of the total floor space in the University. By comparison, Doherty Hall, previously the largest building on campus, has 205,000 square feet of floor space.

The University assumed occupancy of the \$15.5 million building in May, officially marking the completion of a construction project which began in November, 1968. The building is the largest building project of the Fund for Distinction.

The imposing reinforced concrete building houses the departments of mathematics, computer science and statistics; laboratory/research facilities for physics, metallurgy and materials science, and bio-engineering; the Computation Center; a research library; and an auditorium.

It is adjacent and connected to Doherty Hall with the foundation in the ravine and four floors above campus level. The building completes the three-sided enclosure of the west mall originally envisioned by the University's first architect, the late Henry Hornbostel. An attractive plaza with hexagonal paving bricks, shrubs and flowers extends across the end of the mall, linking Science Hall, Hammerschlag and Porter Halls.

Among the special features of the building is the cantilevered, 154-seat auditorium which projects out over the main entrance. The research library contains a two-story interior space with a balcony overlooking the reading area. Another unusual feature is the location of all the lighter mechanical equipment for the building in the penthouse.



Science Hall Auditorium

A prime beneficiary of the new building is bio-engineering. Thomas Calvert, chairman of bio-engineering and professor of electrical engineering, says that for the first time researchers in different areas of biotechnology at CMU can work together. "Working from different disciplines, such as chem-

ical, civil and electrical engineering, our biotechnologists have been separated in the past by departmental facilities. Now, by having the laboratory facilities for the bioengineers centralized in Science Hall we can easily and frequently communicate and work with one another. This is a tremendous advantage to us."

The Computation Center is another division which stands to gain much from their new location. Harry Rowell, associate director of the Computation Center, finds that the increase in space gives the Center very direct and specific benefits. "We esti-



Computation Center Facilities

mate," he says, "that in our new facilities we may be able to save as much as \$100,000 in operating costs. For example, one thing we can do here we couldn't in Scaife is put the consoles together and have our control center in one place. In addition to making our operation more efficient, this will also cut costs."

Another improvement for the Computation Center is an increase in user facilities. "When the Center is completed," continues Rowell, "faculty, students and staff will have almost twice as many terminals to work from (50 as against 30) as they did in Scaife. Furthermore, they'll have more area in which to work, including study area and storage space. Thus, instead of having to lug materials back and forth every time they want to use the Center, they will be able to simply store them and lock them up till they come back." The Center facilities will have 24-hour access.

Science Hall still isn't completely finished. However, the dust has settled somewhat and the occupants seem to like what they see. One new physicist-tenant feels the building is better than a physics building they built while he was at Berkeley. But then, comparisons are invidious—unless they're in your favor.

Imagine a museum without glass cases, without huge exhibits in cold tiled rooms, without stern watchful guards at every corner. Instead, imagine a museum with a plastic tunnel and a trampoline, and small rooms filled with things you can touch, a museum made from the body of a converted 33 foot trailer, and constructed around the theme of "textures and shapes." This is the Pittsburgh Children's Museum, a trailer-sized mobile unit designed especially for children between the ages of

CMU Students and Faculty Design Children's Museum

four and eleven. This summer Pittsburgh joined ranks with such cities as Boston, Brooklyn, and St. Louis, becoming one of the more than fifty cities in the United States to have children's museums.



Photo by Richard Braverman

The twelve-week pilot project mobile unit was financed by a variety of preliminary grants from the Commonwealth of Pennsylvania Council on the Arts, several Pittsburgh industries and foundations, and numerous private sources. Conceived and designed by Carnegie-Mellon University faculty members, graduates, and students from such varied disciplines as architecture, art, electronics, engineering, and metallurgy, their task was to demonstrate how they would present an exhibit to children based on the theme "textures and shapes."

After several months planning and construction, the designers and builders revealed one of the most imaginative and informative museums in Pittsburgh to date. Massachusetts Institute of Technology has called these designers' combination of art and technology fifteen years ahead of its time.

As the name implies, this museum is solely for children; interested parents will have to learn what is inside from their sons and daughters. The outside of the Children's Museum is covered with a hard brown polyurethane foam giving it a rugged natural stone appearance. One of its 33-foot sides has been cut away and plexiglass mirrors shaped into truncated octahedrons, the most common crystalline structure found in nature, have been inserted in several different groupings. Inside, the museum is divided into eight truncated octahedron-shaped rooms. Each room is dominated by a different natural or synthetic material: one room is made up entirely of different kinds of fur, one is shaped from nothing but different metals, still another is filled with tiny hoses with different colored water flowing through. When the child enters one room he steps on an entire floor of liquid crystals that changes color when heat and pressure are applied by the child's body, and a larger cave room contains a wax slide for the child to use. The small

rooms lend an atmosphere of intimacy that makes it easier for the child to interact with the materials at hand. To enter the museum the child must first crawl through an air filled plastic tunnel into the "Inflato", an air-cushioned variation of a tram-

poline with a red and yellow plastic covering, designed by John Paskevitch, a painting and sculpture instructor at Carnegie-Mellon University. From the "Inflato" the child can enter the museum through a connecting passage.

Just what is the Children's Museum supposed to prove? Simply that children can better appreciate a museum as participants rather than spectators. The museum becomes a tactile environment for the child; he is able to experience its contents with all of his senses. "Our purpose," said George Morris, one of the Museum's designers, "is to design educational structures for educational purposes that would arouse people's curiosity enough to draw them inside and then present them with informative material in a creative environment."

As the Children's Museum was being built, each module was individually child tested; alterations and adjustments were made as the reactions of the children to the modules were studied. As a result, the museum has been extremely successful in attracting children. The designers claim that the museum's major structural defect is the massive amount of energy found in a large group of kids and that the stress and wear that it inflicts on the Museum were not anticipated.

When the summer is over, and the Museum is finished travelling through neighborhoods throughout Allegheny County, the Pittsburgh Children's Museum Advisory Council, Steering Committees and staff will evaluate the Project's success and the plausibility of its continued existence. If judged successful, the exhibit will be expanded and if given adequate financial support, will be established in a permanent location within the Pittsburgh community. Eventually, the museum would encompass many cultural and educational exhibits with a special appeal to the under twelve age group.



Photo by Richard Braverman

New Admissions Plan Implemented

Starting with the 1971 Freshman Class, a deferment of entry plan, already used by such schools as Hobart College, Middlebury College, and Syracuse University, will be available to Carnegie-Mellon University students.

CMU has implemented a program whereby undergraduate students who have been admitted and have paid their \$50 deposit will have the option of entering in the fall term of any of the three academic years following their admission, providing they have not been full-time students at another college or university. If the students' entry is prevented within this time span because of a term of military service, an extension will be granted according to individual circumstances.

Why such a deferment plan? According to many admissions counselors, many qualified applicants are simply not sure of the personal importance of an immediate college education. After being shuttled through twelve years of preparatory education, the thought of four more years of school attracts and repels simultaneously. Every student knows that college entrance competition is extremely selective, just as he knows that the job market competition will be stiff after he graduates from college. But the student is beginning to rebel against the thought of sixteen years of education, from preparatory school to college to full-time job—without a break. There is an increasing movement among youth today to "take a year off" for independent study, travel, personal interests, or volunteer work. More and more people are realizing the importance of giving themselves a year for themselves or for the country through VISTA or the PEACE CORPS.

In the past, the student took this year or two off at the risk of jeopardizing his college education. There was no deferred entry plan—he either went when the school wanted him, or he didn't go at all. Now if the student gets admitted to a school, but decides that he does not want college immediately, he still has a chance.

William Elliott, Director of Admissions, feels that this plan, if carried out in good faith, can work. When the student finally decides to attend CMU, by relating his experiences—good, bad, or indifferent—to the admissions council, he thus fulfills his only remaining requirement. A unique idea in education? Perhaps, but an idea that gives students the opportunity to integrate their field knowledge with their total educational experience.

Alumni Association Receives Award

The Carnegie-Mellon University Alumni Association recently became one of the first recipients of the Citation of Merit from the American Alumni Council (AAC).



The award certificate, created this year to honor alumni associations for exceptional programs and activities, was presented to the Carnegie-Mellon group at AAC's 1971 National Conference in Washington, D. C. in July.

The Alumni Association was selected from more than 1500 colleges, universities, and independent schools in the Council's membership. Two other schools received similar awards.

Robert G. McCurdy is director of the Alumni Association.

Former Placements Director Dies

Charles E. Wangeman, E'33 and director of placements from 1941 to 1970, died June 22 at his home in Mt. Lebanon following an extended illness.

Mr. Wangeman had been serving the University as a placement consultant since September, 1970, when he retired from his position as director because of ill health. He joined the CMU placements staff as an assistant in 1937 and served as the director of the Bureau of Placements for 29 years, 1941-1970.



Mr. Wangeman

A leader in the college placement profession, Mr. Wangeman was a founder of the Middle Atlantic Placement Association and its first president, 1949-50. He was a member of its Board of Directors from 1951 to 1956 and voted into honorary life membership in 1970.

He was a co-founder and chairman of the Pittsburgh Recruiting Executives Group; vice president, 1948, of the Pennsylvania Institutional Teacher Placement Association; and director, 1956-59, of the Pittsburgh Personnel Association. He was a college representative from 1958 to 1961 on the College Placement Council Inc.; and a member of the Southern College Placement Association, the Midwest College Placement Association, and the College-Industry Conference Group.

During his 33 years at CMU, Mr. Wangeman was an active member of several campus committees. He was the armed services representative in 1942-43, president and director of the Credit Union, a member of the Financial Aid Committee throughout his tenure as director of placements, and a member of the Faculty Parking Committee.

Mr. Wangeman received his bachelor of science degree in management engineering from Carnegie-Mellon in 1933, and was a member of Phi Kappa Psi.

From 1933 to 1936 Mr. Wangeman held various positions with Gulf Research & Development Co., Tuscar Metals, Inc., Arbor Nursery, and the Works Progress Administration.

Mr. Wangeman was born in Pittsburgh Sept. 10, 1908. Active in community affairs, he was a founder and director, 1955-56, of the Mt. Lebanon Aqua Club. He was a member of the Mt. Lebanon United Presbyterian Church.

He is survived by his wife Virginia L., a daughter, Mrs. Donna W. Williams, and three grandchildren.

Alumni Survey Results Now Being Tabulated

Results of the alumni survey conducted last spring concerning attitudes of CMU graduates towards higher education in general and CMU, specifically, are now being tabulated and should be published before the end of this calendar year.

Approximately 6,000 alumni and parents of current students completed the attitudinal questionnaire mailed with a report entitled "Are Americans Losing Faith in their Colleges?" The special report was compiled by Editorial Projects for Education, Inc., a nonprofit organization informally associated with the American Alumni Council.

When tabulation of the data is complete, results will be reported in an issue of the *Alumni News*.

New Research Institute Emphasizes Solutions to Industrial Problems

A new multidisciplinary engineering institute opened its doors at Carnegie-Mellon University this month.

Called Processing Research Institute (PRI) and funded initially by a recent \$2 million grant from the National Science Foundation, the organization conducts research and graduate training programs with emphasis on the solution of real industrial problems.

The institute is also directed toward strengthening ties with industries involved in manufacturing and processing of materials and will work closely with many industrial associations, according to Milton C. Shaw, director.



Dr. Milton C. Shaw (right), director of CMU's Processing Research Institute, and Leonard Raab, technician, inspect a specimen in a surface deformation investigation.

There is an "alarming gap between the engineering schools and industries of the nation," says Dr. Shaw, who is also professor and head of mechanical engineering at Carnegie-Mellon.

Associate directors of the institute are Harold W. Paxton, newly-appointed associate dean for research in Carnegie Institute of Technology and professor and head of metallurgy and materials science, and Robert R. Rothfus, professor and head of chemical engineering.

The new institute seeks specifically to:

- Provide graduate training which is problem-oriented rather than directed toward a single engineering science discipline. Such an approach, Dr. Shaw says, should make graduates more useful and comfortable in working with real industrial problems.
- Conduct applied research designed to explain and generalize present technology in fundamental terms.
- Make contributions to new technology, including the application of new physical effects, the transfer of technology from one industry to another, and exploration of new control principles.
- Promote the exchange of ideas and techniques among industry, universities, and the government through proposed national and international conferences, refresher courses for engineers in industry, and workshops and special seminars.

Academic programs center on applied research in such areas as the improvement of material removal operations, the development of new and improved tools, automatic control of machines and processes, simulation of processing dynamics, putting value into waste products of industry, improved techniques for generating desired shapes and properties during manufacture by plastic flow, and the processing and improvement of polymers and composites involving polymer.

The educational program is tied in closely with the departments of mechanical engineering, chemical engineering, and metallurgy and materials

science, and other departments when needed. Staff members include competent generalists with strong industrial backgrounds. Engineers from companies that are members of industrial associations will be invited to serve as advisers on various student projects.

According to Dr. Shaw, the institute was established to counteract certain technological conditions which have risen in the nation since the 1950's. These include an imbalance in our universities favoring the training of specialists in engineering science over generalists in applied engineering, deterioration of the "interface" between basic industries and universities, failure of our basic industries to get their share of available engineering talent, and insufficient research on topics of importance to those industries.

Among the causes of these developments, he believes, were increased discipline-oriented research and attendant expansion of university staffs and Ph.D. programs, and expanded government "mission" projects—all accelerated by Sputnik in 1958.

"Industry-university relations are at an all-time low," he says, "and too much engineering talent is being channeled away from our mature industries, resulting in loss of productivity, creativity, and the ability to cope with foreign competition without tariffs and temporary stop-gaps."

He adds that strong industries capable of effectively meeting international competition are needed to help solve the important social problems facing the nation today.

Preferred as students at PRI are those who have at least one year of industrial experience after receipt of the bachelor's degree and who desire to become general practitioners rather than specialists.

GSIA Prof Wins In AMA Contest

Ronald E. Turner, assistant professor of industrial administration in the Graduate School of Industrial Administration, is among the winners of the American Marketing Association's national doctoral dissertation competition for 1970-71.



Dr. Turner

Dr. Turner was honored by the AMA in Minneapolis last month for a paper which the judges said may influence future researchers.

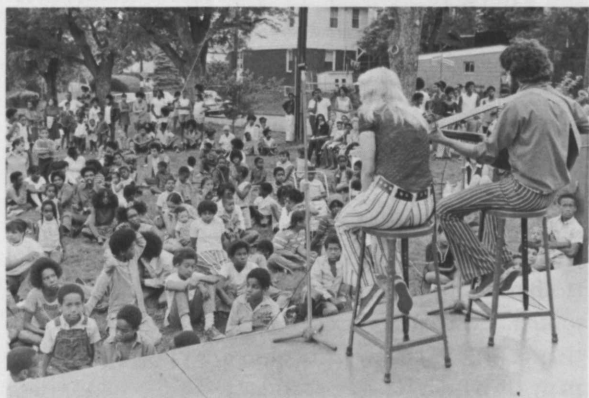
The dissertation, entitled "Perceptual Dimensions of Salesmen," presents a method for improving management's understanding of the allocation of "calling efforts" by salesmen, and provides an analysis of sales-response behavior.

Turner, who came to Carnegie-Mellon in 1969 from the University of Chicago, received his Ph.D. from Northwestern University last year.

CMU Group Brings Live Theater To Pittsburgh Parks

Carnegie-Mellon University faculty and students enlivened entertainment in Pittsburgh this summer with a new theatre group they founded called The Park Players. Funded by the City Department of Parks and Recreation, the group gave free performances in the city's parks. The first season included fifty scheduled performances in 17 parks. Rain cancelled 11 performances.

The Park Players presented two original productions. The first was based on Shakespeare's "Seven Ages of Man" speech and included skits, songs, jokes, scenes from plays, and dance. The second was "An Evening at the Circus" and featured pantomime as well as music and dance. The over-all tone of both productions was light and humorous.



Despite the lack of daily newspapers (Pittsburgh papers were on strike) to publicize the performances, which were given each evening except Monday and a matinee on Sunday, the Park Players had an average audience of about 200. The audiences proved to be enthusiastic and responsive and as word spread throughout the communities, audiences increased. At performances on Flagstaff Hill in Schenley Park and in Highland Park more than 600 attended.

Manager-producer of the 14-member company is Lynn George, lecturer in drama at Carnegie-Mellon University. In addition to Miss George other faculty participants are Charles Dox, assistant professor of drama, set designer; John Pasquin, instructor in drama, director and stage manager; and Jewel Walker, assistant professor of drama, director. Student members of the company are Jack Nicholson, community-relations coordinator; Lowell Achziger, production supervisor; Malik Purley, stage hand and actor; Ted Danson, Randy Danson, Lewis Arlt, Maureen Moore, Brad O'Hare, Barry Pearl, Mary Mazziotti, all actors.



More Photos Page 9

The group traveled to the parks in a truck which held their props and staging equipment and hauled a flat-bed farm wagon with sides that extended to form a stage.

The season was from June 19 through August 6.

This first season for The Park Players, a cooperative effort of the city and the university, was highly successful and there is every reason to believe it will be continued next summer and perhaps become a summer tradition in Pittsburgh.

Two New Associate Deans Appointed

The Graduate School of Industrial Administration and Carnegie Institute of Technology have new associate deans.

Kalman J. Cohen, 40-year-old professor of economics and industrial administration in GSIA and a leading authority on the application of management science techniques in banking, has been appointed associate dean in GSIA.

Harold Paxton, 44-year-old native of England, head of the Department of Metallurgy and Materials Science, and associate director of Carnegie-Mellon University's new Processing Research Institute, has been appointed associate dean for research in Carnegie Institute of Technology.

Cohen, who has been on the GSIA faculty since 1958, has been a consultant in management science to banks and consulting firms since 1959, and has written five books and more than 50 articles on banking and finance, strategic planning, economics, and computer simulation as well as management science. His latest book, *Analytical Methods in Banking*, reviews leading management science applications in banking, while two other books, *Theory of the Firm* and *Carnegie Tech Management Game*, are used as texts in leading universities in the U. S. and abroad.

The economist has conducted research for federal agencies, foundations and educational institutions, and seminars for business firms, trade associations and management schools in this country and overseas. In 1967-68 he was visiting professor at the Technical University in Lyngby, Denmark, and the Graduate School of Economics and Business Administration in Gothenburg, Sweden. He is also a member of the editorial advisory board for the *Journal of Bank Research*, and associate editor of the *Journal of Money, Credit, and Banking*.

A native of Youngstown, Ohio, he earned a B.A. degree in mathematics at Reed College in 1951. He was a Rhodes Scholar at Oxford University, where he received a B.Litt. degree in mathematical logic in 1953. He earned M.S. and Ph.D. degrees in managerial and mathematical economics at Carnegie-Mellon in 1956 and 1959.

He is a director of The McKee Benchmark, Inc., and a member of the American Economic Association, the American Finance Association, the Econometric Society, The Institute of Management Science, the Operations Research Society of America and Phi Beta Kappa.



Dean Cohen



Dean Paxton

Paxton, who has been teaching and conducting research at Carnegie-Mellon since 1953, is co-author of a book on metals and author of some 50 papers on the subject. He has taught and conducted research at the University of Birmingham, and Imperial College, London, and in 1960 won the Bradley Stoughton Award for Young Teachers of Metallurgy. In 1969 he was honored by the American Society for Metals (ASM) for "significant contributions to the metallurgical field."

He is a consultant to Argonne National Laboratory, Aircro, Gulf General Atomic and other companies, and is a member of the American Institute of Mining, Metallurgical and Petroleum Engineers, the American Association for the Advancement of Science, the ASM, and, in England, the Iron and Steel Institute.

Paxton earned his B.Sc. degree and M.Sc. at the University of Manchester, and his Ph.D. at the University of Birmingham.

Engineer Named Ryan Award Recipient

A young engineer, who stresses the need to relate engineering science and technology to public needs and problems, has been named the 1971 recipient of the William H. & Frances S. Ryan Award for Meritorious Teaching, presented annually by CMU.



