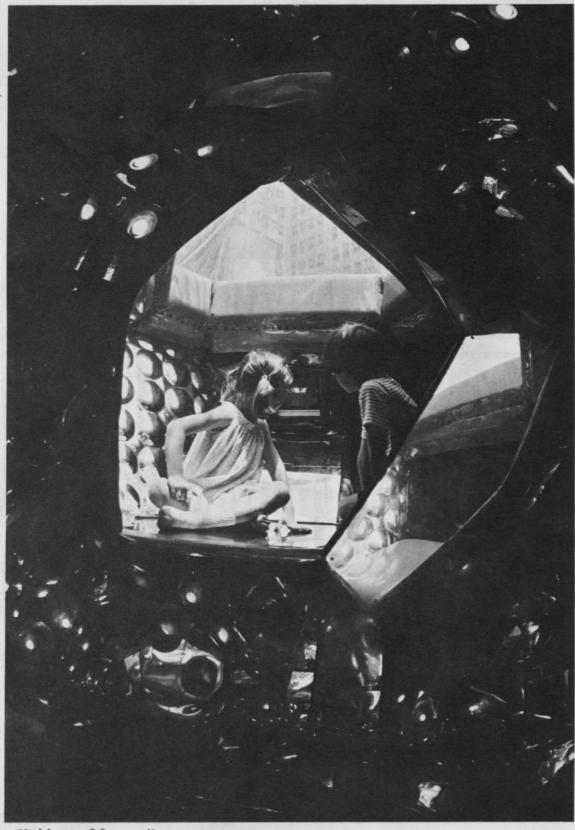
Photo by Richard Braverman



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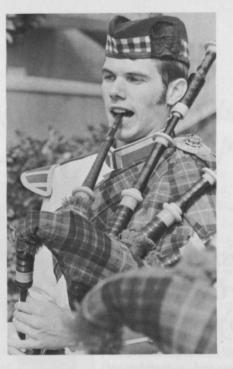
CARNEGIE



LUMNI NEWS

September 1971

CARNEGIE **NEWS**



published for the Alumni 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-

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





Captain Mitchell



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
- 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.

· 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 nondestructive 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.

Mrs. Koningsburg









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







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.

New Science Hall Provides Needed Space For Engineers, Scientists



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, 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 openadmissions 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

"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.

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

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 bioengineering; 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 threesided 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, Hamerschlag 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 bioengineering. Thomas Calvert, chairman of biotechnology 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 chemical, 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.

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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



Photo by Richard Braverman

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.

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-



Prioto by Kichaid Diaven

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 crystaline 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

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.

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).

American Alumni Council

1971 Certificate of Merit

in recognition of achievement and alumni program innovation
this Certificate of Merit is awarded

to

Carnegie - Mellon University Alumni Association
in the American Alumni Council Alumni Administration Awards Competition

Janear Sandar

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 grand-children.

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 problemoriented 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. Turne

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 co-operative 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 Paxton

Paxton, who has been teaching and conducting research at Carnegie-Mellon since 1953, is coauthor 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, Airco, 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

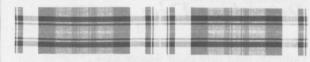
1966—Robert Rothfus, Chemical Engineering

1967—Oleta Benn, Music

1968—Beekman 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.

alumni and friends.
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Many '71 Graduates Mum On Jobs, Placement Report Shows

The most that can be said about employment of Carnegie-Mellon University students who graduated this year is that they appear less willing to talk about it than ever before.

That's how Dennis Ryan, director of the placement bureau here, sizes up a survey of the 1,141 students who received bachelor's, master's and doctoral degrees last May.



I. Dennis Ryan

The study, completed last October, shows that 367 of all the graduates, or 32 percent, got jobs; 430 or more than 37 percent went on to graduate schools, joined the military, were still making plans or remained simply unemployed, and 344 or 30 percent did not reply to placement bureau inquiries.

"The tendency of graduates not to answer questions about their jobs or other aspects of their personal lives has been increasing through the years," Mr. Ryan declared.

"It's societal," he observed. "I think they're looking for more privacy in their lives."

The unemployment rate for the graduates, Ryan pointed out, is about the same as it was for Carnegie-Mellon graduates the previous year and approximates national trends, especially in engineering and the sciences. He noted also that unemployment among this year's graduates did not change despite a 30 percent reduction in the number of recruiters who visited campus.