Dr. Robert W. Dunlap, 34, assistant professor of metallurgy and materials science, is the eleventh recipient of the award, established in 1961 by a \$10,000 gift from Mr. & Mrs. Ryan of Sacramento, California. The award consists of a certificate and honorarium and is presented to a faculty member in an undergraduate division of CMU for "excellence in teaching."

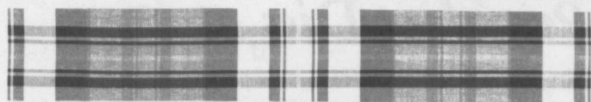
Mr. Ryan was a member of the class of 1925 at the University.

Dr. Dunlap joined the CMU faculty in 1967. He received his B.S., M.S., and Ph.D. degrees from the University of Michigan and served for one year as a Research Staff Assistant for General Dynamics before coming to CMU.

This year he was one of the leaders in the development of a new curriculum at CMU which will enable undergraduates to work toward a B.S. degree in engineering and public affairs. Dr. Dunlap is co-director of the program which will emphasize courses in mathematics, engineering, physical sciences, quantitative social sciences, and independent interdisciplinary problem-solving projects dealing with problems in areas such as public transportation, urban housing and development, and environmental control. The first class in the new program enrolled this month.

Dr. Dunlap is the second engineering faculty member to receive the award in its eleven years of existence. Past recipients and their departments follow:

- 1961—A. Fred Sochatoff, English
- 1962—Borden P. Hoover, Mathematics
- 1963—Samuel Rosenberg, Painting
- 1964—Edwin Fenton, History
- 1965—Hugh D. Young, Physics
- 1966—Robert Rothfus, Chemical Engineering
- 1967—Oleta Benn, Music
- 1968—Beckman W. Cottrell, English
- 1969—Richard Moore, Mathematics
- 1970—James Korn, Psychology



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

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TRI, Canadians Conduct Joint Alaska Oil Study

The Transportation Research Institute and the Canadian Institute of Guided Ground Transport are involved in a joint study of a railroad corridor for transportation of Alaskan oil across Canada.

"A Trans-Canada Alaska resource railway would be one of the largest transportation projects of the century," said Richard A. Rice, professor of transportation engineering in Carnegie Institute of Technology.



Professor Rice

Preliminary research by Prof. Rice and a group of students last term led to initiation of the joint effort several months ago.

The purpose of the railroad would be to move Arctic oil to the U. S. and Canadian markets at volumes competitive with pipeline volumes, according to Prof. C. E. Law, director of the Canadian Institute at Queen's University, Kingston, Ont.

"The joint task is to determine costs," Prof. Law pointed out. "Thus far, from the preliminary studies, they appear to be on the same general order as pipeline costs."

The study is also concerned with ecological and environmental factors, and benefits related to a railroad corridor.

James P. Romualdi, director of TRI, stated that the results of preliminary studies "tend to encourage us even further about the viability of a number of ground-based alternatives to the Trans-Alaska pipeline and tanker proposals."

The researchers noted the use of resource railways in other parts of the world and said that when by late last year the cost of the proposed Trans-Alaska pipeline had escalated, it became apparent that rail or land-based systems might be competitive alternatives.

Rice, a transportation economist who has been at Carnegie-Mellon since 1969, was one of the earliest advocates of the piggy-back rail freight concept, the double-deck railroad car for shipment of automobiles, and the air-coach service. He is former director of research for Greyhound Corporation, and has taught at Princeton University.

Widow of CMU's Third President Dies at 87

Mrs. Pearl M. Doherty, widow of Robert Ernest Doherty, died July 28 in Winter Park, Florida. She was 87 and in good health until she suffered a severe stroke on July 26 from which she did not regain consciousness.

Robert Ernest Doherty was president of Carnegie Institute of Technology from 1936 to 1950.

News of Mrs. Doherty's death was received by President Stever from her son James A. Doherty who wrote in his letter—"From the time of my father's retirement in 1950, she maintained great interest in the activities and progress of Carnegie-Mellon and had fond and proud memories of her association with the University and its people."

Burial was August 7 in the family plot at Clay City, Illinois, where Dr. Doherty is also buried.

Three Department Heads Named

New department heads have been named in history, economics, and computer science.

Ludwig F. Schaefer, a scholar of European history and a member of the CMU faculty since 1957, has been promoted to full professor and named the new chairman of the department of history. Both appointments were effective September 1, 1971.

Lester B. Lave, professor of economics and a member of the CMU faculty since 1963, has been appointed head of the department of economics.

Joseph F. Traub, former Bell Laboratories computer scientist and mathematician, and professor at the University of Washington, has been appointed head of the department of computer science and professor of computer science and mathematics.

Dr. Schaefer, 47, joined the CMU faculty as an instructor in 1957, was promoted to assistant professor in 1959 and associate professor in 1965. Before coming to CMU he taught history at the University of Tennessee, Yale University, and the University of Connecticut.

He is a contributor to, and co-editor of, two widely used history textbooks on western civilization. Dr. Schaefer was a co-director of the CMU Cooperative Program in History, a recent program for history teachers at small, developing colleges.

Dr. Schaefer received his A.B. from Dartmouth, his A.M. from Harvard, and his Ph.D. from Yale. He is a member of Phi Beta Kappa and the American Historical Association.



Professor Schaefer



Professor Lave

Dr. Lave, 32, joined the CMU faculty in 1963 after receiving his Ph.D. in economics from Harvard University. He has been a consultant to the Systems Analysis and Research Corp., The RAND Corp., the Department of Defense, and has been involved in numerous studies and conferences concerning urban transportation, hospital management, and air pollution.

Dr. Lave did his earlier work at Reed College and Massachusetts Institute of Technology. He is a member of Phi Beta Kappa, the American Economic Association, the American Farm Economic Association, the American Statistical Association, the Economic History Association, and the Econometric Society.



Professor Traub

Dr. Traub, 39, came to Carnegie-Mellon from the University of Washington, where since 1970 he has been professor of computer science. Earlier he was with Bell Laboratories, serving in the Mathematics Research Center during 1959-65 and then as supervisor of numerical mathematics research in the Computing Science Research Center during 1969-70. In 1966 he was visiting associate professor of computer science at Stanford University. During 1967-70 he also served as Adjunct Professor of Mathematics at Stevens Institute of Technology.

He is a consultant for the National Center for Atmospheric Research in Boulder, Colo., the Lawrence Radiation Laboratory, Livermore, Calif., and the International Mathematical and Statistical Libraries, Inc., Houston, Texas. Traub received his Ph.D. in applied mathematics from Columbia University in 1959.

'Social Accounting' Theme of Benjamin Fairless Lectures

The head of a public utilities combine will examine concepts of "social accounting" when he delivers the 1971 Benjamin F. Fairless Memorial Lectures here this fall.

Eli Goldston, president of Eastern Gas and Fuel Associates, will present three talks on "The Quantification of Concern—Some Aspects of Social Accounting" in Skibo Ballroom, Tuesday, Wednesday and Thursday, Nov. 9, 10, and 11.

All the lectures will begin at 5:30 p.m.

The first lecture is entitled "Social Indicators—National Goals Beyond GNP." The second one, "Social Responsibility—Business Purposes Beyond Net Profit." The final talk will be on the "Social Audit—Qualities Beyond Calibration."

Mr. Goldston, whose organization is headquartered in Boston, Mass., became president in 1962 and is chairman and a director of 16 subsidiaries. He joined Eastern as executive vice president and trustee in 1961 after it acquired a Cincinnati company of which he was president. At the time of the acquisition he was also a partner in a Cleveland law firm.

Goldston is a director of The First National Bank of Boston, First National Boston Corporation, Raytheon Corporation, John Hancock Mutual Life Insurance Company, Algonquin Gas Transmission Company, and Arthur D. Little, Inc.

He has served on various governmental committees and commissions, and has been active in civic, welfare, and cultural groups, including the Boy Scouts of America, the Boston-Kyoto Sister City Committee, the Afro-American Center of Fine Arts, Boston Museum of Fine Arts, and Combined Jewish Philanthropies. He is a director of the Boston Urban Foundation and Opportunity Funding Corporation, and was campaign chairman for the 1970 Massachusetts Bay United Fund. He is also a director of the National Bureau of Economic Research, Hebrew Union College, and the New England Aquarium, and is a member of the American Law Institute and the American Academy of Arts and Sciences.

Born in Akron, Ohio in 1920, Goldston attended public schools in Warren, Ohio, and went on to Harvard University, where he earned an A.B. degree in 1942, an I.A. in 1943, an M.B.A. in 1946, and his L.L.B. in 1949. He also holds honorary degrees from Babson College, Bates College, and Boston College. During World War II he was an officer in the U. S. Navy.

The executive, who serves on visiting committees at Carnegie-Mellon's Graduate School of Industrial Administration, and at Massachusetts Institute of Technology and Harvard, has lectured at these and other universities, and at the Salzburg Seminar in American Studies in Austria. Last year he delivered the Diebold Lecture at Harvard Graduate School of Business.

Goldston is married to the former Elaine Friedman of Brookline, Mass. They have two children.

The lecture series, presented in commemoration of the former president and board chairman of the U. S. Steel Corporation, brings outstanding authorities in a variety of fields to campus annually for talks on topical subjects.

Previous lecturers include David E. Lilienthal, John J. McCloy, Dr. Andreas G. Papandreou, Dr. Arthur F. Burns, Dr. Theodore O. Yntema, Dr. Gabriel Hauge, and Dr. Abram Bergson.

CMU Team Developing Air Pollution Game

A computer-based air pollution game which may be used to aid a variety of undergraduate programs in colleges and universities around the U. S. is being designed here under a \$25,000 grant from the Esso Education Foundation.

Heading the project is Matthew J. Reilly, associate professor of chemical engineering. Assisting are Anthony S. Walters, assistant dean of the School of Urban and Public Affairs, and a team of undergraduate students.

The game, which is expected to be developed by the end of the year and made available to schools around the nation, will be applicable to undergraduate courses dealing with environmental problems. Students from many disciplines—engineering, economics, urban studies, and others—will be able to use the game to solve simulated air pollution problems. The game will serve as a supplement to classroom instruction and visits by professionals from air pollution control agencies and related industries.



Professor Reilly

According to Dr. Reilly, the game will enable students to learn more about the complexities of air pollution problems and become better equipped to deal with them.

"After grappling with the complexities of a simulated air pollution problem and devising a satisfactory solution," he says "students will be much better prepared to tackle a real problem and learn from industrial and regulatory personnel."

He points out that students need to learn that solutions to complex environmental problems are attainable but require expert planning, organization and analysis, and that air pollution problems involve technology, health, law, economics, and the resolution of conflicts among sectors with diverse values, interests and aims.

"But," he notes, "the traditional classroom lecture must be augmented if we are to meet these instructional objectives. The air pollution game is one way of doing so."

Students, who will assume roles as members of air pollution boards, emission sources, and citizen groups, will play the game by first designing an alert warning system for the avoidance of acute air pollution "episodes." When confronted with a set of adverse meteorological conditions simulated by the computer, the players will activate the alert system. The computer will report the resulting air quality with associated costs and benefits, and the students will evaluate the strengths and weaknesses of the simulated performance. Faculty members and pollution control members will assess the performance also.

Development of the game, Dr. Reilly says, is being carried out with the aid of undergraduate students, who test and modify preliminary versions. He adds that the game is a forerunner of the types of innovations expected to come out of Carnegie-Mellon's proposed Environmental Studies Institute.

Funding for the air pollution project is part of a total \$100,000 award by Esso to four major universities for the improvement of undergraduate education in the U. S. Also receiving \$25,000 each were Harvard University, Massachusetts Institute of Technology, and George Washington University.

"Carnal Knowledge" Defines An Era

One shot, that's destined to become a classic, and one among many in the movie, *Carnal Knowledge*, is of Ann-Margaret sitting in bed in front of a blank wall, bemused, staring. The shot lasts forever, and the longer it holds, the more it dawns on you what an incredibly full, soft, gentle, emotional life is locked away inside the brainless, *Playboy*-cover bedmate Ann-Margaret plays. Her performance is one of the miracles of this miraculously brilliant film.

Written by Jules Feiffer in spare, contracted style, and directed by Mike Nichols in even leaner style, the film condenses thirty years in the sexually almost-motionless life of two college studs—Jack Nicholson and Arthur Garfunkel—and packs tragic sermon and parable into its severely, but intentionally, limited field of vision.

Like *Easy Rider* and *Bonnie and Clyde* of the '60's, and Nichols' own *The Graduate*, *Carnal Knowledge* is one of those landmark movies that defines an era in American film art. Backing away from the euphoric dream-along-with-me romanticism of *Easy Rider*'s style, Nichols in this one uses incredibly spare set-ups, intense visual economy and precision; and Feiffer writes totally concentrated scenes, every lined pared to the bone, and constructs a story so naked of development as to be plainly diagrammatic. Four women come into range of Feiffer's 30-year odyssey, ostensibly about two guys on the prowl. And in four sequences, the non-momentum of thirty years of sexual non-accommodation is brutally, and knowingly defined.

Nichols works with six actors—no one else appears in the film—and he exhibits what he's exhibited before: his ability to catch superb performances out of all of them. But the achievement of this film goes beyond his others. *Carnal Knowledge* is a tragic, intensely perceptive, extraordinarily literate and beautifully crafted film.

... Leon Katz

Biologists To Share Dickson Award

The second annual Carnegie-Mellon University Dickson Prize in Science will be shared by Professor George E. Palade, of Rockefeller University, and Professor Keith R. Porter, of the University of Colorado, for their outstanding work in cell biology.

The prize winners will receive \$5,000 each and a bronze medal. Both Professors Porter, who is chairman of the department of cellular, molecular and developmental biology at the University of Colorado, and Palade, who is with the department of cell biology at Rockefeller University, will give guest lectures during their visit to the CMU campus for the award ceremonies. Dr. H. Guyford Stever will present the awards Nov. 30.

The Dickson Prize in Science was established in 1969 by the estates of the late Dr. Joseph Z. Dickson of Mt. Lebanon, Pittsburgh, and his wife, Agnes Fischer Dickson, to reward persons who have contributed outstandingly to the field of science in the United States. Carnegie-Mellon selects the winners. Dr. Dickson, who was a practicing physician and surgeon in Pittsburgh for 61 years, died in 1954. Mrs. Dickson, a nurse, died in 1966.

The first recipient of the Prize, in 1970, was Dr. Richard Bellman, professor of mathematics, electrical engineering, and medicine at the University of Southern California.



Many smaller foundations are finding it difficult to operate under the Tax Reform Act of 1969 with its imposition of:

- an excise tax on earnings
- required annual payout levels
- increased administrative and reporting requirements

Among alternatives being considered by some foundations is the transfer of assets to Carnegie-Mellon University. This is permissible under the law and can enable the donors to achieve many of the foundation's original objectives without the restrictions cited above.

The University invites inquiry from foundation representatives about the opportunities at Carnegie-Mellon University. Questions may be directed to:

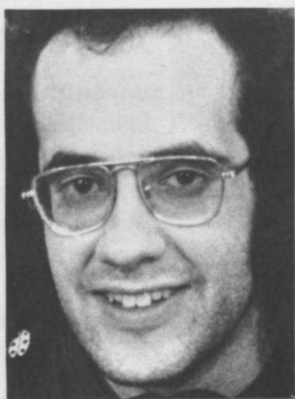
Robert M. Barr

Director of Development

Carnegie-Mellon University

5000 Forbes Avenue

Pittsburgh, Pennsylvania 15213



Writer, Director John-Michael Tebelak

"A Work That Believes In God... And People... And Possibility"

The place is the Cherry Lane Theater, off Seventh Avenue in Greenwich Village. The capacity is 220 and every seat is filled except now the audience is standing to applaud and bravo the cast of a rock musical called GODSPELL, a play written and directed by John-Michael Tebelak for his master's degree at Carnegie-Mellon University, first performed by Carnegie-Mellon drama students, many of whom are still in the cast, in the experimental theatre on the CMU campus.

What is GODSPELL, from the archaic spelling of gospel, all about? It's about Jesus Christ and John the Baptist, the Good Samaritan and the Prodigal Son and the adulteress who was saved from stoning. It's the Sermon on the Mount and the many parables recorded by St. Matthew. And in the end it's the Last Supper and the Crucifixion.

The cast of GODSPELL numbers ten, all young performers, eight of them CMU students or graduates. Dressed as clowns they employ mime, magic, song, dance, charade, clowning and children's games to dramatize the Gospel. It is effective, it is moving, and it is a smash hit.



The GODSPELL cast

The New York Post called it "good, a thing of joy, youth joy . . . what they have done is make a musical and a circus, a clown show, a magic show, a game show . . . At their best, it is impossible to dislike any of them and their GODSPELL is going to be a big, big hit."

The New York Daily News hailed it as "innovative in its warmly humorous handling of a serious subject . . . This is a loving show."

Although not particularly liked by New York Times critic Clive Barnes he did write that the cast "reenact parables and scenes from Jesus' life with manic energy and great good nature."

The New Yorker acclaimed it as a "touching, resourceful celebration of theatre itself." Time magazine wrote "GODSPELL . . . suggests what the best of medieval morality plays must have been like."

The Associated Press called it "the liveliest Sunday School in town;" Cue, "quite fresh and charming;" and the Village Voice said the "musical numbers deserve hosannahs."

The July 8 Today Show was devoted to a discussion of GODSPELL and presentation of musical numbers and scenes.

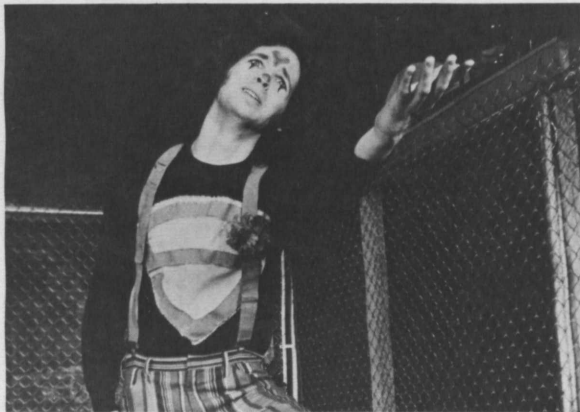
Stephen Schwartz, a '68 graduate, composed the music and lyrics for the off-Broadway production and won the Drama Critics award for his score. Susan Tzu, a CMU drama student, did the costumes and also won the Drama Critics award.

Other CMU dramats connected with the production are Joseph Beruh, '50, a producer, Charles Haid, '68, associate producer, Lowell B. Achziger, lighting, and Nina Faso, '70, stage manager.

CMU students in the cast are Peggy Gordon, David Haskell, Robin Lamont, Sonia Manzano, Gilmer McCormick, '69, Jeffrey Mylett, Stephen Nathan, '70, and Herb Simon, '68.

GODSPELL was originally performed in the Studio Theater on the CMU campus on December 14, 1970. The reaction of faculty and students was so enthusiastic that Tebelak approached La Mama Theater about a New York production. It was accepted and the production was presented in March, 1971. It opened at the Cherry Lane May 17. Since then a Cleveland Company has been formed and will appear at the Great Lakes Shakespeare Festival directed by Larry Carra, professor of drama, and the formation of a London Company is underway.

All of the cast are good but Stephen Nathan as Jesus, a very young Jesus, with long black hair, painted face, striped trousers, red suspenders, and superman shirt is particularly appealing.



Stephen Nathan (as Jesus)

All of the music is good, too, ranging from rock, to country, to blues, but a soft shoe by Jesus and John the Baptist to "All for the Best," the company singing "Day by Day" and "By My Side" (the lyrics of the latter by CMU student Jay Hamburger), "Turn Back O Man" beautifully sung by Sonia, and the rousing finale of the first act when the audience is invited to the stage to share the wine are outstanding.

GODSPELL, a complete CMU production, is a success with the critics, the clergy, the youth and the adults.

As Jerry Tallmer wrote in the New York Post, "GODSPELL is a work that believes in God—and people—and possibility," and it is likely to be around for a long run. (As the paper went to press, it was learned GODSPELL has moved uptown to the Promenade Theater, Broadway at 76th.)

Waste Management Problems Subject of Buhl Conference for '71

Some 200 engineers and scientists are expected to attend the fourth Buhl International Conference on Materials here in November for a round-up of what's new in the field.

Highlighting the conclave in Mellon Institute of Science Nov. 16-18 will be a session on possible solutions to some waste management problems.

The conference, sponsored by Carnegie-Mellon with the support of the Buhl Foundation of Pittsburgh, will also hear talks by experts from industry, universities, and government on new developments in metals, glass, ceramics, polymers, electrical materials, processing techniques, applications in design, and materials resources.

Among the guest speakers during the three-day meeting will be Donald L. Baeder, vice president for corporate and government research for Esso Research and Engineering Company. He will talk on "Molecules, Materials, and Men: Training the Research Engineer for the Coming Era of Knowledge," at a banquet on opening day.

Visiting speakers will include M. E. Shank, manager of materials engineering and research, Pratt Whitney Aircraft Company; George E. Dieter, dean of engineering, Drexel University; Gail P. Smith, director of Technical staff services, Corning Glass Works; Eric Baer, head of the division of macromolecular science, Case-Western Reserve University; Gordon E. Moore, executive vice president, Intel Corporation; Harvey C. Nathanson, manager, junction device physics, and Albert G. Fisher, Westinghouse Electric Corporation's Research and Development Center; D. W. Rabenhorst, Applied Physics Laboratory, Johns Hopkins University; Jack C. Bokros, Gulf Electronic Systems; Glenn Alliger, research director, Firestone Tire and Rubber Company; Maurice Morton, director, Institute of Polymer Science, University of Akron; L. John Minnick, vice president, research, G. and W. H. Corson Company, Inc.; E. J. Dulis, managing director, Materials Research Center, Crucible, Inc.; R. F. Vokes, vice president, The Black Clawson Company; Alan A. Johnson, chairman, materials science and engineering, Washington State University; Paul G. Shewmon, director, materials science division, Argonne National Laboratory; Hudson B. Drake, deputy assistant secretary and director of the Bureau of Domestic Commerce, U. S. Dept. of Commerce; John B. Schroering, director of research and development, Industrial Services of America, Inc.; K. Mukherjee and Michael S. Walk, department of physical and engineering metallurgy, Brooklyn Polytechnic Institute; R. J. Thompson, senior project engineer, Armco Steel Corporation; and, from the University of Missouri: Ward R. Malisch, associate professor of civil engineering; D. E. Day, associate professor of ceramic engineering, and B. G. Wixson, associate professor of environmental health.

Participants from Carnegie-Mellon will be Angel G. Jordan, professor and head of electrical engineering; Harold W. Paxton, professor and head of metallurgy and materials science, associate dean for research in Carnegie Institute of Technology and associate director of the Processing Research Institute (PRI); James P. Romualdi, director of Transportation Research Institute; Stephen L. Rosen, associate professor of chemical engineering; Robert W. Dunlap, assistant professor of metallurgy and materials science; Edward M. Krokosky, professor of civil engineering, and John C. Purcupile, associate professor of mechanical engineering.

Milton C. Shaw, professor and head of mechanical engineering at Carnegie-Mellon and director of PRI, is chairman of the conference.

President H. Guyford Stever will deliver a welcoming address.

The Buhl Conferences, established to promote the exchange of knowledge and ideas in the materials field, began in 1963. The second conference was held in 1966 and the third conference in 1968.

Limbach Foundation Gives \$100,000 For Programs in SUPA

The Limbach Foundation has established a \$100,000 Emil Limbach Fund for special programs in the School of Urban and Public Affairs (SUPA).

The endowment, named in honor of the 1912 alumnus of Carnegie-Mellon who is chairman of the board of the Limbach Company, a mechanical contracting firm with headquarters in Pittsburgh, provides support for seminars for governmental and quasi-governmental managers, fellowships, visiting lectureships, publications, and other programs.

The development of mid-career training programs for urban and public affairs professionals is of major interest today.

The Foundation granted an additional \$5,000 for use during the current year.

Mr. Limbach has long been active in urban and public affairs. Founder in 1954 of the North Side Civic Development Council, Inc., and first planning chairman and former president, he is credited with leadership in the presentation and promotion of original proposals for redevelopment of that area. The proposals have led to development of the Allegheny Center, the Chateau West-Woods Run Industrial Park, low cost housing, to site selection of the main campus of the Allegheny County Community College and the Three Rivers Stadium, and to routing of the interstate highway system through the North Side.

Mr. Limbach is a former director of Action-Housing, Inc. and the Pittsburgh Regional Planning Association. In 1967 he and his wife were the recipients of the Isabel P. Kennedy Award of the Health & Welfare Association of Allegheny County for notable contributions to the city's welfare.

SUPA, established in 1968 as a graduate school with programs leading to an M.S. for professionals and a Ph.D. for research, has already presented a visiting lectureship under the endowment. Dr. Richard Royce, staff director of the Committee on Public Works, U.S. Senate, delivered a series of lectures on senatorial legislative processes. The talks are being edited in collaboration with Robert Shellow, professor of urban processes, SUPA, for possible publication in an Emil Limbach Lecture Series.

Limbach Company has operations and plants in Boston, Columbus, Hartford, Pittsburgh and Washington.

Admissions Gets New Director

A new director of admissions has been named following appointment of the former head to a deanship in engineering and sciences.

William F. Elliott has succeeded Robert W. Sickman as director of admissions.



Dean Sickman

Dr. Sickman, who has headed the admissions office for the past year, was appointed associate dean of undergraduate studies for Carnegie Institute of Technology and the Mellon Institute of Science.



Mr. Elliott

Mr. Elliott has been associate director of admissions since last September, when he came to Carnegie-Mellon from Worcester Polytechnic Institute (WPI). He was assistant director of admissions at WPI for four years.

He holds a B.S. degree in mechanical engineering from WPI, an M.A. in guidance and counseling from Clark University, and is a member of the National Association of College Admissions Counselors.

Dr. Sickman, former assistant dean for freshmen here, and lecturer in chemistry, came to Carnegie-Mellon in 1966 from Massachusetts Institute of Technology, where he earned a Ph.D. degree in organic chemistry in 1965 and then became a research associate. He received a B.S. degree from the University of Pennsylvania in 1960.

Dr. Sickman is a member of the American Chemical Society, and the American Association for the Advancement of Science.

Chairman Named To Guide Expanded Alumni Annual Giving Program

Logan T. Johnston, E'23, Chairman of the Development Committee of the Board of Trustees, has announced that Mr. David M. Schmid, E'39, has accepted the National Chairmanship of the 1971-72 CMU Fund. Mr. Schmid, an Alumni Trustee of the University, served as an Eastern Regional Vice Chairman in the Fund for Distinction Campaign. He is Chairman of the Board and Treasurer of the Techalloy Company, Inc., headquartered in Rahns, Pennsylvania.



Mr. Schmid

During the Fund for Distinction, Mr. Schmid challenged his fellow Philadelphia Clan members to reach their \$100,000 goal by pledging to match the goal if they achieved it. The goal was achieved and matched lifting the total Philadelphia Clan contribution over the \$200,000 mark.

Commenting on Mr. Schmid's acceptance of the CMU Fund Chairmanship, Mr. Fred C. Foy, Chairman of the Board of Trustees, stated "We are most pleased to have Dave Schmid as the first chairman of the CMU Fund. The leadership and commitment he demonstrated during the Fund for Distinction have been important ingredients in the success of the alumni phase of the campaign. Under Dave Schmid's leadership, I am confident the new CMU Fund will have a successful year."

The CMU Fund was created by the Board of Trustees in May of this year. The Fund will continue the long tradition of alumni support established by the Alumni Annual Giving Program. In addition to alumni, trustees, parents, and friends will be asked to make annual gifts to the University. The purpose of the CMU Fund is to expand and significantly strengthen the annual support of the University's program.

The 1971-72 campaign will run throughout the fiscal year, July 1, 1971-June 30, 1972. Alumni who

are completing Fund for Distinction pledges during the year will not be asked to participate.

Alumni CMU Fund gifts will count toward the \$4 million alumni goal in the Fund for Distinction capital gifts campaign. Through mid-August, 1971, CMU alumni have pledged over \$3,252,000 toward the \$4,000,000 goal.

Chairman Schmid is in the process of enlisting important alumni and parent leadership for the 1971-72 CMU Fund. Announcement of the 1971-72 leadership will be made this month in the CMU Fund information leaflet.

CMU Group Brings Live Theater To Pittsburgh Parks

(Continued from Page 5)



Eight Faculty Members, Two Administrators, Retire

Eight faculty members and two administrators, with a total of 322 years of service, retired at Carnegie-Mellon this year.

Retirees are: George K. Brown, special assistant to the president and former dean of student affairs; Alberta Dodson, associate professor of design; Frederick Dorian, professor of music; Martha P. Eggers, associate professor of biology and acting head of the department of biological sciences 1967-71; Dorothy M. Kanrich, assistant professor of physical education; David S. McKinney, professor of chemistry; David Moskovitz, professor of mathematics; Doris E. Myers, professor of textiles and clothing; Mary T. Scarlott, library collections consultant and former associate librarian; and Edith W. Skinner, Andrew Mellon Professor of Drama. All retired with emeriti titles.

Dr. Brown joined the CMU administration in 1958 as dean of student affairs and in 1968 was appointed special assistant to the president. A long-standing member of the National Association of Personnel Administrators, he held several committee chairmanships in the organization and membership on its Executive Committee.

He did his undergraduate work at the University of Alabama, holds a master's degree from the University of Virginia, and a Ph.D. degree from the University of Pennsylvania.

Miss Dodson came to CMU in 1947 as assistant professor of home economics. She has been a member of the American Home Economics Association, the Home Fashions League, and the American Association of Housing Educators. At CMU she was a member and officer of many campus committees. She received her B.S. degree from Iowa State College and her master's degree from Teachers College, Columbia University. She also did graduate work at Cornell and the University of Illinois.

Dr. Dorian became a member of the CMU music faculty in 1936 as an assistant professor of music. His book *Commitment to Culture* is regarded as having favorably influenced Congressional passage of the Arts and Humanities Bill of 1965. He was invited to the signing of the Bill at the White House and received one of the pens used by President Johnson in the ceremony. The eminent teacher and musicologist also wrote *The History of Music Performance* and *The Musical Workshop*, as well as contributions to the *Encyclopedia of Arts* and numerous scholarly journals and magazines. A native of Vienna, Dr. Dorian received his Ph. D. from the University of Vienna in 1926.

After receiving her bachelor of science degree from CMU in 1926, Miss Eggers joined the CMU faculty as an assistant instructor, and has served a total of 45 years at Carnegie-Mellon. She was acting head of the department of biological sciences from 1967 to 1971. She received her master's degree from the University of Pennsylvania and did further graduate work at the Harvard Medical School, the University of Wisconsin, Allegheny College, the University of Pittsburgh and Carnegie-Mellon. Miss Eggers served as a member and officer of many faculty committees.

Miss Kanrich taught physical education at CMU for 41 years, 1930-71. She has been listed in *Who's Who of American Women* and participated extensively in professional health and physical education activities. Among awards of recognition she has received is a professional honor award from the Pennsylvania State Association for Health, Physical Education and Recreation. She received her bachelor of arts degree from Radcliffe College, an M. Litt. in Science from the University of Pittsburgh, a diploma from the New Haven School of Physiotherapy, a Certificate in Hygiene and Physical Education from Wellesley College and a Cer-

tificate of Advanced Graduate Study in Health Sciences from Boston University.

Professor McKinney joined the CMU faculty as a full-time instructor in chemistry in 1936. He served as associate head of the department of chemistry from 1962 until his retirement. Among various faculty committee positions, he was the first chairman of CMU's committee on the use of radioactive materials and in 1940 served on the faculty defense committee. Dr. McKinney has written numerous articles for professional publications and holds several professional memberships. He received his B.S. degree in chemical engineering and his D.Sc. in physical chemistry from CMU.

In his 46 years with the mathematics faculty, Dr. Moskovitz has served twice as acting department head, and also as associate and assistant department head. He is co-author of several mathematics textbooks, has published articles in leading professional journals and has held memberships and offices in several professional associations. He received the Carnegie Teaching Award in 1952. Professor Moskovitz received his bachelor and master's degrees from CMU and his Ph.D. degree from Brown University.

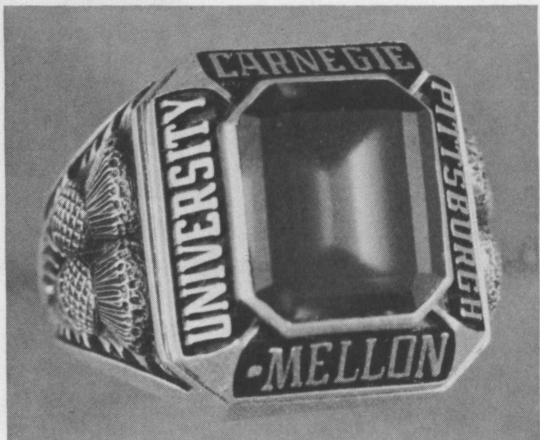
Doris Myers first joined CMU as a costumiere in the drama department, 1924-28. She returned to CMU as an assistant professor in 1943 and has remained here since. Recognitions of her professional achievements include Pittsburgh Woman of the Year Award in 1958; a Citation by Syracuse University; the CMU Alumni Merit Award; and a Fulbright Award to Paris to lecture and serve as consultant in consumer education in textiles and clothing. Professor Myers received her bachelor of science degree from Carnegie-Mellon and her

M.A. degree from Columbia University. She also did graduate work at the University of Pittsburgh, Penn State, New York University and the University of Wisconsin.

Mary Scarlott joined the CMU library staff in 1949 as an assistant circulation librarian. She subsequently held positions as head reference and circulation librarian and assistant librarian in charge of Readers' Service. She has served as librarian at the Carnegie Library of Pittsburgh and executive secretary at the Carnegie Library School. Mrs. Scarlott received an A.B. degree from the University of Arizona and a bachelor of science degree from CMU.

Edith Skinner, who joined the CMU drama faculty in 1937, began her career in educational theater in 1920 as head of the dramatic arts department at Beechwood School for Girls (now Beaver College). She has taught voice, diction, and speech at the Leland Powers School of the Theater, the Packer Collegiate Institute, the Cornish School of the Drama, and New York University. Mrs. Skinner has been guest coach at repertory theatres around the nation, including the Tyrone Guthrie Theater, the Association of Producing Artists (APA), Huntington Hartford Theater and the American Conservatory Theater. Mrs. Skinner holds a diploma from the Leland Powers School, and B.S. and M.A. degrees from Columbia University.

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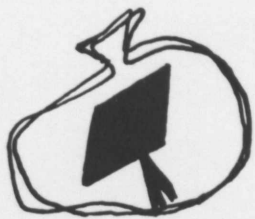
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Grad bag

Eminent Puppeteer

Nancy Cole, A '56, offered two special courses in puppetry this summer with the American Conservatory Theatre in San Francisco. Miss Cole has gained an international reputation as a puppeteer, having given shows all over the United States and in Europe. She taught puppetry at New York University, and several of her creations are on permanent display at the Museum of the City of New York.

She created the animation for CBS' on-the-air simulations of the Gemini Four space shot coverage, and she's made puppets for scores of network TV commercials.

Miss Cole, who is greatly interested in puppetry as adult entertainment, has her own puppet theater, the "Theater of the Little Hand," which she opened in New York City in 1960, and which includes productions for adult audiences.

Book By '71 Grad

Lloyd Mallan, A '71, has written a book describing the evolution of the space suit. *Suiting Up for Space* was published this summer by The John Day Company. In addition to tracing the development of the space suit to the present, Mr. Mallan, who took a master's degree in playwriting at CMU, also projects possible space attire and equipment of the future.

ACS Award

Dr. Frederick D. Rossini, E '25, has received the 1971 Priestley Medal, awarded by the American Chemical Society (ACS) in recognition of distinguished services to chemistry. The Medal commemorates the work of Joseph Priestley, 18th century English chemist and the discoverer of oxygen. Dr. Rossini, professor of chemistry at Rice University, delivered his Priestley Medal address in March at the national ACS meeting in Los Angeles.

Missouri Art Show

Louise Miller Boyer, FA'13, exhibited oils, encaustics, silk wall hangings, and enameling on metal at an art show this spring at the Country Gallery in Parkville, Mo. Mrs. Boyer graduated in the first class in painting and design at CMU and also studied in Europe. Among her commissioned works are the interior design for Sacred Heart Church in Pittsburgh, safety trophies for the Aluminum Company of America, and the Dupont Memorial Soaring Trophy. She and her daughter, Helen King Boyer, are represented in permanent collections of the New York Metropolitan Museum, Carnegie Museum in Pittsburgh, and the Library of Congress. Mrs. Boyer is listed in "Who's Who in American Art" and the British publication "2,000 Women of Achievement in the World."

Princeton Clan Gift

The Princeton Clan of Carnegie-Mellon University has given a harpsichord to the University's music department.

The new instrument will be used in teaching and in the performance of music of the Baroque period by faculty, students, and guest artists.

"The harpsichord is a valuable addition to the teaching and performance instruments of the music

department," Chauncey Kelley, assistant head of the department, said. "It is a fine and beautiful instrument and an excellent example of present day American craftsmanship. We are grateful to the Princeton Clan for this gift."

The harpsichord was especially constructed for CMU by Christopher Bannister at his shop in Hopewell, N. J.

Chip Croquet

Harold A. Thomas, emeritus professor of civil engineering, has invented and patented a new game called Chip Croquet which combines some aspects of golf with croquet. It is now being manufactured and is being marketed through the J. C. Penney Stores and advertised on television. Professor Thomas, who was 86 last July, is the father of four CMU alumni—Harold Thomas, Jr., E'35, Charles Thomas, E'37, Katherine Thomas Bordt, MM'38 and Mary Thomas Allen, MM'40.

Thanksgiving Tour

Space is still available for the Thanksgiving Tour of Ireland. The itinerary includes Dublin, Cashel, Tipperary, Killarney, Blarney Castle, Cork, Limerick, and Shannon.

The group will attend the Abbey Theatre one evening and have a medieval banquet and entertainment at Bunratty Castle another evening.

Dates are November 20 to 27, and the price including round trip air fare from Pittsburgh, two meals a day, hotels, all tips, and taxes is \$329.

For reservations, send \$50 per person to Royal Travel Corp., 218 North American Rockwell Building, Pittsburgh, Pennsylvania 15222.

Clan News

THE CUMBERLAND VALLEY CLAN met for dinner at Schoenberger's Restaurant in Chambersburg, Pa., on Wednesday, June 16. Twenty three members and guests attended. Following dinner and an informal business meeting the group attended the comedy-drama "Southwest Corner" at Totem Pole Playhouse at nearby Caledonia Park. The theatre party is an annual treat for CMU clan members through the generosity of Bill Putch, an alumnus of the drama department and producer-director of this thriving little theatre. Mr. Putch's wife, Jean Stapleton, of film and TV serial fame starred in the play. The special admission charge of just \$2.00 per ticket was donated to the Carnegie Alumni Fund.

THE PITTSBURGH MEN'S LUNCHEON CLAN held an election meeting June 14. The following slate was unanimously voted into office for the 1971-72 season.