"I think our students realized that the employment situation was tight," Ryan said, "and worked harder on their own for jobs."

Ryan did not say at what rate non-responses have been increasing annually, but indicated that the present 30-percent figure is "significant."

Fine arts graduates, the study shows, had a 54.5-percent rate of non-responses, the highest of any of the colleges. The lowest rate of non-responses—or the highest number of graduates willing to disclose their job status—turned up among students who took degrees in administration and management science, economics, and psychology.

Humanities and social sciences graduates turned in a 48-percent rate of non-responses, and graduates from Margaret Morrison Carnegie College, 29 percent. In Mellon Institute of Sciences, the rate was 25 percent.

According to the report the bachelor's degree recipients, who had the lowest rate of employment compared to holders of master's and doctoral degrees, held the highest rate of non-responses. The inverse was true of doctorate winners.

While 27 percent of the graduates with bachelor's degrees reported they took jobs, 37 percent failed to report anything at all. Among the holders of doctor's degrees, 63 percent went to work, and only 17.5 percent fell into the no-response category.

Here are the placement bureau figures on how many of this year's graduates were employed as of October 22:

- Margaret Morrison Carnegie College—23, or 48 percent of a total 48.
- Administration and Management Science, Economics and Psychology—60, or 40 percent of a total 151.
- Carnegie Institute of Technology—147, or 38 percent of a total 389.
- Mellon Institute of Science—58, or 28 percent of a total 205.
- Humanities and Social Sciences—35, or 24 percent of a total 144.
 College of Fine Arts—44, or 21.5 percent of a
- College of Fine Arts—44, or 21.5 percent of a total 204.

The bureau report also shows that 241 graduates,

or 21 percent of the total, said they undertook graduate studies; 38 or 3.5 percent entered the armed forces; 64 or 5.5 percent had no immediate plans for employment, were planning to travel, or return to their native countries, and 87 graduates or 7.5 percent stated outright that they had not yet acquired jobs.

Another 344 graduates, however, remained mum.

Four Overseas Trips Available to Alumni

The Carnegie-Mellon Alumni Association has arranged four tours for the spring and summer of 1972 including two to Russia.

A Roman Holiday is scheduled from March 4 through 12 with headquarters at the Boston Hotel just off the Via Veneto and sightseeing tours of ancient and modern Rome. Jet flight will be from Pittsburgh. The price is \$359 plus \$30 for tax and services. This will be a charter flight.

The Russian trips are Russia and Eastern Europe

July 12 through August 2. Leaving from New York this tour will feature two nights in Berlin, three in Bucharest, one in Brasov, two in Kiev, four in Moscow, three in Leningrad, two in Warsaw and three in Prague. Total cost of the tour is \$1,398.

Second Russian tour is Alaska and Russia via Siberia and leaves from Seattle, Washington. It includes visits to Anchorage, Khabarovsk in Siberia, Irkutsk, Tashkent, Samarkand, Sochi, and the Black Sea, Moscow, and Leningrad. Total cost for this tour is \$1,698 from Seattle.

A visit to Hawaii and Waikiki Beach has been planned for July 1 to July 8 leaving from Pittsburgh. Participants will stay at the luxurious 25 story Holiday Inn Hotel which offers views of Diamond Head or Waikiki. Total cost is \$299 plus \$30 for tax and services. The flight is chartered.

Participation in all charter flights is limited to members of the Alumni Association of Carnegie-Mellon University and members of their immediate families. There is a limited number of space on each tour so reservations should be made early.

Design Prof Unseats 'Beer-Can' Pack in Urban Transit Vehicles



Professor Lepper

Urban commuters would probably use short-haul mass transit vehicles more frequently if the seats were designed for a "pack" related to people rather than "beer cans," a professor of design here says.

Robert L. Lepper says that the "beer-can or shoulder-to-shoulder pack" of traditional seating forces riders into contact with seatmates, resulting in prolonged face-to-face interactions and other psychological and physical stresses.

The upshot, according to a study by Mr. Lepper and Robert K. Moorhead of Renssalaer Corporation, Troy, N.Y., is that riders seek more private modes of travel, or remain "condemmed" to minimal accommodations.

The study has received notice in publications including Technology Review, Urban and Social Change Review, and Science Digest.