President, H. K. Seifers (E'30)
Vice President, W. R. Stott (E'26)
Secretary, F. H. Allison, Jr. (E'23)
Treasurer, D. J. Smyers (E'59)
1 year Director, A. W. Schillinger (PM'24)
2 year Director, J. A. Morgan (A'51)
3 year Director, W. H. Braunlich, Jr. (A'60)
Past President, A. B. Vestal (E'32)

The season's formal luncheons to be held at the Hotel Roosevelt were established as:

September 20, 1971—Athletic Luncheon
December 13, 1971—Christmas Party
April 3, 1972—Spring Party

The Clan has over a hundred names on its roster and since it holds only luncheon meetings, membership does not interfere with other district clans. Informal luncheons are held every Monday noon at a reserved table in the Hotel Roosevelt dining room. Drop in any Monday for a bite to eat and a chat with your former classmates.

THE WEST COAST DRAMA CLAN held its spring meeting, "Our Night with Edith Skinner," on March 12. Bob McCurdy, who was also able to be with us, arranged to bring Mrs. Skinner from Pittsburgh to spend a gala evening with about 90 of her former students. Despite the large group both at dinner and afterwards, it was a warm and intimate affair. Edith brought with her a tape which was made by students in the drama department. They told stories and funny anecdotes about happenings in the present. It was a delightful way to bring us a current view of people and events. This prompted a spontaneous reaction from many of the members of our audience who then got up and told their favorite Edith Skinner story. It was no longer just a meeting, but a joyful gathering of old friends, as if we had all just met by chance in the old Round Table Room.

For its June meeting the Clan staged a miniature Scotch & Soda Review.

It was a hilarious success and will probably become an annual event. The original score and lyrics were composed by C. Carson Parks who also sang with his wife several of his outstanding hit songs. Marvin Arnold (Marvin Kolatch) produced the event as well as participated in it. The rest of the cast included Al Checco, Wesley Kenney and his new wife, actress Heather North, Al Lehman, Ed Mallory and his actress wife, Joyce Bulifant, Herb Polesie, Bert Rogal and Irene Tedrow. It was a thoroughly professional job, what else?

We also recently made a count of those West Coast Drama Clan members who have received awards or were recognized during the last "Emmy Awards" program. They are: James Tritipo, Kenny Welch, Jack Klugman, Gary Smith, Bob Finkel, Bud Yorkin, Danny Franks and finally Bill Putch's wife, Jean Stapleton.

THE SAN DIEGO CLAN held a picnic in Mission Bay on Sunday, August 8.

The Clan distributes CMU pamphlets to all participants at the San Diego Science Fair. Darleen Fleury, a CMU freshman chemistry major, first heard of CMU in this manner. She lives in Poway, a San Diego suburb.

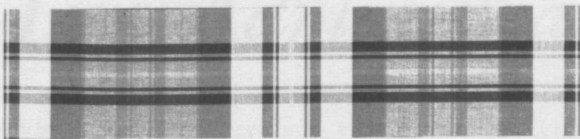
THE WASHINGTON CLAN local Board of Governors held a reception for area Freshmen who are entering Carnegie-Mellon this fall. It was held on August 22, at the home of Mr. and Mrs. John H. Davis Jr. in Bethesda, Maryland. Area sophomores and juniors and the CMAC interviewers were also invited.

Carnegie-Mellon was chosen by the American Alumni Association to receive a Merit Award. Miss Wanda Garver, of the Alumni Office accepted the award in Washington on July 20.

The following day John Howard Joynt, past president of CMU Alumni Association, hosted a luncheon for 22 at the Sulgrave Club. This was in honor of CMU staff members from the Development, Public Relations, and Alumni Officers who were visiting here. Clan officers and several local alumni also attended.

FLORIDA SUNCOAST CLAN took a boat ride to Bahia Beach on the "Point O' Woods IV" on May 16 for a social outing and a full clan meeting. Clan President Col. Ira Grande announced the new members of the Board of Governors whose terms will run from May 4, 1971 to May 4, 1972. The new members are Leonard Broida, Wilda Cook, Margaret Martz, Harry Metzler, Edna Pearson, Helen Rugg, Valentine Brandner, and Helen Kingan. New Officers were elected for the 1971-72 term. They are President, Norman Lindsay, former program chairman who arranged the boat ride; vice president, Edward C. Linn; treasurer, Harry Metzler; and secretary, Helen Kingan. Donald Rebholz, recruiting committee chairman, reported that there are now six students from the St. Petersburg area at CMU and that there will be one more next year.

YOUNGSTOWN CLAN held a dinner meeting August 12 at Courtney's Restaurant. The nominating committee reported and new officers will be elected.



Classes

'08-'19 WILLIAM M. BALL, JR. (I'11—retired as a superintendent and metallurgist in the Foundry Industry after 60 years of service. His home is in Cincinnati, Ohio.

FRANCIS KEALLY (A'12), an architect in New York for 40 years, has been honored by the National Sculpture Society for his use of sculpture in the buildings he has designed. He received the Sculpture Society's medal of honor. Mr. Keally designed the Brooklyn Public Library in collaboration with Alfred M. Githens in 1938. He designed the Concord, N. H., Library; Virginia State Library, Richmond; Joint Universities Library, Nashville, Tenn., and the American Memorial Library in Berlin. He also designed the Oregon state capitol in Salem; the Communications Building at the 1939 World's Fair; the United States Military Cemetery in Luxembourg, and the Iranian Embassy in Washington. He is a former president of the New York Chapter of the American Institute of Architects, the Municipal Art Society and the Fine Art Federation of New York. He is now a Fellow of the American Institute of Architects.

DR. PHILIP A. CONSTANTINIDES (E'18) has retired as professor of physics at the Roosevelt University, Chicago, Illinois.

JAY VANDERGRIFF HALL (E'08), a consultant specializing in the direction of corporation expansion and diversification programs, lives in Greenwich, Conn. Mr. Hall celebrated his 88th birthday this summer. He is listed in *Who's Who* (In the East).

Mrs. Catesby Jones (REGINA GRIFFIN, M'09), of Pittsburgh, died on July 10, 1971.

Mrs. Frank N. Robinson (LUCY CONNELL, M'09) died on December 15, 1970. She lived in Chautauqua, New York.

MARSHALL R. WALTON (E'09), formerly with the Arthur G. McKee and Company, Cleveland, Ohio, died March 10, 1971. Mr. Walton had made his home in Silver City, New Mexico, since his retirement in 1944.

JOHN S. CHARLES (E'10), of Medford Lakes, N. J. died March 18, 1971.

ERSKINE C. HOUSTON (I'11), of Fayetteville, Pa., died June 27, 1971.

The Alumni Office has learned of the death of Mrs. Howard C. Gulland (ELIZABETH CURTIS, M'12) on July 2, 1971. Her home was in Pittsburgh, Pa.

LAWRENCE CASTONGUAY (E'19), formerly with Pratt & Whitney Aircraft Company, Hartford, Conn., died March 25, 1971. He had retired to Boca Raton, Florida and was a Gold Coast Clan member.

WILLIAM B. CHALFANT (A'13), of Pittsburgh, died on April 20, 1971. He served as chief of the office of Hoffman, Loeffler & Wolfe, architectural firm in Pittsburgh. He retired in 1965.

The Alumni Office has been notified of the death of ROBERT G. CRAWFORD (I'13) on March 29, 1971. He was retired and lived in Melbourne, Florida.

JAMES E. WILLIAMSON (I'13), of Pittsburgh, died on January 30, 1971.

The Alumni Office has learned of the death of Mrs. I. M. Smith (VIDA SLEASE, M'14) on February 25, 1971. Her home was in Charleston, West Virginia.

WARREN W. HALL (I'15), formerly superintendent of safety with Crucible Steel Company of America, Midland, Pa., died on June 14, 1971. His home was in Roaring Branch, Pa.

LILLIAN GRIFFIN (A'16), of Pittsburgh, died on March 13, 1971.

The Alumni Office has learned of the death of CORTLAND K. WHITEHEAD (E'16) on December 25, 1970. He lived in Montebello, California.

The Alumni Office has been notified of the death of PAUL H. JONITZ (I'17) on March 8, 1971. He was retired and lived in St. Petersburg, Florida.

LEWIS H. SINGLETON (I'17) of Wilbraham, Mass., died on September 30, 1970.

HOWARD SOUTHGATE (A'18), of Winter Park, Florida, died May 14, 1971. Mr. Southgate was script writer for the Civil Service for 10 years, during which time he produced movies for the Air Force. He retired from his Civil Service job in 1962 and did freelance work. An Army veteran of World War I, Mr. Southgate did film work for the Navy during World War II. Two of the films that received recognition included "The History of the Navy" and "The Shipbuilders of Essex," which documented the building of wooden ships. Mr. Southgate taught the first course in drama at the University of Miami in 1926. He helped organize a drama curriculum and act as its director. He also was director of the Civic Theater of Greater Miami.

The Alumni Office was recently notified of the death of Mrs. MARGARET STEWART BROWN (M'19) in November 1969. Her home was in Pittsburgh.

W. F. ELLISON (E'19), of Chicago, Illinois, died on June 7, 1971. He was formerly superintendent of W. F. Hall Printing Company, Chicago.

'20 J. LOEWY HOTT (E), formerly an engineer with the Great Lakes Steel Corp., Ecorse, Michigan, died on June 14, 1971. He lived in Solvang, California.

'21 HARRY BRESS (E), formerly a partner in the Bress Stores in Pittsburgh and president of Franklin Federal Saving & Loan Assn., died April 5, 1971.

'22 GEORGE S. YODEN (E) is retired and is now living in Boothbay, Maine.

D. DEMETRIUS DIMANCESCO (I) of Hartford, Conn., is retired.

JOHN A. KENNEY (E) has retired after 48 years with Foster Wheeler Corporation, Livingston, N. J. He will remain a director of the corporation.

WILLIAM W. DARTNELL (E), a retired physics teacher, died on January 12, 1971. His home was in Fort Pierce, Florida.

'23 LOGAN J. JOHNSTON (I), chairman and director of Armco Steel Corporation, Middletown, Ohio, has retired after 45 years of service with Armco. Mr. Johnston was president of the company from 1960 to 1965 and chairman thereafter. He is a trustee of Carnegie-Mellon. He received the Merit Award and the Distinguished Achievement Award from the Alumni Association.

CHARLES N. HARWOOD (E) is still working at the consulting business which he started in 1931. He is president of C. N. Harwood & Co., located in Indianapolis. He is a specialist in the forging industry. Mr. and Mrs. Harwood have traveled extensively with visits to all of the States except two and 25 foreign countries with considerable time spent in some business combined with pleasure. From their travels they have a collection of 5,000 colored slides.

EDWIN W. ORTLOF (I) is a consultant for the Telephone Utility of Pennsylvania, Export, Pa.

The Alumni Office has learned of the death of JAMES I. BOWMAN (E) on February 12, 1971. He was a retired research engineer of the Corps of Engineers, Hendersonville, Tennessee. His home was in Cape May, N. J.

The Alumni Office has recently learned of the death of J. E. PLANTE (E) on February 6, 1971. His home was in Pittsburgh.

PAUL C. GANNON (E), Pittsburgh area singer and entertainer, died on June 27, 1971.

'24 The Alumni Office has been notified of the death of ELMER W. EASTER (E). Mr. Easter was president of Easter Marine, Inc., Coraopolis, Pa.

'25 HAROLD W. SCHAUGHENCY (A) is retired and is now living in Cranston, R. I.

MARCUS A. DONOHUE (PM), of Chicago, Ill., is a trustee for M. A. Donohue Company.



Koppes '25

WAYNE F. KOPPES (A), architectural consultant, Basking Ridge, N. J., received the American Society for Testing and Materials Award of Merit and was named a Fellow of the ASTM in June. Mr. Koppes received the award for "distinguished service and scholarship in pioneering and developing the science of construction for buildings through research and voluntary standardization." He is currently architectural consultant to, and technical writer and editor for, the National Association of Architectural Metal Manufacturers and the Architectural Aluminum Manufacturers' Association, and a free-lance technical writer.

FREDERICK D. ROSSINI (E) has moved from his position as professor of chemistry and vice president for research at the University of Notre Dame to professor of chemistry at Rice University, Houston, Texas.

Mrs. Norman C. Curtin (FLORENCE FINLAY, M), of Ft. Pierce, Florida, died on May 18, 1970.

ROSCOE S. HAYS (E), formerly architectural draftsman for Ryerson Steel Company and later an architect with Holabird-Roots Co., Chicago, Ill., died on May 28, 1971. His home was in Ingleside, Ill.

JOSEPH S. STEEN (E) a retired manufacturers' representative for Robbins and Myers, Mayno Pump Division, Buffalo, N. Y., died on November 18, 1970. He retired to Boca Raton, Florida, in 1968.

Deaths

- M'09 Mrs. Catesby Jones (Regina Griffin)
- M'09 Mrs. Frank N. Robinson (Lucy Connell)
- E'09 Marshall R. Walton
- E'10 John S. Charles
- I'11 Erskine C. Houston
- M'12 Mrs. Howard C. Gulland (Elizabeth Curtis)
- A'13 William B. Chalfant
- I'13 Robert G. Crawford
- I'13 James E. Williamson
- M'14 Mrs. I. M. Smith (Vida Slease)
- I'15 Warren W. Hall
- A'16 Lilian Griffin
- E'16 Cortland K. Whitehead
- I'17 Paul H. Jonietz
- I'17 Lewis H. Singleton
- A'18 Howard Southgate
- E'19 Lawrence Castonguay
- M'19 Mrs. Margaret Stewart Brown
- E'19 W. F. Ellison
- E'20 J. Loewy Hott
- E'21 Harry Bress
- E'22 William W. Dartnell
- E'23 James I. Bowman
- E'23 Paul C. Gannon
- E'23 J. E. Plante
- E'24 Elmer W. Easter
- M'25 Mrs. Norman C. Curtin (Florence Finlay)
- E'25 Roscoe S. Hays
- E'25 Joseph S. Steen
- A'26 W. D. Ebert
- I'27 Robert H. Snyder
- M'29 Mrs. N. W. Anderson (Dorothy Roy)
- E'29 Malcolm W. Gay
- E'31 Francis J. M. Aberle
- E'31 Charles K. Carter
- M'31 Mrs. William V. Conn (Pearle M. Goldberg)
- PM'31 William E. Fluharty
- I'31 John R. Masi
- E'31 Ralph D. Pyle
- A'32 Albert K. End
- A'32 Elmer A. Lundberg, Jr.
- E'32 William G. Young
- E'35 Clarence Y. Hays
- E'35 Samuel Jory
- M'35 Eileen M. Riley
- E'35 Eugene I. Shanor
- E'36 William T. Tucker
- E'37 Andrew F. Depken
- E'37 Marine General Keith D. McCutcheon
- E'38 Daniel R. Beech
- PM'42 John H. Tross, Jr.
- A'45 Mrs. Roy E. Sensenich (Mary Penman)
- E'46 R. G. Dragar
- M'48 Bernard Rackow
- E'49 Dr. Robert L. Hadley
- A'51 Joseph P. Krysik
- E'56 Robert D. Mourey
- E'57 William K. Julin
- A'64 Nellie C. Suzedell

'26 HENRY CHEQUER, Jr. (PM) is now retired after 43 years with Metropolitan Life, New York. He was executive in charge of the leasing and construction of the company's more than 1100 Field Offices. His home is in New Rochelle, N. Y.

YOSHIKAZU UJI (E) is a consultant for American Motors Company, Ltd. (Ford Dealer), Yokohama, Japan.

W. D. EBERT (A), owner of the W. D. Ebert Co., Cleveland, Ohio, died on July 17, 1970.

'27 Mr. and Mrs. Dick Mendenhall (FRANCES RENSHAW, L.), of Ocean City, N. J., divide their time between New Jersey and Oregon and foreign travel.

JOHN A. TILL (E) has retired from South California Gas Company after 42 years of service and has moved to Sun City, California.

JOSEPH R. EATON (I), of Pittsburgh, is retired.

E. EUGENE LAUGHLIN (E) is retired. His home is in Worthington, Ohio.

EDSON WISSINGER (I), of Pittsburgh, is retired.

A. JOSEPH VERALDI (E) retired from West Penn Power Company after a career of nearly 44 years with the utility firm.

ROBERT H. SNYDER (I), a partner of the law firm of Dimmock, Snyder & Van Patten, New York City, died on April 15, 1971. Mr. Snyder had been active in Goodwill Industries of Greater New York for many years and had been a director since 1942. He was elected president in 1959 and chairman of the board of directors in 1967. He was also a director of the Manhattan Eye, Ear and Throat Hospital. He was a member of the Metropolitan Opera Association and had been chairman of the executive committee of the Metropolitan Opera National Council since 1967. He belonged to the University Club and to the Metropolitan Opera Club, of which he was a former president.

'28 DOROTHY H. KANTNER (M) is presently a columnist and writer for the *Somerset Daily American*, Somerset, Pa. She was art critic 25 years for the now deceased *Pittsburgh Sun-Telegraph* and a feature writer for the *Post-Gazette* for one year and a half.

BENJAMIN M. WEDNER (I), senior project engineer, Gulf Research and Development Company, Pittsburgh, was elected to Fellow of ASME.

J. RUSSELL BRODBECK (I), of Ellwood City, Pa., was honored at a retirement dinner given by the employees at Mathews Conveyor Company. Mr. Brodbeck was with the company for over 42 years. In 1954 he became chief engineer, a position he held until the present.

'29 Mrs. Edward Ciriacy (HELEN WARD, M), of Aliquippa, Pa., is a retired teacher.

JOSEPH M. LAZIER (I), formerly in the construction business for over 30 years, has now retired. Mrs. Lazier (GERTRUDE TWIG, M'38) has also retired as secretary on the computer science department at Carnegie-Mellon. Their new address is Golden Surf Towers, 137 Golden Isles Drive, Hallandale, Florida 33009.

Mrs. N. W. Andersen (DOROTHY ROY, M), of Liberty, Missouri, died on April 22, 1970.

MALCOLM W. GAY (E), a retired instrument engineer in the Geophysical Research Division of Gulf Research and Development Company, Harmarville, Pa., died on March 17, 1971. His home was in Oakmont, Pa.

'30 RAYMOND C. POULSEN (I) has been elected chairman of the Board of the James T. Kay Company, Inc., Meriden, Conn. Mr. Poulsen has been with the company since 1938. He spent 7 weeks in Scandinavia this summer.

HOWARD Y. DOWHOWER (I), of Kensington, Pa., is now retired.

RAY POWELL (E) has been named vice president in charge of special assignment's at Texaco's Houston offices.

'31 RALPH M. STONCHEK (I) has retired from his position with Alcoa. His home is in Tucson, Ariz.

FRANK S. DYER (E) is working as a Vista Volunteer in Calverton, N. Y. He is involved in a "self help housing" project. Mrs. Dyer works in a day care center and is involved in community health. They plan to return to Doylestown, Pa. in November.

After 37 years in the printing and paper industry, JOHN GIBBS SMITH (PM) has retired from Brodner Smith and Co. His home is now in Kenosha, Wisconsin.

MERLE W. SMEDBERG (E), Board of Public Utilities superintendent in Jamestown, N. Y., retired. He is now a member of a six-man team of specialists preparing a national power survey for the Republic of South Vietnam under contract with Detroit Edison Co. On completion of the study, Mr. and Mrs. Smedberg plan to make their home in Gatlinburg, Tenn.

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. 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) Donald Rebholz PM'51

(VI) David M. Loop E'52

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Tour Committee Chairman VACANT

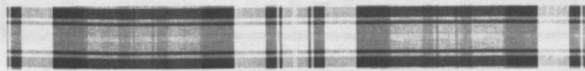
Forum Committee Chairman . . Richard E. Gray E'56

Director, Alumni Relations . . . Robert G. McCurdy

Associate Director Wanda Garver

Associate Director Jerry Kleinman

Recorder Mrs. Kathy Varela



JOHN CHARLES EDWARDS (A), chairman of Southern High School Art Department, Baltimore, Md., had a one-man show of watercolor paintings at the One Charles Center Vertical Gallery in downtown Baltimore. He also had a one-man show of 30 paintings both oil and watercolor at Carlings Gallery on the Beltway Baltimore County. He received best of show award at Savings Bank of Baltimore exhibition sponsored by Maryland Institute of Art Alumni Association and the Grumbacher Award for watercolor painting at the all Maryland exhibition of the Baltimore Watercolor Club, Turner Auditorium Gallery, Johns Hopkins University.