"If the rider is on his first or one-hundredth trip in a superbly air-conditioned and vibration-free vehicle of a splendidly-planned new system which operates on an ideal schedule at half the fare of the old system," Lepper states, "he will be ultimately miserable if he is exposed to, or confronted with, invasion of his person, or indignities by neighbors." Lepper proposes replacement of conventional longitudinal and crosswise seat designs on buses, trolleys and subways with single seats facing into the aisle at an angle. The new arrangement, he says, would reduce stresses by offering the rider more privacy and ease of movement.

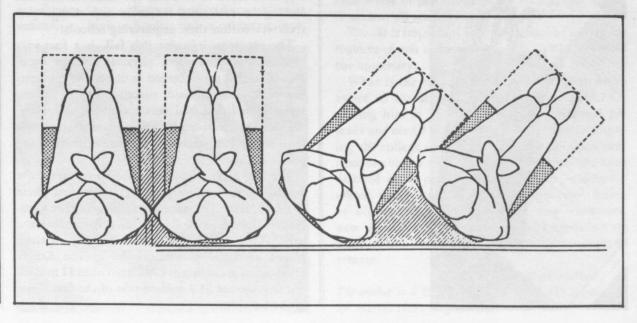
"The single seat in series and on an angular basis is clearly-defined territory for a passenger," he explains, "and provides a pack related to people rather than beer cans."

Lepper points out that creation of such territories reduces "threats of independence" derived not only from bodily contacts but from different codes of behavior among various social, economic, and occupational groups. He cites as "threats," or causes of distress, elbows, newspapers, brief cases and shopping bags, body odors, wet or soiled clothing, drunkards, oglers, sprawlers, sleepers, and "irrational prejudices."

"Any seasoned rider can expand the list," he notes.

The proposed single seats and shift in axis would add two to two-and-one-half inches to aisle widths, according to Lepper, and would reduce the psychological stress resulting from "aisle turbulance" and impeded entry and exit characteristic of traditional seating patterns. The new design would also permit accommodation of as many riders seated and standing as the conventional design, he says.

Lepper says that one alternative to the proposed design would be the elimination of all seats, thus making it easier for riders to escape specific sources of stress. Another one, he says, would be to abandon urban-transit vehicles for mini-car systems.



A

Edward E. Smuts

Alumni Exec Board Gets New Officers

The Alumni Association has announced the election of several new officers to its executive board.

They are Edward E. Smuts (E'45), president; Maxwell H. Connan (E'39), president-elect, and John W. Ewalt (E'36), president ex-officio.

New vice presidents are Paul C. Roosa (E'40), Region I-A; Robert C. Straka (E'47), Region II; Dr. Daniel L. Klesken (E'67), Region IV, and Bob Mellon (E'38), Region VI.

In a separate action the board appointed Lester R. Smith (E'39) forum chairman, Irving B. Gruber (E'36) alumni fund chairman, and Vincent Misitano, student representative. Mr. Misitano is president of student government.

A recording secretary has not yet been selected. The executive board will hold its next meeting Jan. 14-15.



Dean Cyert

Management Institute Elects GSIA Dean

Richard M. Cyert, dean of GSIA, has been elected the new president-elect of The Institute of Management Science (TIMS).

Beginning this October Dean Cyert serves a oneyear term as president-elect, a year as president and a year as past president of the prestigious Institute. Cyert, who is a charter member of TIMS, will continue as dean of GSIA.

TIMS is an international society of leading scientists and executives in business, labor, government, teaching and research whose purpose is to advance scientific knowledge in management and improve management practices. Founded in 1953, TIMS has some 5,000 members, maintains research centers in the management sciences in The Netherlands and Mexico and publishes the influential monthly, *Management Science*. TIMS headquarters are in Providence, Rhode Island.

Cyert, a leading spokesman for more analytic management practices, has been with GSIA since 1950 and was appointed dean in 1962. He is a member of the Federal Reserve Bank's Pittsburgh Board, chairman of the Research Advisory Committee of the National Planning Association, and a member of the board of editors for Behavioral Science and Administrative Science Quarterly. He has written books on the theory of the firm, applied statistics, and sampling techniques in accounting, and has made many contributions to economic journals. This past spring he was named to the Board of Directors of Gemini Computer Systems, Inc., an international computer software company.

Dean Cyert holds a Ph.D. in economics from Columbia University, and won fellowships from the Ford Foundation in 1959, and the Guggenheim Foundation in 1967.

Grades-No Grades Some Student Thought

The Tartan editorial below by Editor Doug Campbell touched off generally heavy campus response on the issue of grades versus credit/no entry, or other grading systems. One of these responses, solicited by the Alumni News editor, follows Campbell's editorial. The authors are Mina Gerall, a junior self-defined major in H&SS, Peter Georgiades, a junior psychology major, and Stephen Jurman, a junior self-defined major in history.

Real cute. Here I am, a junior in the whopping new College of Humanities and Social Sciences, with \$6,000 already invested in a college degree, and I find out that the chairman of the admissions committee at Yale Law School feels a credit/no entry grade "... really amounts to the equivalent of no grade at all."

Here I am, planning to invest another \$4,000 of poppa's money into my very own credit/no entry college degree, and the director of the University of Pittsburgh Law School says of credit/no entry grading, "we don't know how to take it; generally, we just pass right over it."

Just pass right over it! How'd I do? According to my computation: \$10,000 + 4 years = one puzzled admissions director + "the equivalent of no grade at all" = one credit/no entry B.A. in English = 0. I think I blew it.

Well, where did I go wrong? First of all, I failed to recognize what every decent graduate school in the world recognizes: mainly, that not only is the typical college undergraduate one of nature's least imaginative and uninspired creatures, but that it is without doubt unequalled by any other creature in its lack of motivation.

Consequently, during my first two years here I swallowed all that avant-garde academic tripe about "an education without grades, an education in which you compete only with yourself." I like the idea, it presents an ideal situation, it describes true education; but true education requires true students, students who are disciplined, dedicated scholars, not the intellectual dabblers and academic hedonists that we are.

So don't talk to me about educational ideals. For \$2500 a year I will not be sacrificed on the altar of educational experiment to the god of educational innovation. I want a good job, and I want a future. If I only wanted an education I would have got myself a library card and read good books. . . for free. But I'm paying for a college degree; get me into a good graduate school.

Most graduate schools are quite willing to accept credit/no entry grades in non-major courses. But, according to the admissions director at Stanford Medical School, when a student must or does take a majority of his courses on a pass/fail (credit/no entry) basis, '. . . it is absolutely mandatory that the admissions committee receive very detailed information regarding his instructor's perception of his (the student's) ability to do course work in order that he receive a fair hearing.' This puts the H&SS graduates at a disadvantage, since many graduate schools don't have time to read recommendations, no matter how flattering.

A recent study done at the University of Minnesota indicated that students who took a course pass/fail did poorer than students who took the course on a graded basis. A study at Dartmouth revealed that pass/fail students did much less required work, attended class less often, and would have received a final grade one full letter lower than other students. The same was found to hold true at Princeton.

Thus, the attitude of a graduate admission officer at the University of Miami, "As far as insuring a firm command of a particular discipline's basic skills is concerned, it (pass/fail, credit/no entry, etc. . .) is not such a hot idea."

Great.

Fortunately, H&SS does offer an honors (H) rating in its courses, which may be some aid in graduate admission. H represents H&SS's acknowledgement of the practical necessity of the traditional

letter-grading system. But will some H's in a portfolio of passes be enough to keep graduate schools from "passing right over" H&SS transcripts?

Education is not necessarily inconsistent with traditional grading. Is the credit/no entry system worth the problem it presents? Dean Steinberg, say something reassuring.

Doug Campbell Editorial Tartan, Oct. 28

A Response

Weary as we are of the whole grading issue, having fought this battle for three years, we could not let Doug Campbell's editorial of October 28th stand unchallenged. At a time when anxieties about graduate school admissions are increasing, and concerned students and faculty are raising questions concerning the future of our Honors-Credit-No Entry grading system, what is needed is accurate information and objective evaluation. Instead, Mr. Campbell has presented erroneous assumptions, unsupported premises, and misleading evidence.

How can one come to the conclusion that, "every decent graduate school in the world" recognizes that "the typical college undergraduate" is "one of nature's least imaginative and uninspired creatures," and "that it is without doubt unequalled by any other creature in its lack of motivation"?

That is an unwarranted assumption, as are the assumptions that "we" are undisciplined "intellectual dabblers and academic hedonists". It is extremely unlikely that one who places so little value on education for education's sake (paragraph 5 Editorial) would be a competent judge of the educational motives of others.