FRANCIS J. M. ABERLE (E), an actuarial consultant with Lincoln National Life Insurance, Ft. Wayne, Indiana, died on May 14, 1971.

KENNETH D. OWENS (A) has retired after 40 years of teaching music. He was head of the music program in the San Diego City Schools since 1962 and a teacher in the system before that. Mr. Owens has served as president of the California Music Educators Association, president of the Southern Section of this same group. He was also the founding president of the San Diego City-County Music Educators Association and a member of the legislative committee of the Music Educators National Conference. He has served as a board member of the San Diego Opera, Young Audiences, Inc., the San Diego Youth Symphony, the San Diego Civic Youth Symphony and the San Diego Symphony. Mr. Owens plans to continue editing the California Music Educators Association News.

CHARLES K. CARTER (E), a retired manufacturers agent, died on June 19, 1971. His home was in Boynton Beach, Florida.

Mrs. William V. Conn (PEARLE M. GOLDBERG, M), of Greensburg, Pa., died on May 5, 1971.

WILLIAM E. FLUHARTY (PM), plant supervisor for Mercantile Press, Inc., Wilmington, Delaware, died on March 13, 1971.

JOHN R. MASI (I), of Verona, Pa., died on April 12, 1971. He was a contract manager for Navarro Corporation, Pittsburgh.

RALPH D. PYLE (E) chief products engineer of the product engineering department, Copperweld Steel Company, Glassport, Pa., died on July 9, 1971. His home was in Pittsburgh.

'32 CARL J. LONG (E), president of Carl J. Long & Associates, Pittsburgh, Pa., has been elected a director of the Illuminating Engineering Society for 1971-74.

Presently Mr. Long is serving as a member of the Technical Advisory Committee to the Department of Public Instruction, Commonwealth of Pennsylvania. He is a permanent member of the National Board of Directors, Air Force Association as well as a member of the National Board of Trustees, Aerospace Education Foundation. In 1971 Mr. Long was the recipient of the Pennsylvania Society of Professional Engineers Distinguished Service Award.

HOWARD A. WAGNER (E) has retired from his position at the Research and Development Center, Westinghouse Electric Corporation, Pittsburgh. He is now living in Bradenton, Florida.

In May 1971 PAUL F. WILE (E) sold his business, Culligan Soft Water Service of Oak Park, Ill. He is now semi-retired.

ALBERT K. END (A), general manager of interiors for Beck, Inc., Pittsburgh, died on October 31, 1970.

ELMER A. LUNDBERG, Jr. (A), former director of architectural services for PPG Industries Inc., Pittsburgh, died on March 30, 1971. Mr. Lundberg had been an employee of PPG Industries for 35 years. Last year, he became a partner in Loeffler, Johnson, Lindberg and Associates. He was a fellow in the American Institute of Architects.

WILLIAM G. YOUNG (E), chairman-director of Miller Printing Machine Company, Pittsburgh, died on April 12, 1971.

'33 JOHN L. KRONENBERG (PM), who retired in 1969 as vice president of sales for S. D. Warren Company, has been elected a director of Baldwin-Gegenheimer Corporation. Mr. Kronenberg is currently a director and member of the executive committee of the Graphic Arts Technical Foundation and has been chairman of GATF's advancement committee for many years. His home is in Weston, Mass.

ROGER MC ALLISTER BROWN (E) is sales manager of Superior Drawn Steel Company, Monaca, Pa.

PAUL V. BURKHART (PM) is territory manager for Roche Laboratories, Nutley, N. J. His home is in St. Petersburg, Florida.

ROBERT W. COURSON (I) is a sales manager in the architectural division of Frazier-Simplex Inc., Washington, Pa.

'34 LEE WISSMILLER (E) has been elected a vice president of Chicago Bridge & Iron Company, Oakbrook, Ill.

CLARENCE E. WRIGHT (I) is a professional engineer with Allen Frye & Associates, Orange Park, Fl.

ROBERT B. COX (E) is vice president of Universal Desalting Corporation, New Rochelle, N. Y.

JOHN W. HACKNEY (E) is manager of cost engineering, Mobil R & D Corporation, Pennington, N. J.

Rev. WILLIAM L. MCDERMOTT (A) has moved from Trinity Episcopal Church, Abbeville, S. C., to St. John's Episcopal Church, Glasgow, Virginia. He is still an active "HAM"—K4HJK/AA4HJK.

'35 Mrs. Stew W. Kennedy (FLORENCE WEAVER, A), music supervisor of the South Side Area Schools, Beaver County, Hootstown, Pa., has returned from a year spent in Europe. She spent part of the year at the Dalcroze School of Eurhythmics, Geneva, Switzerland.

ROBERT C. KELLEY (E) has retired from U. S. Steel Corporation. He is now living in Myrtle Beach, South Carolina.

JOHN W. WAGENSEIL (E) moved from Norwich University, department of mathematics, to Tenacre Foundation as director of education. The Wagenseils are living in Princeton, N. J.

SAM CHETLIN (E) is sales manager for Youngwood Electronic Metals, Youngwood, Pa.

CLARENCE Y. HAYS (E), of Cleveland Ohio, died on July 4, 1971. He retired in September 1970 as vice president of sales—Cleveland, Syntron Division of White Corporation. After his retirement he became president of Dyna-Communications in Cleveland.

SAMUEL JORY (E), assistant to the vice president of Westinghouse Airbrake Company, Wilmerding, Pa., died February 13, 1971. His home was in Pittsburgh.

EILEEN M. RILEY (M), of Pittsburgh, died on May 3, 1971. She joined Catholic Social Service in 1938 and resigned in 1966 to take a post as a social worker with the Pittsburgh office of the American Red Cross.

EUGENE I. SHANOR (E), a retired employee of the Pittsburgh & Lake Erie R.R., died June 24, 1971. He had retired in January after 48 years of service with the P & L E. He lived in Rochester, Pa. Among his survivors are his daughter, Mrs. David R. Kietzke (SHIRLEY SHANOR, M'52) and his son-in-law, DAVID R. KIETZKE (E'56).

'36 RICHARD D. DARRAH (A) is president of the Oakmont Residence, Inc., Oakmont, Pa.

ROBERT F. INRIG (PM) is an estimator for the Derrick Printing Company, Oil City, Pa.

CHARLES A. BILLANTE (E) is senior project engineer for the Square D Company, Cleveland, Ohio.

DAVID H. W. FISHER (E) moved from Vicksburg, Miss. to Chattanooga, Tenn., where he is vice president of operations of Dixie Tool Logging Company.

Mr. and Mrs. James M. Hogrefe (RAE S. JONES, M) are now living at 412 Jefferson Court, Ft. Myers Beach, Florida. Mr. Hogrefe retired in January. The Hogrefes are enjoying seeing old friends who are visiting Florida. They also enjoy traveling.

JAMES H. AUSTIN (PM) is a special sales consultant with S. D. Warren Company.

Mrs. JANE FITZHUGH APPLEGATE (M) is teaching homemaking in the Edgewood School District, Pittsburgh.



Gruber '36

IRVING B. GRUBER (E), president of American Engineered Products Company, (formerly American Forge & Manufacturing Co.) McKees Rocks, Pa., has been honored by the Open Die Forging Institute, La. Grange Park, Ill., for outstanding contributions to the industry and the association. Mr. Gruber has served as an officer and member of the Board of Directors and as President of the ODFI in 1965-66. He has also served as chairman of the Public Relations Committee, which has produced a 28-minute color film on "The Story of Open Die Forging."

WILLIAM T. TUCKER (E), former president and chief executive officer of the North Electric Company, Galion, Ohio, died on March 22, 1971. He had moved to Indianapolis, Ind. two years ago. He was an electrical consultant and a former owner of Indianapolis 500-mile race cars. He belonged to the Speedway Oldtimers Club. He raced in 1932-33 and sponsored cars from 1958 to 1963.

'37 RAYMOND Q. DUKE (E) is director of buildings and properties department, The Detroit Edison Company, Detroit.

JOHN W. BRUMBAUGH (E) is a lawyer with Brumbaugh, Graves, Donohue, & Raymond, New York City.

WARREN A. ROBERTS (E), a Phillips Petroleum Company, Bartlesville, Oklahoma executive, has been appointed chairman of the Technical Advisory Committee for the Geothermal Resources Project. Mr. Roberts, a director and senior vice president of Phillips and a member of the company's executive committee will coordinate the activities of technical advisory subcommittees and will provide technical advice to the management of the University of California Research Geothermal Resources Project. Mr. Roberts is also serving as chairman of the Executive Committee of the Industry Liaison Committee on the Deep Sea Drilling Project near San Diego.

ROBERT P. DICKINSON, Jr. (E) is project engineer of Starco, Inc., Dayton, Ohio.

THOMAS L. PARKER (E) has retired as group executive of Teledyne Columbia-Summerill after 37 years of service. He served as president of Columbia Steel & Shafting Co. for 10 years. Teledyne, Inc. acquired Columbia-Summerill in 1968 and Mr. Parker continued as president of Teledyne Columbia-Summerill as well as group executive of two other Teledyne metal companies until 1970. Mr. Parker is a member of the Chartiers Valley District Flood Control Authority, having served previously as its chairman. He is chairman of the board of Lincoln Savings Bank and a director of the Washington Steel Corporation and the St. Clair Memorial Hospital. He is also president of the Carnegie Boys' Club and the Pittsburgh Pirates Foundation.

ANDREW F. DEPKEN (E), an electrical engineer with McGraw Edison, Canonsburg, Pa., died on June 5, 1971. His home was in Bethel Park, Pa.

Marine Gen. KEITH D. MCCUTCHEON (E), commander of all Marine Corps forces in Vietnam from February to December, 1970, died on July 13, 1971. At the time of his retirement, he was special assistant to the commandant of the Marine Corps. During World War II, he earned the Silver Star, Legion of Merit, Distinguished Flying Cross and other decorations for service in battle in the Solomons Islands, New Guinea and the Philippines. After the war, he was assigned to the Bureau of Aeronautics and also served as senior Marine Corps aide to the White House. He commanded a helicopter squadron in Korea during the conflict there and later was assigned to posts in Germany and Hawaii before joining the staff of the commander in chief for the Pacific. He held 10 Air Medals and had been decorated by the governments of Vietnam and Korea. His home was in Alexandria, Virginia.



Gartz '38

'38 JERRY J. MATELAN (PM) has joined Thompson & Associates, Inc., advertising agency, as executive vice president. Mr. Matelan was formerly vice president and account supervisor with the Griswold-Eshleman Company. The company name has been changed from Thompson & Associates, Inc. to Thompson & Matelan, Inc., with offices in Gateway Center, Pittsburgh, Pa.

ARTHUR E. ALLEN (E) has been elected a vice president of Harza Engineering Company, Chicago, the consulting firm he has served since 1960. Mr. Allen is Harza's chief hydroelectric planning engineer and is responsible for much of the company's work in pumped-storage power.

WILLIAM R. GARTZ (E) has been appointed director of industrial development in the marketing department of The Peoples Natural Gas Company. In his new position, Mr. Gartz will continue to direct industrial marketing programs and assume the additional staff responsibility for governmental sales and area development activities.

DANIEL R. BEECH (E), a civil engineer for Morris Knowles, Inc., Pittsburgh, died on May 17, 1971. He lived in Orange City, Florida.

'39 FRANK J. CHAPIK (A) is a planner for the Los Angeles County Regional Planning Commission.

JOHN A. CAMPBELL (E) is senior architectural engineer for Penn-Central, Philadelphia, Pa.

GEORGE E. OETTING (E) is assistant to the president of U. S. Tobacco Company, Greenwich, Connecticut.

FARRIS E. RAHALL (E), financial vice president of Rahall Communications Corporation in St. Petersburg, Fl., and 30 civic and business leaders from throughout the U. S., who are members of the Defense Orientation Conference Association, were invited by the Defense Department for a 19-day visit to European Command Headquarters, SHAPE and NATO Headquarters.

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

'40 Dr. THOMAS T. OMORI (E), of Glendale, Calif., has been appointed to the Special Advisory Committee on Public Opinion for the Department of State. Dr. Omari is vice president and technical director of Kreha Corporation of America, a wholly-owned subsidiary of Kureha Chemical Industry, Tokyo.

JOSEPH A. BECK, Jr. (E) has been named vice president and general manager of the newly formed Keystone New Jersey Metal Company, located in Newark, a wholly-owned subsidiary of Pittsburgh's Keystone Metal Company. Prior to joining Keystone, Mr. Beck was chief industrial engineer and manager, Manufacturing Services, for H. K. Porter Company, Inc., at Ambridge, Pa.

CHARLES F. TRAPP (E), president of Formsprag Company, Warren, Michigan, has been appointed chief executive officer.

EVELYN BLUESTONE LEWY (A) is a lecturer in art at Roosevelt University, Chicago.

LEWIS T. D'ONAFRIO (E) is an estimating engineer for Commercial Shearing, Youngstown, Ohio.



Beck '40



Stingel '41

'41 J. N. MCGARVEY (E) has transferred to London as vice president, Gulf Oil Company—Eastern Hemisphere, and regional GOTCO manager.

CHARLES P. BYRNE (E) is general manager of Struthers Wells-Gulfport, Inc., Gulfport, Miss.

ROBERT L. BOEHMIG (E) is a consulting engineer in the Atlanta area.

EUGENE B. DATRES (E), of Willingboro, N. J., has retired after 30 years in the U. S. Army as a Colonel. His last assignment was in Hawaii.

WESLEY T. DORSHEIMER (E) is now advertising supervisor for DuPont Company. The Dorsheimers live in West Chester, Pa.

EDWARD A. HUNT (A) has joined Mel Richman Inc., Creative Marketing Services, Bala Cynwyd, Pa., and Pittsburgh, as a copywriter. Mr. Hunt lives in Philadelphia.

GORDON C. PIERCE (A), architect in Greensburg, Pa., is the author of an article on contemporary Japanese architecture which appeared recently in the *Journal of the American Society for Church Architecture*.

DONALD E. STINGEL (E) has been elected executive vice president of Swindell-Dressler Company, a Pittsburgh-based engineering and construction division of Pullman Incorporated. He had been senior vice president of the engineering and construction group of Swindell-Dressler serving the metallurgical, ceramics and public works areas of the industry. In addition to his new responsibilities as Swindell-Dressler's executive vice president Mr. Stingel remains as president and chief executive officer of Penn-Pocahontas Coal Company in Somerset, Pa.; vice president of Mahon Industrial Corporation in Saginaw, Michigan; vice president of Aloe Coal Company, Imperial, Pa.; and vice president of Marathon Service Company in Pittsburgh. He is also chairman of the board of F. C. Torkelson Company in Salt Lake City, Utah.

'42 JACOB KATZEN (E) is presently manager of group strategic planning and review for General Electric Company, New York City. He is doing overall business planning including entry and exit decision bases, allocation of resources on corporate basis for components and materials group.

PAUL E. BUSBY (E) is manager of project engineering for Midvale-Heppenstall Company, Philadelphia, Pa.

CHARLES C. RICHARDSON (PM) was elected the 49th president of the Board of Trustees of Research Hospital and Medical Center in Kansas City, Missouri. Mr. Richardson is president of the Dick Richardson Printing Company. He is a past president of the Sertoma Club of Kansas City and the Executives Association. He is active in the Navy Reserves with the rank of Captain, USNR-R. There was an interesting article in *Leasing World*, the April-May 1971 issue, which describes the policy of the Dick Richardson Company to continuously upgrade its printing equipment through leasing.

CHARLES T. DIERKER (E) is president of Central Plants, Inc. The Dierkers live in Woodlawn Hills, Calif.

Dr. DONALD E. THOMAS (E) has been appointed consulting scientist in the materials and materials processing directorate of the Westinghouse Research Laboratories, Pittsburgh. Dr. Thomas had been a senior technical consultant at the Westinghouse Astronuclear Laboratory. He is co-inventor of the Zircaloys, a series of alloys used in nuclear technology.

IRVING J. DERFEL (PM) has a new position as general manager of Jersey Printing Company, Bayonne, N. J.

ROBERT F. SCHWERIN (E) is manager of Western Exterminating, Philadelphia, Pa.

WAYNE M. YEKNIK (E) is presently vice president of sales with Republic Carbon Products, Chicago, Ill.

JOHN H. TROSS, Jr. (PM), of Montgomery, Alabama, died on April 13, 1971. He was president of Paragon Press in Montgomery.



Mack '43

'43 ALBERT J. BORELLI (E) received his Ph.D. degree from the University of Pittsburgh in April.

L. LAWRENCE MOORMAN (E) is now with Aetna Financial Services, Hartford, Conn.

Mrs. Richard A. Butcosk (GLORIA MATTHEWS, M) is chairman of the home economics department at Haddon Township High School, Westmont, New Jersey. The Butcosk's son, Rick, is a sophomore in the architecture department at Carnegie-Mellon.

JAY O. MACK (E) has been appointed chief metallurgist of U. S. Steel's Fairless Works.

FRANK N. MCCLURE (E) has been appointed general manager of the construction products division of Westinghouse Electric Corporation, Pittsburgh. He will be responsible for the commercial/industrial air conditioning, Sturtevant and lighting divisions.

CAROL NATHANSON (A), dramatic soprano, has performed in Tel-Aviv, Zurich, Vienna, Paris, and Berlin. Her repertoire includes concert and folksongs in English, Italian, French, German, Ladino (Sephardic), Hebrew and Yiddish, as well as 25 leading operatic roles sung in several languages. Her home is in Brooklyn, N. Y.

'44 GEORGE C. COPETAS (E) is a technical superintendent for Goodyear Hellas, S.A.I.C., Thessaloniki, Greece.

Dr. WILLIAM C. LEONE (E) is group vice president with Rheem Manufacturing Company, Beverly Hills, Calif. Mrs. Leone is the former SARA JANE HOLLENBACK (M'51).

'45 HELEN A. CUMMINGS (M) is teaching and is chairman of the business education department at Bethesda-Chevy Chase High School, Washington, D. C.

THEODORE B. DANIELS (A) is presently national accounts sales manager of Evans-Baucom and Associates, Massillon, Ohio.

Mrs. Roy E. Sensenich (MARY PENMAN, A), choral instructor at Sewickley Township Senior and Junior High, died April 19, 1971. Her home was in Irwin, Pa. She was choir director and organist of the First United Methodist Church, Irwin, and was the accompanist for the Irwin Mill Chorus.

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. Mrs. Leslee Reis

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

'46 WILLIAM WISHNICK (E) has been appointed as chief executive officer of Whitco Chemical Corporation, New York City.

ROBERT E. PHILLEO (E) has been elected vice president of A.C.I. He is chief of the Research, Development, and Standards Section of the Concrete Branch, Office of Chief of Engineers, Washington, D. C. He has been with the Department of the Army since 1958.

JOHN R. CLARKE (E) is engineer of machinery specifications for Swindell-Dressler, Pittsburgh.

WALTER J. AMBROSE (E) is presently program manager at Sperry Gyroscope Company, Long Island, N. Y. The Ambrose's (JEAN ZAPOLSKY, M'50) son, Peter, will be in the Fine Arts department at Carnegie-Mellon this fall.

JOSEPH H. CUNNINGHAM (E), of Pittsburgh, is a technical writer for Joy Manufacturing.

R. G. DRAGAR (E), chief engineer for York-Gillespie Company, Pittsburgh, died on December 18, 1970.

'47 RAY S. LANSBERRY (E) has been appointed superintendent—furnaces and auxiliaries in the blast furnace department of U. S. Steel's Homestead Works, Homestead, Pa. Mr. Lansberry joined the Homestead Works of U. S. Steel in 1950.

JOHN H. CHILDS (E), general manager for public relations and personnel, Texaco, Inc., New York, has been appointed to the American Petroleum Institute's committee on public affairs.

RANDOLPH W. CHALFANT (A) is an associate with Taylor & Fisher Architects in Baltimore, Md.

RUFUS E. WILSON (E) is a resident engineer at St. Joseph Hospital, Joliet, Ill.

FRANK G. SCARBOROUGH (E) retired from the U. S. Navy. He is now working in project management with RCA. His home is in Moorestown, N. J.

HERBERT J. KRACKER (E) is chief estimator for Massillon-Cleveland-Akron Sign Company, Massillon, Ohio.

MARY KEEFER HENNEBERGER (M) received her M.A. degree from Miami University, Oxford, Ohio, in June.

'48 GEORGE R. HUNTER (A) has been promoted to professor in the music department at Denison University, Granville, Ohio. Mr. Hunter teaches brass and woodwind instruments and conducts the Denison Concert Band.
JAMES W. BARRY, Jr. (L) has a new position as librarian in the University of Arizona Medical Center.



Cox '48

ELMER J. COX (E), president of Pittsburgh Commercial Heat Treating Company, has been elected vice president, Pittsburgh Chapter, of the American Ordnance Association.

JOHN T. BINGHAM (E) is now director of engineering and reliability for Omark Industries, El Segundo, Calif.

JAMES M. SIXSMITH (E) is a stockbroker with Parker-Hunter in Pittsburgh.

ALEXANDER B. CHURCHILL (E), of Chesterfield, Missouri, is engineering section manager of McDonnell Douglas.

DAVID E. DEUTSCH (E) has retired from aerospace business. His home is in South Lake Tahoe, Calif.

ANDREW L. FOSTER (E) has returned from a business assignment in Tokyo, Japan. He is senior project engineer with Stone & Webster Engineering Corporation, Boston.

WILLIAM E. EVANS (A), architect, is currently employed by the Department of the Army, Office of the Surgeon General, Washington D. C., and engaged in medical facilities construction.

PAUL F. ZWEIFEL (E), professor of physics and nuclear engineering at Virginia Tech is editor of a new journal for physicists entitled, "Transport Theory and Statistical Physics." It is an international journal for rapid communication.

DONALD BERMAN (E) is director of Waste Systems Management in Allegheny County, Pittsburgh. This is a newly created Department of County Government dealing with sewage and solid waste problems in Allegheny County.

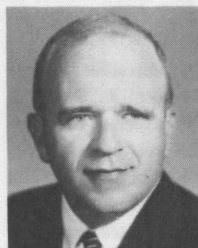
GRAHAM A. RENBERG (E) has moved to Brussels, Belgium as technical director of Belgochim, S. A., an affiliate of Phillips Petroleum.

DR. JOHN B. WACHTMAN, Jr. (E) is chief of Inorganic Materials Division, National Bureau of Standards.

DR. RAY W. GUARD (E) is now dean of engineering at the University of Texas—El Paso.

C. T. LINDER (E) has been promoted to director of materials and design analysis at the Delco Products home office plant in Dayton, Ohio.

WILLIAM S. PERKINS (E) has been elected president and principal executive officer of Woodings-Verona Tool Works, Verona, Pa.



Perkins '48



Gell '48



Stoken '48

JOHN J. GELL (E) has joined Irvin Industries, Inc., as vice president/operations, Greenwich, Conn. He was formerly manager of manufacturing for the Lock and Hardware division of Eaton, Yale & Towne.

JACK M. STOKEN (E) has been named assistant superintendent-central maintenance of the Edgar Thomson plant of U. S. Steel's Edgar Thomson-Irvin Works, Braddock, Pa. Mr. Stoken joined U. S. Steel in 1960.

BERNARD RACKOW (M), director of the Daughters of Israel Pleasant Valley Home in West Orange, N. J., died on May 17, 1971. In World War II he served in the Army in Hawaii and the Far East. Formerly executive director of the Hebrew Home for the Aged in Riverdale, the Bronx, Mr. Rackow went to Seattle where he became executive director of the Carolyn Kline Goddard Home for the Aged and regional field director of the Council of Jewish Federations and Welfare Funds.

'49 WILLIAM L. ANDERSON (E) has been appointed executive vice president of Lake City Industries, a new company in Lake, City, Pa.

PAUL E. HENRY (E), project manager for Union Carbide Corporation, South Charleston, W. Va., is on assignment in Puerto Rico.

Mrs. ROBERTA MELTZER DAVIS (A) is an art therapist at the Home for Crippled Children in Pittsburgh.

ROBERT LOVERIDGE BROWN (E) is an associate in the W. C. Gilman Division of Barkon-Aschman Associates, Chicago.

Dr. GEORGE L. APPLETON (E) is director of continuing education at California State College, Long Beach.

GEORGE E. BAYUZICK, Jr. (E) is project manager for Swindell-Dressler Company, Pittsburgh.

Dr. THOMAS E. STELSON (E) is dean of engineering at Georgia Institute of Technology, Atlanta.

FRANK A. LEE (E) has been named president and chief executive officer of Foster Wheeler Corporation, Livingston, N. J.

JOHN KING (E) is president of Topodynamics, Inc., Los Angeles, a real estate consulting and development company.

JOSEPH R. VOGAN (E) has been named director of manufacturing services of the Glass Division of PPG Industries, Pittsburgh.

CEDRIC H. BEEBE (E) is senior engineer for Beckman Instruments, Inc., Fullerton, Calif.

Air Force Lt. Col. GLENN C. REITER, Jr., (E) has been decorated with the Meritorious Service Medal at Scott Air Force Base, Ill. Col. Reiter distinguished himself as Chief of the Aerospace Sciences Division, 2nd Weather Wing, Wiesbaden AB, Germany.

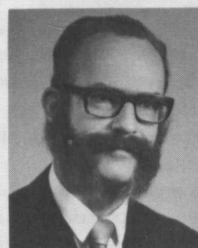
IRVIN C. KLIMAS (E) has been appointed manager of the PPG Industries Industrial Chemical Division's Natrium, West Virginia, chemical production complex.

J. W. HOOD, Jr. (E) has been appointed manager of the Cleveland (Ohio) Works of Aluminum Company of America.

Dr. ROBERT L. HADLEY (E), vice president of engineering and manufacturing of the Ray-O-Vac Division of ESB Incorporated, Philadelphia, died on April 21, 1971. After 20 years' service with General Electric Company, Dr. Hadley joined ESB Incorporated in August, 1968. He served on the Advisory Committee of Industry for the School of Metallurgy and Materials Science both of the University of Pennsylvania and the University of Florida. His home was in Madison, Wisconsin.



Hood '49



Haushalter '50

'50 JOSEPH E. SIMMONS (E) received his Master of Business Administration degree from the University of Pittsburgh in April. He is presently senior analyst for U. S. Steel Corporation, Pittsburgh. The Simmons have four children.

Dr. HENRY E. REICH (E) is vice president and plant manager at Varney Chemical Company, Janesville, Wisc.

ADAM V. KUVLESKY (E) is presently senior electrical engineer with General Electric Company, Philadelphia.

F. ROBERT BROWN (E) is marketing coordinator with Motorola, Inc., Schaumburg, Ill.

FRANCIS M. RAFFERTY (E) is a sales engineer with Dresser Industries, Cincinnati.

ERWIN L. BLOSSER (E) is presently an engineer with Horvitz Company, Cleveland.

Dr. BERNARD L. COHEN (E) is a professor in the physics department at the University of Pittsburgh.

GEORGE C. DORMAN (E), general manager of electric stairways and hydraulic elevators for Westinghouse Electric Corporation, Gettysburg, Pa., graduated from the Advanced Management Program of the Harvard University Graduate School of Business Administration in May.

J. MAXWELL HAUSHALTER (E) has been named a vice president of the Perkins & Will Corporation, architectural and engineering firm in Washington, D. C.



Griffin '50

EDWIN M. GRIFFIN (E) has been appointed a division vice president with The Babcock & Wilcox Company's power generation division headquarters in Barberton, Ohio. Mr. Griffin joined the company in 1950.

ANNA ELIZABETH FEHL (L) is president of the American Women in Radio and Television, Maryland chapter. Miss Fehl, a noted writer, producer and consultant for instructional television and radio, is with the Department of Education of Baltimore City.

'51 DR. SAMUEL C. BROOKS, Jr. (E) is head of the department of chemistry at the Michigan Cancer Foundation, Detroit.

Dr. ADOLPH J. LENA (E), vice president for research, Allegheny Ludlum Industries, Inc., received the 23rd David Ford McFarland Award for Achievement in Metallurgy from the Pennsylvania State University chapter of the American Society for Metals. Dr. Lena has twice received the Frank B. Lounsberry Award within Allegheny Ludlum, an award given on the basis of outstanding technical accomplishment properly reported. He is a past chairman of the Pittsburgh Chapter of ASM and has served on several national committees of both ASM and AIME. He is serving as national secretary of ASM and is chairman of the ASM Technical Divisions Board. He is a member of the Allegheny Valley Chamber of Commerce and is a director of the Valley National Bank of Freeport.

JOSEPH P. KRYSIK (A), music coordinator of McKeesport High School, his wife and infant son were killed when their single-engine plane crashed near the Jimmy Stewart Airport, Indiana, Pa., on May 3, 1971.

'52 PHILLIP BEIGEL (A) is president of Broadcast Educators, Inc., N. Y. C.

HAROLD D. BLACK, Jr. (E) is group supervisor of Johns Hopkins University Applied Physics Lab.

Dr. SAMUEL CERNI (E) is presently section manager of Westinghouse Advanced Reactors, Madison, Pa.

ALBERT I. MOON, Jr. (E), of Honolulu, Hawaii, is an attorney with Ashford & Wriston.

DAVID M. LOOP (E) is employed by Atlantic Research, a Division of the Susquehanna Corporation, Costa Mesa, California, in the engineering department, Missile Systems Division.

HENRY M. SHEPHERD (E) is serving as deputy chief of the new Pipeline Safety Division of the Bureau of Surface Transportation Safety, National Transportation Safety Board, Washington, D. C.

CARL L. PETERSON (E) is manager of sales support of Perkin-Elmer Corporation. The Petersons (NANCY BECK, M'55) are living in Trumbull, Conn.

Mrs. David Konigsburg (ELAINE LOBL, M) is the author of *Altogether, One at a Time*, a collection of four stories published by Atheneum Publishers, N. Y. C. This is her fifth children's book.

C. RICHARD WHITSON (A) has been named manager of the advertising design department of Armstrong Cork Company, Lancaster, Pa.

Twelve Honor Award Certificates were awarded from the 70 projects submitted for the architectural exhibit at the recent Los Angeles National Conference on Religious Architecture. The 1971 Guild Traveling Exhibit which consists of photographic mounts of these projects will be circulated for display. Among the projects included in the traveling exhibit are St. Therese Catholic Church, San Diego, designed by the architectural firm of Delawie, Macy (ALFONSO MACY, A) & Henderson, San Diego; Chaminade Chapel, Malawi, Central Africa, designed by the architectural firm of RICHARD J. FLEISCHMAN (A) & Associates, Cleveland Heights, O.; University Interfaith Center, University of Tennessee, designed by the architectural firm of Gassner (FRANCIS P. GASSNER, A) Nathan (THOMAS M. NATHAN, A'53), Browne, Memphis, Tenn.; and Third Baptist Church, Philadelphia, Pa., designed by the architectural firm of HAROLD E. WAGONER (A'26) & Associates, Philadelphia.

Births

Angela Beth born to Mr. and Mrs. William Deerkake (Beverly Babcock, M'62)

Jennifer Lynn born to Mr. and Mrs. Arthur I. Moss (Judith Neundorf, M'61)

Andrea Valerie born to Mr. and Mrs. Guillermo De Li (Pam Merrill, A'66)

Sandra Jean born to Mr. and Mrs. Henry Z. Shelton, Jr. (IM'65, and Gail Whiteman, M'66)

Patti Lynn born to Mr. and Mrs. Emil E. Hrivnak (E'66)

Edward Raymond born to Mr. and Mrs. Raymond P. Stohner (IM'66)

Eric John born to Sgt. and Mrs. Robert J. Summerfelt (A'67)

Daniel Lee born to Mr. and Mrs. John Fagan (E'69)

Andrew Timothy born to Mr. and Mrs. Timothy R. Botts (A'69)

Richard Roland III born to Cpt. and Mrs. Richard Primanti, Jr. (Suzanne Hoffman, M'69)

Michael William born to Mr. and Mrs. William J. McConaghy (E'70)

Lee William born to Mr. and Mrs. Stephen Lee Heckman (E'70, and Caroline Bozic, HS'70)

Kathleen Anne born to Mr. and Mrs. Paul M. Whalen, Jr. (E'69, and Mary Kupcik, M'70)



'53 NORMA TRUST SHERMAN (A) had an exhibit of drawings and paintings at the Providence Art Club, Providence, R. I., in May. She is director of The Galleries at Lenards in Chestnut Hill, Mass. which had an exhibit in May and June featuring art works by artist couples. Mrs. Stanley Folsom (BETTY GRIGGS, A) and Mrs. Michael Rozewski (TERESA FUSCA, A) had works represented.

JACK L. BRENNEMAN (A) is a toy designer for Fisher Price Toys, a Division of Quaker Oats, East Aurora, N. Y.

JAMES E. CHRISTOPHER (E) is product manager for Caterpillar Tractor Company, Industrial Division, Peoria, Ill.

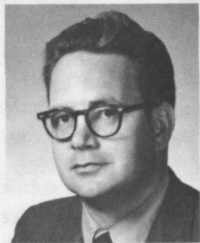
Dr. JOHN WALLACH (E) has been appointed manager of the Signature Analysis Unit at the General Electric Research and Development Center in Schenectady, N. Y. Dr. Wallach will be responsible for the Center's development of diagnostic techniques for detecting and identifying potential machinery failures, and development of diagnostic systems for medical applications.

JAMES H. MILLER (E) is a manufacturers' representative for T. C. Stevenhagen Company, Mentor-on-Lake, Ohio.

JOSEPH F. GALLUZZO (E) has been selected to appear in the 1971 edition of *Personalities of the West and Midwest*. He also has been elected a member of The National Register of Prominent Americans.

JOHN KLOAP (E) has been promoted to vice president of the Metal Container Division of National Can Corporation, Chicago.

ROGER R. GILER (E) has been named chief engineer of the Kanthal Corporation, Bethel, Conn. Mr. Giler has extensive experience in the heating element field and has been with The Kanthal Corporation for six years in charge of production and sales of high-temperature molybdenum disilicide elements.



Giler '53



Kaufman '53

J. GILBERT KAUFMAN (E) has been appointed chief of the Mechanical Testing Division of Aluminum Company of America, New Kensington. Mr. Kaufman is on the executive committee of ASTM's Committees B7 on Light Metals, E24 on Fracture Testing, and E28 on Mechanical Test Methods. As chairman of Subcommittee 1 of ASTM's Committee E24, he directs development of fracture mechanics test methods, and has also served that organization as past president of the Pittsburgh District Council. He also represents the U.S.A. on International Standards Organization Technical Committee TC79 in the field of testing, and is a member of NASA's Ad Hoc Panel on Fracture Control Procedures for Aerospace Structural Design.

JEANNE C. FINN (M) received her Master of Arts degree in English from Niagara University in May.

'54

Dr. JOHN E. ANDERSON (E) is a senior research associate with Signal Chemical Company, Houston. Mrs. Anderson is the former LUCY BORRELLI (A'44).

ANTHONY J. LOWERY (E) presented a paper entitled "The Chemical Engineer" at the St. Louis (Mo.) Section of the American Institute of Chemical Engineers one day symposium in March. Mr. Lowery is vice president of Findett Service Company which he helped organize in 1962. The company is engaged in various toll processing operations and a number of "reclaim and recycle" programs for industry.

JOHN K. CHANCE (PM) is president of Scrollcraft, Inc., Urbana Ohio.

GEORGE L. CANDLER, Jr. (E) is presently project engineer for the Louis Allis Company, Greendale, Wisconsin.

GEORGE R. ADAMS (E) has been appointed region manager of western region sales for the Ferroalloys Division of Union Carbide Corporation, Chicago, Ill.

CHARLES C. MELLOR, Jr. (E) is presently an engineer with Federal Glass Company, Columbus, Ohio.

Dr. LOUIS D. KIRKBRIDE (E) has been appointed manager of business development and strategic planning for the Milwaukee-based Medical Systems Business Department of General Electric Co. The Kirkbrides (BONNIE L. ACKLEY, M'57) are living in Brookfield, Wis.

GEORGE R. WALLIS (IM) has joined North American Rockwell Corporation, Reading, Pa. as president of the Knitting Machinery Division.

Mrs. MAY CLOVIS (L) has retired as librarian at Waynesburg College, Waynesburg, Pa.

'55

GUY V. CARRICATO (E) is assistant chief engineer of Miller Printing Machinery Company, Pittsburgh.

The Carricatos have a son, Michael, three years old.

C. R. ROUSSEAU (E) transferred from Hercules in Cumberland to Hercules in Magna, Utah in the Advanced Composite Materials Division as research supervisor.

PAUL L. SIEFFERT (E) is an environmental engineer with Swindell-Dressler Company, Pittsburgh.

EVERETT B. KELLOGG (PM) is presently plant manager of Diamond National Corporation, Exeter, Calif.

HOWARD BELLIN (E) is managing director of International Franchising, Melbourne, Victoria, Australia. He is a pioneer in Australia in franchising.

N. DONALD WEISENFLUH (IA) has been appointed director of corporate development of Acme General Corporation, Monrovia, Calif.

Mrs. Robert E. Fulton (JOAN LUCIEN, A) has been a member of the board of directors and executive committee of Pittsburgh History & Landmarks Foundation since its formation. She is also active with the new Pittsburgh Museum, the restored North Side Post Office.

Dr. EDWARD M. DAVIS (E) has been named to the newly created position of general manager of the International Business Machines Corporation's Components Division facility at East Fishkill, N. Y. Dr. Davis was Division director of Development.

ALBERT F. DUZY (E) has joined the staff of Paul Weir Company, Chicago, Ill., as fuels application and utilization specialist.

Col. BENJAMIN W. EAKINS, USAF (IA) was presented the Legion of Merit medal. The medal was awarded for his "exceptionally meritorious conduct" while serving in the Executive Directorate, Contract Administration Services, at DSA Headquarters, Alexandria, Virginia from August 1969 to July 1971. Col. Eakins has retired from the U. S. Air Force and is now living in Magdalena, New Mexico.



Davis '55



Daugherty '56

'56

DAVIS A. CHIODO (A) has been appointed manager of business development in the Consumer Products Division of Corning Glass Works, Corning, N. Y.

RICHARD C. FOSTER (IM) has been named assistant director for general litigation in the U. S. Bureau of Consumer Protection, Washington, D. C. He was previously an attorney in the Protection Bureau's Food and Drug Division.

JOHN M. DAUGHERTY, Jr. (E) was promoted to Army lieutenant colonel and received the Army Commendation Medal for meritorious service. He earned the award during his last assignment as deputy district engineer, U. S. Army Engineer District, Rock Island, Ill.

CLASS END IN 1 OR 2 PLAN FOR HOMECOMING ON OCT. 15-16, 1971

JOSEPH G. SEVICK (IM) has been elected a vice president of St. Joe Minerals Corporation. Mr. Sevick will assume responsibility for the company's lead and zinc smelting operations in Missouri and for the activities of Meramec Mining Company, a joint venture Missouri company which produces iron ore pellets.

THOMAS LONERGAN (E) has been promoted to the position of superintendent, oil planning and evaluation, with the eastern division of the Chevron Oil Company at its Perth Amboy, N. J., refinery.

Dr. W. E. NEWELL (E) has been appointed manager of power electronics information at the Westinghouse Research Laboratories, Pittsburgh. Dr. Newell will be responsible for information exchange in high power electronic technology within Westinghouse Electric Corporation, and will organize internal education programs concerned with this technology.

ROBERT A. RIGHTMIRE (E), manager of electrokinetics at The Standard Oil Company (Ohio) in Cleveland, has been named manager of petroleum products development and research and development services.

THOMAS J. HUCKESTEIN (E) is senior estimates engineer for U. S. Steel Corporation, Pittsburgh.

ROBERT FIELDS (A) appears in a movie called "The Sporting Club."

MARCUS DINIACO (E) is vice president of D & O Building Systems, Inc., Lexington, Ky.

GEORGE A. HULSE (E) has been named vice president of operations for Green River Steel Corp., Owensboro, Ky. He has been employed by the company since 1960.

ROBERT D. MOUREY (E), manager of engineering and maintenance, Goodyear Tire & Rubber Company, Houston, Texas, died on January 27, 1971.



Alexander '57

'57 JOHN J. ALEXANDER, Jr. (E) has been named a senior vice president at the Electronic Systems Center of New York Stock Exchange, Inc., New York City.

RUSSEL C. JONES (E) has been appointed professor and chairman of the department of civil engineering at Ohio State University, Columbus.

The Board of Governors of the International Platform Association has announced the election to IPA membership of RONALD P. ANJARD (E). Mr. Anjard has been re-elected to a third term as Indiana Fifth District Young Republican chairman.

JOHN F. SWEENEY (A) is vice president of Continental Marketing Corporation. The Sweeneys live in Fairfax, Va.

DONALD BANISTER (IA) is headquarters method study engineer for the National Coal Board in Doncaster, Yorks, England.

FREDERICK W. KERN (E) is presently metallurgical engineer of customer technical service with U. S. Steel Corporation, New Orleans, La.

JOHN H. ITTEL (E) is manager of Research and Development with Lupton Company, Philadelphia.

T. JEROME HOLLERAN (E) has joined the staff of president of North American Rockwell, Textile Machinery Divisions, Reading Pa. as director of business planning.

ROBERT A. BALLINTINE (A) is senior art director of Creative Art in Pittsburgh.



Singleton '57

THOMAS C. SINGLETON (E) has been named general foreman-maintenance for #2 mills in the structural division of U. S. Steel's Homestead Works. Mr. Singleton joined U. S. Steel following graduation and has held various foreman assignments during that time.

RONALD P. ANJARD (E) has received the Indiana Young Republican Distinguished Service Award for his contributions in the past year including his candidacy for state Young Republican Chairman at the State Convention in Columbus.

DAVID E. KLEBER (E) received his M.B.A. degree from Rutgers University in June.

Mrs. H. Jerome Bracken (MARILYN CASEY, M) received her Ph.D. degree in public administration; technology of management from American University. Her special field was scientific and technical information systems, and her dissertation was concerned with the network design of the National Library of Medicine. She is presently a systems analyst with the National Agricultural Library. The Brackens (Dr. H. JEROME BRACKEN, Jr., E'56) and their four children, Michael, Steven, Ann, and Margaret, are living in Chevy Chase, Maryland.

WILLIAM K. JULIN, Sr. (E), of Pittsburgh, was injured fatally in an accident involving a taxicab in Warren County April 6, 1971. He was president of Goldsborough & Vansant, Inc., an Overbrook manufacturers' representative firm, and of Butler Forge and Metal Co., Butler County, maker of steel forgings. Mr. Julin was a captain in the Marine Corps during World War II. He was vice president of the board of St. Peter's Child Development Centers for Exceptional Children.

'58

Mrs. Roy H. Tanji (SALLY S. FURUKAWA, L) is teaching at the Wahiawa Elementary School in Wahiawa, Hawaii.

An article written by NEIL R. BERNSTEIN (A), assistant creative director, Golnick Advertising, Baltimore, "A Public Relations Budget Evaluation Technique", which originally appeared in *The Public Relations Quarterly*, has been included in the Bank Marketing Association's collection of communication resources for members. Another article by Mr. Bernstein, "How About Union News In Your Publication?" appeared in a recent edition of the *International Association of Business Communicators Notebook*. ELLWOOD ROOB (E) recently joined the Mercury Clutch Division of Aspro, Inc., Canton, Ohio, as product development manager.

JOSEPH EARLY (IM) has been appointed manager of the newly formed customer services department of the Boy Scouts of America. The department includes registration and membership accounting, subscription fulfillment of Scouting and Boys Life Magazines, purchasing and inventory control, mail and stationery service for the National Office of the Boy Scouts of America, New Brunswick, N. J.

Dr. RICHARD MC DERMOT (E) has been promoted to associate professor of mathematics at Allegheny College, Meadville, Pa. He received his Ph.D. degree from Carnegie-Mellon in 1970.

ROBERT B. SHORT (E) is an advisory engineer with IBM Corporation, Oswego, N. Y.

WILLIAM TUNNEY, Jr. (E) has been appointed assistant to the vice president of sales of St. Joe Minerals Corporation, Monaca, Pa. He will be responsible for staff activities of the St. Joe sales group, for the corporation's metal technical service functions and for the direction of marketing efforts related to St. Joe's existing product line.

JOHN SERGIO FISHER (A), of Fisher-Jackson Associates, Inc., architects and urban designers of New York and Berkeley, has been appointed dean of the School of Architecture at Syracuse University.

'59

CHARLES JOSEPH GABRIEL (E) received his Master of Business Administration degree from Shippensburg State College, Shippensburg, Pa., in May.

AUDREY COPERICH RIDLEY (M) is executive assistant for Consolidated Fine Arts, Ltd., New York City.

JAMES W. TEMMEL (E) is manager of manufacturing engineering for Johnson Service Company, Georgetown, Ky.

The K. Henry Pearsons (JULIA WAHL, M) have bought a 62-acre farm south of Washington, Pa. They will be restoring the old farm house and the grounds.

EDWARD R. DAVIS, Jr. (E) is general superintendent for Devault Contracting Company, Inc., Kimberton, Pa.

EARL C. BENNER (IM) is president of Pittsburgh Wholesale Distributors, Pittsburgh.

WILLIAM R. KING (E) presented a paper on "Controlling Hydrocarbons from Process Emissions," at an Air Pollution Conference sponsored by the Department of Civil Engineering at the University of Tennessee in Knoxville, this past spring.

Dr. ROBERT T. DE HOFF (E), professor of metallurgical engineering at the University of Florida, received a \$61,900 grant from the National Science Foundation for research. The study will be toward the control of internal structures of metals and alloys to produce them with more flexible combinations.

WARREN G. DOTY (A) is chief architect for Kennilworth Association, New York City.

JOHN C. EBERHARDT (E) is general manager of Bluemont Ski Area, Inc., Yorkshire, N. Y.

For the last four years, RODGER W. RYAN (A) has been drummer conductor for vocalist, Bobby Rydell. Mr. Ryan recently performed with Woody Herman Orchestra and Warren Covington Orchestra.



Ottervik '59

Dr. ERIC V. OTTERVIK (E), vice provost, received the Alfred Noble Robinson Award from Lehigh University. Dr. Ottervik is an assistant professor of English at Lehigh. He was one of 31 from throughout the U. S. selected as Fellows in the 1968-69 Academic Administration Internship Program of the American Council on Education.

'60

THOMAS P. O'MARA (IA) has been appointed vice president and general manager of the Samsonite Corporation's toy division, Denver, Colo.

Dr. DAVID L. POWERS (E) is an assistant professor at Clarkson College of Technology.

PAUL R. SEBASTIAN (E) is presently professor of chemistry and industrial management at Universidad de Santa Maria, Arequipa, Peru.

JAMES H. CRISSMAN (A) and STUART SOLOMON (A'61) started their own architectural firm, Crissman & Solomon, last fall in Watertown, Mass. The Crissmans have twins, Charles and Sarah, now three years old.

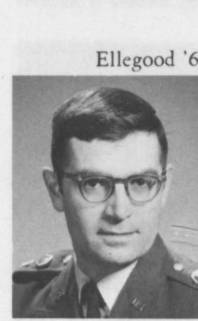
GORDON L. KILGORE (E) was transferred to Orlando, Florida, as an engineer with Westinghouse. He will work on the successor to the mini computer.

PAUL J. SCHUMACHER (E) is an engineer with Melpar Inc., Falls Church, Va.

GUY P. L. KRAUSE (E) is an engineer with Boeing in Cascade, Mont.

WILLIAM T. CALLENDAR (E) is presently an engineer with Western Electric Company, Mesquite, Texas.

Dr. RALPH L. LONDON (E), associate professor of computer sciences at the University of Wisconsin, has been on a year's leave of absence at the Artificial Intelligence Project, Computer Science Department at Stanford University.



Ellegood '60



Daugherty '60

Major MICHAEL S. ELLEGOOD (E), a special projects officer in the Army Electronics Command was the Fort Monmouth project officer for the 1971 observance of Armed Forces Day in May.

Dr. KENNETH E. DAUGHERTY (E) has received a Master of Business Economics degree with Honors in February from Claremont Graduate School and was elected to Omicron Delta Epsilon, the national economics honorary. Dr. Daugherty has accepted a position as an associate professor in the department of chemistry at the University of Pittsburgh. Mrs. Daugherty is the former JOAN OGROSKY (A'62).

KEITH G. SPRINGEN (E) has been appointed to the new position of manager, Technical Evaluation Office, for Philco-Ford Corporation's Aerospace and Defense Systems Operations, Newport Beach, Calif.

WILLIAM R. THOMAS (E) has been appointed assistant director of Research for the Panac Corporation, Cincinnati, Ohio. Mr. Thomas joined the Panac Organization in March of 1969 as new products section manager and has been instrumental in the development of Philip Carey Tempchek Urethane Insulation.

'61

LESTER BRICKMAN (E) has been promoted to professor of law in the University of Toledo's College of Law.

Mr. Brickman was admitted to practice before the Florida Bar in 1965. During the 1969-70 academic year, he served as a visiting research professor with the Council on Legal Education in Professional Responsibility of New York. Mr. Brickman organized the UT College of Law's Law and Poverty Clinic Legal Education program in 1967.



Delaney '61

JOHN E. DELANEY (E) has been appointed manager of production and engineering for the pollution control venture department of Atlas Chemical Industries, Inc., Wilmington, Del.

MICHAEL B. LIPSON (E) received his Ph.D. degree in systems engineering from Polytechnic Institute of Brooklyn. His thesis is titled "Hypodata—A Nonparametric Classification Technique" for automatic pattern classification and recognition. Dr. Lipson is currently working in advanced avionics technology in GE's Aerospace Electronic Systems Department, Utica, N. Y. The Lipsons and their two children, Barbara and Steven, live at 145 Ridge Road, Utica, N. Y. They would like to hear from old friends.

Dr. DIETMAR R. BORCHERS (E) is a senior consultant for Arthur D. Little, S. A., Brussels, Belgium.

ROBERT H. CALDERWOOD, Jr. (A) is a project manager for Miltin/Turnbull Assoc., San Francisco.

Mrs. Joseph A. Morein (JEAN LINDSAY, A) is a free lance book designer in Stamford, Conn. The Moreins have a son, Stephen Lindsay.

WILLIAM J. BILO (E) is a senior engineer with Westinghouse in Wilkins, Pa.

RANDOLPH R. ADAMS (A) is a vice president with Adams Business Forms, Topeka, Kansas.

J. CAMERON MC GILVARY (E) is a field engineer with the Singer-Link Division, Silver Spring, Md.

MICHAEL A. BASILE (IA) is vice president of U. S. Components Corporation, Mt. Clemens, Mich.

SAMUEL F. CHICK (E) is presently assistant chief metallurgical engineer with Republic Steel Corporation, Cleveland.

GERALD L. ANDERSON (IM) is assistant to the treasurer of Sels Corporation of America, Dresher, Pa.

THOMAS J. CAREY, Jr. (E) is a construction engineer with Penn DOT, Greentree, Pa.

STEWART N. CROZIER (A) is an archaeologist at the B. P. Bishop Museum in Honolulu, Hawaii.

'62 LARRY K. COHEN (E) is a research assistant in the physics department at Cornell University.

Dr. DONALD S. WILLIAMS (E) is a principal member of the technical staff of RCA Corporation, Camden, N. J.

EDGAR A. FITZGERALD (E) is an electronic engineer at the Aerospace Guidance and Metrology Center, Newark, Ohio.

RICHARD G. DUDINAK (A) has been appointed an instructor in music at Alfred University. Mr. Dudinak is a candidate for the Ph.D. degree in music education from West Virginia University, Morgantown.

JOHN D. CHASE (IA) is manager of CMIS installation for IBM Corporation, Mahwah, N. J.

RONALD R. BUSHYAGER II (E) has been transferred to the Lester, Pa., Division of Westinghouse where he is a computer programmer in the Small Steam and Turbine Division. Mrs. Bushyager (LINDA EYSTER, HS'69) is now an editor at the Franklin Institute Research Labs. in Philadelphia, Pa., in the Science Information Office.

CHARLES A. GALLAGHER (E) is an account manager for Xerox Data Systems, Southfield, Mich. The Gallaghers have two daughters, Tracy and Susan.

HARVEY D. BRAUN (IA) is a partner with Touche Ross & Co., New York City.

RICHARD R. STRAUS (PM) was elected president of Straus Printing Company during its 50th year in 1970. The Strauses and their three children live at 2205 Fremont Avenue, Madison, Wis.

JOE B. ANDREWS (IA), manager of the nuclear components division of Allis-Chalmers, York, Pa., is general chairman of the 1971 fund campaign for Planned Parenthood Committee of York County.



Perrotta '62

Benzinger '62

DOMINIC P. PERROTTA (E) has been advanced to assistant superintendent—weld mills, operating maintenance department, at the National-Duquesne Works of U. S. Steel. Mr. and Mrs. Perotta and their daughter, Denise Ann, live in McKeesport, Pa.

RAYMOND B. BENZINGER (PM) received his J.D. degree from Georgetown University Law Center in June. He has accepted the appointment as law clerk to Judge Philip Nichols, Jr. of the United States Court of Claims. Mr. Benzinger was employed as a production planner and color quality control specialist for the National Geographic Magazine from 1962 to 1971. The Benzingers live in Alexandria, Virginia.

Mrs. Norman J. Weinberger (SUSAN R. GORDON, MMCC) has moved to Norwalk, Conn. where her husband has a pediatric practice. They have two children, Gordon and Lisa and are residing at 46 Homer Street.

'63 JEROME A. GOLDSTEIN (E) has been promoted to associate professor of mathematics at Tulane University.

He received the second annual (1970-71) faculty research award of the Tulane chapter of the Society of the Sigma Xi.

RONALD J. BEINLICH (E) has been promoted to turn foreman in cold reduction at the Irvin plant of U. S. Steel's Edgar Thompson-Irvin Works, Dravosburg, Pa.

PAUL J. ROSS (A), violin, Charlotta Klein Rosen, cello and PATRICIA PRATTIS JENNINGS (A'62), piano, presented a recital in Carnegie Lecture Hall, Oakland, this past spring. The recital was sponsored by Carnegie-Mellon University. All three are members of the Pittsburgh Symphony Orchestra.

DAVID N. BILOW (A) has moved to 191 Griggs Avenue, Teaneck, N. J. 07666.

SAMUEL D. BEAIRD (IA) is manager of materials for General Electric, Selmar, Tenn.

Dr. MARTIN N. ACKERMANN (E) is an assistant professor in the department of chemistry at Oberlin College. The Ackermanns have two children, Amy Louise and Kurt Martin.

TERENCE J. COX (A) has received a certificate of registration as architect in the State of California. He is presently working with the architectural firm of Lillis & Cooper, Fairfield, California. The Coxes and their daughter, Jennifer, live in Fairfield.

JOHN R. DOWDLE (IA) is an associate with Booz, Allen and Hamilton, Inc., Dallas, Texas.

Mr. and Mrs. ALFRED R. KLINKE (PM) have moved to Silverton, Colorado. They are presently renovating a former saloon for shops and a restaurant.

WILLIAM L. HOUCK, Jr. (E) is a senior manufacturing engineer with Westinghouse Electric Corporation, Mansfield, Ohio. Mrs. Houck is the former LINDA L. COFFEEN (A). The Houcks have two children.

ALAN M. WALMER (A) is an architect with Noonan Engineering Corporation, York, Pa.

VICTOR E. DOBRAS, II (E) is a special project engineer with Burnup & Sims, Inc., Ft. Myers, Florida.

DAVID A. BAUERLE (E) is senior systems programmer for Burroughs Corporation, City of Industry, Calif.

ROBERT C. LOCKE (E) has been promoted to manager of environmental engineering in the corporate offices of Campbell Soup Company, Camden, N. J.

RAYMOND R. KUBALAK (E) has been named Manager of the Metals Technical Service Department, St. Joe Minerals Corporation. Mr. Kubalak, who joined St. Joe in 1966, will have his headquarters at the Zinc Smelting Division in Monaca, Pa.



Kubalak '63

'64 JAMES F. FORT (PM) has been promoted to general manager of Safeguard Business Systems, Tucker, Georgia.

RONALD T. SLIVKA (E) received his Ph.D. degree in physics from the University of Pennsylvania in May 1970. He is now employed by Atlantic-Richfield Company in Philadelphia.

LAWRENCE E. LITTMAN (E) is an administrative assistant to the controller of Detroit Free Press, Detroit, Mich.

ROBERT S. DANIELS (E) is a systems analyst for Control Data, Rockville, Md.

RONALD HILL (IM) has been promoted to accounting analyst in the budget division of Pennsylvania Power & Light Company's financial department, Bethlehem, Pa.

DAVID A. WELSH (E) has returned to the Koppers Company Research Center, Monroeville, Pa., as a research scientist after serving two years as a captain in the U. S. Army Chemical Corps assigned to the Chemical Research Labs at Edgewood Arsenal, Md.

Dr. ALLEN G. THURMAN (E) has been appointed director of research and development in the engineering department of Prestressed Concrete of Colorado, Denver. Dr. Thurman had been director of the Denver Research Institute and chairman of the civil engineering department at the University of Denver.

BEN P. ANDREWS (A) is working in public relations at Michigan Bell Telephone, Detroit.

BARRY A. FRIEDFELD (E) is a sales engineer with Dearborn Chemical Co. Division of W. R. Grace. The Friedfelds live in Fort Wayne, Ind.

JUDITH ANN PHILLIS (M) received her Ph.D. degree in psychology from the University of Florida. She then was a NIH Post-doctoral Fellow in the Communication Sciences Lab, at the University of Florida. She is now a psychologist with the Alachua County Mental Health Service, Gainesville, Florida.

DAVID C. GALLO (IM) has been transferred to the Cressona Works of Aluminum Company of America, Pottsville, Pa. The Gallos have two children, Deborah and Michael.

ROBERT GODT (E) received his Ph.D. degree in physiology and biophysics this summer from the University of Washington. He will be doing post-doctoral research in muscle biochemistry at the University of Bern, Bern, Switzerland.

NELLIE C. SUZEDELL (A), art teacher at Hingham High School, Hingham, Massachusetts, died June 12, 1971. Her home was in Quincy, Mass. She was an active member of the Boston Clan.

JOSEPH R. PAGLIARO (A) was recently elected a vice president of CTEC Inc. Mr. Pagliaro remains in his position of Art Director for the Cincinnati-based audio visual design firm. Mr. & Mrs. Pagliaro (Carol Ann) have a one-year-old son, Jason John.

'65 Mrs. Maurice McCall (DONNA DALTON, M) has been promoted to assistant head of the department of biological sciences at Carnegie-Mellon. MAURICE MC CALL (A'66) has completed his first year of studies in composition at the doctoral level at the University of Cincinnati.

Dr. GENE L. MINNER (E), of the National Aeronautics and Space Administration's Lewis Research Center, Cleveland, presented a technical paper dealing with the procedures applied to a device for measuring fluctuating speed in a turbulent air flow at a symposium on flow in Pittsburgh sponsored by the American Institute of Physics, American Society of Mechanical Engineers, Instrument Society of Americana and National Bureau of Standards.

Dr. FREDERICK F. GUZIK (E) is a research associate with PPG Industries, Barberton, Ohio.

THOMAS H. GRIM (E) is now an engineering time-sharing coordinator for Ohio Bell Telephone Company, Cleveland.

K. DALE RITCHEY (E) is doing his Ph.D. research in Puerto Rico on fertility of tropical soils. The Ritcheys are living in Rio Piedras, Puerto Rico.

FERDINAND J. TRAMONTIN (E) received his Ph.D. degree in chemical engineering from the University of Maryland. He is a research engineer with E. I. Du Pont, Richmond, Va.

BURTON P. KOONSVITSKY (E) received his doctorate in chemistry in May from Southern Illinois University. He is now a post-doctoral fellow in the department of biochemistry, Medical School, University of Cincinnati. Mr. and Mrs. Koonsvitsky have a daughter, Mara Susan, one year old.

DAVID E. ADKINS (E) is a research engineer at Battelle Institute, Columbus, Ohio. His job covers mostly ocean engineering. The Adkins have two children, Robb Christopher and Barton David.

LLOYD D. CLARK (E) has moved to Ventura, California. He is a scientist with Xerox Corporation.

T. RUSSELL SNOW (E) is an instructor in bio-engineering at Baylor Medical School, Houston, Texas.

RICHARD S. CAPUTO (E) is an engineer at the Jet Propulsion Lab., Pasadena, California.

Dr. RAMCHANDRA K. IYENGAR (E) is presently a senior metallurgy engineer with J & L Steel Corporation, Pittsburgh.

Mrs. William Tedder (YVONNE M. BURNETT, A) is teaching in the Baldwin-Whitehall Schools, Pittsburgh.

DAVID H. SPENCER (E) is an engineer with Burrough's Corporation, Plainfield, N. J.

'66 VICKI ADLER (M) has accepted a position at the Institute of Cardiology in London, England.

Dr. KEH YING LIN (E) is teaching optics at the National Tsing-Hua University, Taiwan, China.

Mrs. Bernard J. Stronza (LINDA ELDER, M) has returned to graduate school at the School of Counseling Education at the University of Pittsburgh. The Stronzas have returned after 10 months in Chile. They have two children, Paul and Amanda.

ROBERT J. FRITZ (E) is a national account manager for Industrial Nucleonics, Columbus, Ohio. Mr. and Mrs. Fritz (LINNET ECKEL, M) have a son, Allen.

GERALD A. JIM (E) is a metallurgist for U. S. Steel Corporation, Homestead, Pa.

FREDERICK C. STONE (E) received his doctorate in chemical engineering from the University of Illinois. He is now employed by Dow Chemical Company in the special assignments program at Midland, Michigan.

DAVID B. PARKS (A) is presently customer relations representative for Intertherm, Inc., Middletown, Pa.

EMIL E. HRIVNAK (E) is a senior design engineer with Hamilton Standard, Windsor Locks, Conn. He is designing special purpose mini digital computers.

WILLIAM M. PERRITTE (E) is an electrical engineer with the U. S. Air Force, Seattle.

ELLIOTT GOLDBERG (IM) is a distribution associate with American Can Company, Greenwich, Conn.

Dr. MELVYN W. LARKIN (E) is a technical operations manager with Motorola Semicon., Ltd. The Larkins live in Renfrew, Scotland.

HAROLD W. CLARK (E) is a mechanical engineer at Westinghouse, Bettis Plant, West Mifflin, Pa.

PHILIP R. VORMELKER (E) was transferred to Parkersburg, W. Va. as area engineer in the Construction Division of E. I. DuPont DeNemours.

LAURENCE A. DAWSON, Jr. (E) is a vice president of Kayot, Inc., Indianola, Iowa.

Dr. DAVID GREEN (E) is manager of the Westinghouse Tube Division in Horseheads, N. Y.

PETER G. SAKIA (E) has left the U. S. Air Force and has accepted the position as transportation planner with Alan M. Voorhees & Associates of McLean, Virginia. He recently passed the P.E. exam in Alabama.

'67 RICHARD W. LYLES (E) has recently been appointed deputy director of planning at the Urban Redevelopment Authority in Pittsburgh. He was formerly a project engineer for URA.

DAVID ALTMAN (E) received his Doctorate of Medicine degree from the University of Pittsburgh Medical School in May. He will intern at San Francisco General Hospital as a Post Doctoral Fellow at the University of California. Mrs. Altman (JANE SCHOENFELD, M) plans to continue writing.

DONALD K. CARTER (A) has returned from Scotland where he attended the University of Edinburgh. He is presently working for Southwestern Pennsylvania Regional Planners in Pittsburgh. Mrs. Carter is the former BEATRICE CHURCHILL (HS'69).

DOUGLAS M. GEUDER (IM) is an actuarial student with Connecticut General Life Insurance Company. The Geuders (SUSAN HALLIDAY, M'68) are living in West Hartford, Conn.

Sergeant DANIEL E. COGAN (IM) is a programming specialist with the U. S. Air Force.

R. L. OBLICH (E) has been appointed supervisor of the insulation winding group of Large Rotating Apparatus Division, Westinghouse Electric Corporation, East Pittsburgh Divisions. He joined Westinghouse in 1967.

GLENN A. DAVISON (M) is now director of instruction in the Sun Prairie, Wisconsin, Public Schools.

Mrs. Jay Schulhof (RONNA CANTOR, A) received her masters degree in education communications from the University of Pittsburgh. She is an art teacher at Friendship School, Pittsburgh.

HUGH C. LAUER (E) is a lecturer at the Computing Lab at the University of New Castle, New Castle upon Tyne, England.

DAVID S. SIMONS (E) is doing graduate work in physics at the University of Illinois, Urbana.

LLOYD M. SWARTZ (E) is teaching at the Pocohontas City High School. He is also an engineer at the National Radio Astronomy Observatory. The Swartzes live in Arbovale, West Virginia.

ELEANOR D. GOULD (A) is teaching viola at Long Island University, Brooklyn and at the Brooklyn Music School.

CALVIN J. COOLEY (E) is a metallurgical engineer for American Iron and Steel Institute, New York City.

BERNARD A. WALTER, Jr. (E) is an air weather service liaison officer at the High Latitude Monitoring Station at Elmendorf Air Force Base, Alaska.

HAROLD S. TURPACK (E) is a sales representative for Diamond Shamrock, Minneapolis.

MARK H. SHELLANS (E) has been promoted to captain in the U. S. Air Force, Foreign Technology Division, Honshu, Japan. He was awarded the Air Force Systems Command certificate of merit.

ALEXANDER M. ADAMS (IA) is spending one year in France to work on research projects.

POR-YUAN WANG (E) is an engineer with IBM Corporation, Kingston, N. Y.

JANET L. TUCKER (A) is director of the Centre of the Arts, San Francisco.

EVAN M. MELHADO (E) is doing graduate work at Princeton University.

TERRY L. MCCLELLAN (E) is project engineer with Turner Construction Company, Columbus, Ohio. Mrs. McClellan is the former MARILYN CARLSON (M).

WILLIAM L. COTSWORTH (E) is a senior engineer with Martin Marietta Corporation, Waterton, Colorado.

VICTOR SABELLA (E) is a senior engineer with Hazeltine Corporation, Greenlawn, N. Y.

EUGENE REES (P&D) is the designer of the newly opened restaurant, The King's Head Tavern on Walnut Street in Shady-side, Pittsburgh. He and his associates at UDI Associates are specialists in restaurant design. The Red Bull Inns and The Peweter Mug and the Three Lions are among the restaurants they have designed.

'68 DAVID C. RUBIN (E) has been elected to associate membership of the Harvard-Radcliffe Chapter of the Society of the Sigma Xi.

DANIEL E. CASHMAN (A), associate professor of theater at Purdue University, Ft. Wayne, was appointed stage director for the premiere season of dinner theater at Amish Acres, in Nappanee, Indiana.

WILLIAM V. WARNICK (E) has been promoted to project leader, Coil Coatings Laboratory, Industrial Coatings Development at PPG's Springdale, Pa., R&D Center. Mr. and Mrs. Warnick and their two sons live in New Kensington, Pa.

BARRY P. CATELINET (A) is presently a corporation staff assistant with Ketchum, MacLeod & Grove, Pittsburgh. Mrs. Catelinet (REBECCA BEERMAN, A) is teaching music in the Pittsburgh Public Schools.

JACK R. LOEW (AM) is a salesman for Million Market Newspapers, Inc., New York City.

TIN-CHEE LO (E) is an engineer with American Microsystem Inc., Santa Clara, Calif.

GAIL CHIPMAN (AM) is employed by Telmar Communications, New York City.

A. BRUCE DOLL (E) is now St. Louis branch sales manager for Alcoa Conductor Products Company. Mr. Doll has been a salesman in ACPC's Chicago branch sales office.



Ackerman '68

FREDERICK W. ACKERMAN (E) is now working as general foreman-electric power distribution and service, shops and utilities department of National-Duquesne Works, U. S. Steel Corporation, McKeesport, Pa. Mr. Ackerman has been associated with National plant since 1966. The Ackermans and their three children live in Bethel Park, Pa.

MARTIN S. SHENKER (AM) is operations manager at the Colorfax Laboratories, Silver Spring, Md.

APOLONIO M. ORTIGUERA, Jr. (E) is presently a metallurgist at Globe-Union Inc., Milwaukee.

THOMAS R. ALBIN (A) is currently in the U. S. Army working as an illustrator for the Deputy Chief of Staff for Military Operations, Pentagon, Washington, D. C.

WILLIAM G. HUDGENS (AM) is a graduate assistant in the department of business administration, University of Maryland.

ALLEN C. FARLOW (E) is a staff engineer in the nuclear department of Combustion Engineering, Windsor, Conn.

MICHAEL J. COOPERMAN (AM) received his M.B.A. degree from the University of Chicago. He is now working as management consultant for Arthur Andersen & Company in Boston.

JAMES F. BARLAK (E) is a systems programmer for U. S. Steel Corporation, Pittsburgh.

JOHN A. HARRISON (E) is working in locomotive and rail rapid transit equipment sales in the Western Region of General Electric Company, San Francisco. Mrs. Harrison is the former LOUISE HATCH (A).

DONALD R. MC ILWAIN (E) is a metallurgical engineer with Maryland Specialty Wire, Cockeysville, Maryland.

JUDITH A. DEEMER (M) is an instructor at the Sawyer School of Business, Pittsburgh.

DREW C. SNYDER (A) is an actor with CBS in New York City.

RICHARD E. COLKER (HS) is a social work/psychology specialist in the U. S. Army, Ft. Sill, Oklahoma.



Wommack '69



Axelrad '69

'69 U. S. Army 1st Lt. DAVID R. WOMMACK (AM) received the Vietnamese Signal Corps Badge for his work in the development of the Vietnamese Signal Corps.

Mrs. Peter Frisch (CAROL WILLIARD, A) appears as Louise Turner in ABC's daytime drama, "A World Apart."

DARRYL R. DOBIN (AM), associate systems engineer for IBM Corporation, Springfield, Ill., is working on a Health-Welfare Information System for the State of Illinois.

U. S. Army private IRVING L. WOOLF, Jr. (HS) has completed a Basic Army Administration Course at Ft. Ord, California.

Mrs. Michael Axelrad (NANCY HOLLANDER, A) has been appointed an account executive in the Pittsburgh office of Mel Richman Inc., Creative Marketing Services, Bala Cynwyd, Pa. Mrs. Axelrad will be responsible for contact and creative services for a group of Mel Richman Inc. clients served by the Pittsburgh Office. In 1970 Mrs. Axelrad won the First Award for an audiovisual presentation in the ACE Awards for Advertising Creative Excellence in Pittsburgh.

FREDERICK WHITNEY CALL (E) received his Master of Science degree in mathematics from the University of Chicago. He is continuing his studies toward a doctorate at the University of Wisconsin.

CATHERINE E. CLINE (M) is now manager of 10 departments in juniors, girls and preteen's clothing for Gimbel Bros., Monroeville Mall, Pittsburgh. For the past one and one half years she had been an assistant buyer in junior sportswear for Gimbels.

LEWIS N. HARROLD (E) has left Westinghouse and has joined General Electric Company's Pacemaker Group in Milwaukee as development engineer.

ELIZABETH J. MARCH (HS) is advertising schedule manager for S. Klein Department Stores, New York City.

DAVID M. GARBER (A) is project director for Warner Bros., Inc., Burbank, Calif.

JOHN A. GOODMAN (E) has received his M.B.A. degree from Harvard Business School. He is presently a 2nd Lt. in the U. S. Army Corps of Engineers, Ft. Belvoir, Va.

ALFRED C. HARTMANN, III (E) is a bioengineer with Central Data Center, Zelenople, Pa.

Marriages

Angela Li and Dr. Keh Ying Lin (E'66)

AT HOME: Taiwan, China

Louisa Rawle and Harold Lee Tine (A'67)

AT HOME: 4524 Alcott Drive, Nashville, Tenn. 37215

Rebecca Beerman (A'68) and Barry Catelinet (A'68)

AT HOME: 842 N. Euclid Avenue, Pittsburgh, Pa. 15206

Betsey Plaut (A'69) and Antonio F. Sanpere, Jr.

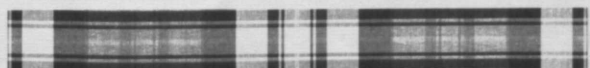
AT HOME: Nisky #9, St. Thomas, United States Virgin Islands

Patricia Bartilson and David Weed (E'69)

AT HOME: 1460 Goodyear Boulevard, Akron, Ohio 44305

Beth Baumann and H. Karl Krummel (E'70)

AT HOME: 8 Merzen Court, Cincinnati, Ohio



Dr. PHILLIP A. LOWE (E) is supervisor of thermal-hydraulic development in the Nuclear Laboratory of Combustion Engineering, Windsor, Conn.

Mrs. Michael R. Cooper (RUTH MINES, M) is a therapeutic dietitian and food service supervisor at the Alumcrest Hospital, Columbus, Ohio.

CHERON L. GELBER (E) received her M.S. degree from Rutgers University in June.

Cadet HARRY J. DEITZER, Jr. (E) attended the Army Reserve Officers' Training Corps Basic Summer Camp at Ft. Knox, Ky., this summer.

KATHE GREGORY (A) received her M.F.A. degree from Rutgers University in June.

Mr. and Mrs. THOMAS M. KILGORE (E'69) and their son, Matthew Thomas, nine months old, are living at 2914 Four Towers Drive, Cincinnati, Ohio.

'70 THOMAS R. PIERPOINT (E) is a scientific programming engineer in the Singer-Kearfott Division, Wayne, New Jersey. He is also taking graduate courses at New York University in Industrial Engineering.

Mrs. Howard Rocklen (MARGOT FEINSON, A) has been working for an advertising agency in Bethany, Conn., as a designer. She showed several etchings in an exhibit in New Haven in March.

JAMES G. MEEHAN (AM), is presently serving three years active duty in the U. S. Navy Air Reserve.

LOUIS G. WALEWSKI (E), associate engineer, is in the circuit technology department at I.B.M., Boca Raton, Florida, presently engaged in research and development of R.F. electronic-mechanical position location systems.

ROBERT V. BURNIKEL (IA) is an engineer with Westinghouse Electric Corporation, Pittsburgh. Mrs. Burnikel is the former MARIBETH BOECKMAN (M).



Frey '70

U. S. Army Private 1st class GEOFFREY N. FREY (E) has been named outstanding recoilless rifleman of his advanced individual training company at Ft. Jackson, S. C.

MICHAEL S. BOBECZKO (E) is a consultant engineer with Bolt, Beranek & Newman, San Francisco.

MICHAEL D. MARVIN (IA) is a research associate for Research for Better Schools, Philadelphia, Pa.

STEPHEN LEE HECKMAN (E) is working as a civil engineering intern for the Pennsylvania Department of Transportation. Mrs. Heckman (CAROLINE BOZIC, HS) is employed as a substitute teacher with the Oil City Area Schools.

H. KARL KRUMMEL (E) is working as a process development engineer at the Ivorydale Technical Center of Procter and Gamble Company, Cincinnati, Ohio.

CAROLE S. LEBBIN (A) is an art teacher at McLean School, Inverness Campus, Potomac, Maryland. She is working toward her masters degree in education at George Washington University. Miss Lebbin was awarded \$1000 first prize by the Washington Chapter of the National Association of Arts and Letters in the field of graphic arts. She submitted one woodcut and two lithographs for the competition.

WILLIAM E. BAILIE (E) has been promoted to Pittsburgh Division engineer of the Peoples Natural Gas Company. In his new position, Mr. Bailie will direct engineering activities which help provide gas service to 85,000 Pittsburgh area customers. He joined Peoples Gas in 1966.

EUGENE E. MAZEWSKI (E) has been promoted to airman first class in the U. S. Air Force. Airman Mazewski is a liquid oxygen specialist at Mountain Home Air Force Base, Idaho.

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Bob McCurdy



The Director's Letter

The answer to a question frequently asked by alumni—"What is the Alumni Association doing to help students understand its purposes?"—lies in a process involving the students and the Association, and which begins a year or two before students reach campus.

The process starts when prospective students engage in admissions interviews conducted by 689 of our alumni who are trained in recruiting. Many of the prospects are so impressed by the alumni during these sessions that when they graduate they too want to take part in student recruiting. In addition most of our Clans sponsor receptions for incoming freshmen and prospective and current students in their areas. These receptions are well-received and give prospective students—and hence prospective alumni—an opportunity to see an alumni program in action and to learn of the valuable services performed by alumni.

Once accepted here and having arrived and registered for classes, the students receive a packet of materials through the courtesy of the Alumni Association. The packet contains materials which help the youths learn their way around the city and provide them with information about transportation, housing and cultural opportunities. Also in the packet is a letter from me and two associates welcoming the students to campus and offering our assistance.

During the past few years we have been experimenting with a career counseling program for sophomores, which brings them face to face with successful alumni who are working in fields the students are hoping to enter. This is an extremely important program which adds to the general learning process and will probably be conducted on a departmental basis over the coming year.

One of last year's innovations was a junior year job placement center operated in conjunction with

our Bureau of Placements. Through the new service alumni get the opportunity to help students find summer jobs which, in many instances, can develop into career positions. Thus students enjoy two summers of work experience and, perhaps, a better understanding of career choices.

Students in their senior year, who up to this time have had five contacts with alumni, are asked to staff a student-alumni contact center at Homecoming, bringing alumni up-to-date on campus life and providing them with tours. In March the seniors are invited to dinner by the Alumni Association, which presents a multi-media show describing what it means to be a good alumnus. We have used this program with a great deal of success over the past three years, and believe that the soon-to-be alumnus quickly learns that although he may go far away he can still help his university, and can't help but expect to perform similar services.

Although our younger alumni are becoming involved in all levels of alumni and university affairs, some of them want to go on to graduate school, here or elsewhere. The Alumni Association provides the prospective graduate students with lists of alumni who are faculty members, staff, or students at the proposed institutions to facilitate contacts and the acquisition of first-hand information.

Young alumni benefitted from the Alumni Association while they were students, and I'm convinced they want to help our university the best they can. By helping our present students become good alumni through the various Alumni Association programs described above, and by encouraging new graduates and our Clan officers to seek each other out for participation in Clan activities, we can maintain an outstanding alumni program for years to come.