What he offers by way of concrete evidence is clearly misleading. The studies cited to support the contention that students under an Honors-Credit-No Entry system produced less work are inconclusive for two reasons. First, they were of a Pass/Fail, not an Honors-Credit-No Entry system. Secondly, they were done on students who took only a few pass/fail courses while the bulk of their studies were graded according to the traditional grading system. More importantly, only half the evidence appears. In the research producing the cited University of Minnesota and Dartmouth data, results of an opposite nature were procured for the University of Michigan and Princeton¹.

To date no conclusive evidence has been submitted either confirming or disproving the effectiveness of Honors-Credit-No Entry grading.

Concerning the inclusion of various quotes from graduate school officials, they come from many sources, solicited in many, often prejudicial ways. For every negative comment thus far, there has been a positive comment from another equally respected source. The University of Chicago wrote, "I do not think that your grading system would prejudice us against an applicant from Carnegie-Mellon." From Stanford University, "I would think, therefore, that any really strong candidate from your school would not be hurt in the least by your grading system, as long as it was explained to our admission committee."

The issue of grades is far from decided. There is a grading system evaluation committee now engaged in gathering evidence in an organized, impartial fashion. The results of their efforts will be available in approximately two weeks. At that time we, as a college, can determine the most appropriate course of action, based on solid evidence, not emotionally colored, incomplete evidence or personal opinion.

Mina Gerall Peter N. Georgiades Stephen Jurman

¹Charles B. Johansson, Jack E. Rossmann, Sandra D. Sandell, "The S-U Grading Option at Macalester", *Educational Record*, Summer 1971.



Execs on Campus For Nine-Week PFE Course

The Graduate School of Industrial Administration's 19th annual Program for Executives (PFE) will begin in January. The nine-week course for middle and top management will be held from January 23 to March 24, and is expected to again draw managers from around the world to the CMU campus.

Already known for the variety of its student body, the PFE will include in its Class of '72 at least one woman, the first ever to participate in the Program. She is Shirley McDonald, manager of the Self-Service and Contact Division of the U. S.

The Program, in applying modern concepts and techniques in the management of complex activities, attracts managers with a wide range of backgrounds. Although more than one-half of the applicants are technical specialists who have worked their way up to management positions, applications from managers with master degrees in business administration are increasing. Companies sending "students" to the Program extend in size from small consulting firms to multi-national corporations like PPG Industries, Westinghouse Electric Corp., and Shell International Petroleum Co. A substantial number of the executives are from abroad. In addition to managers from business and industry, the Program enrolls career executives from key federal agencies and such foreign government agencies as the Bank of Italy.

Further information on the Program may be obtained from Bernard P. Goldsmith, Associate Dean, Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213. Phone (412) 683-4933.

Student Unrest Is Forum Topic

Herbert A. Simon, associate dean of GSIA and R. K. Mellon professor of computer science and psychology, will discuss "What Were the Students Revolting About?" at the next Carnegie-Mellon Forum Wednesday, January 26.

Professor Simon's thesis is that "student unrest was really adult unrest, the unrest of adults trained in the humanities who felt out of the action in our heavily scientific and technological world."

The program will be held in Skibo Activities Center and will begin at 6 p.m. with cocktails at a cash bar in the Wherrett Room. Fee for the Forum is \$4, which includes dinner.

For further details contact the Alumni Office.

Two Profs, Alumnus Win Major Awards

Two Carnegie-Mellon University professors and an alumnus won awards this fall for achievements in their respective fields.

The prize winners are Allen Newell, University Professor; Milton C. Shaw, head and professor of mechanical engineering, and Gabriel J. DeSalvo, senior engineer at Westinghouse Electric Corporation's Astronuclear Laboratory, Pittsburgh.

Dr. Newell received the Harry Goode Memorial Award for 1971 from the American Federation of Information Processing Societies for "extraordinary contributions" to the development of information

Dr. Shaw and Dr. DeSalvo won the third annual Wilson Award from the American Society for Metals and the American Chain & Cable Company for a joint paper on the role of elasticity in hardness

DeSalvo earned his M.S. and Ph.D. degrees in mechanical engineering here in 1963 and 1968.

Newell, who has been on the Carnegie-Mellon faculty since 1961, and who earned his Ph.D. here in 1957, was cited for his (1) pioneering research in artificial intelligence, psychology and computer science; (2) contributions to advanced digital programming, programming language development, and computer architecture, and (3) leadership and outstanding work in education of young people.

Earlier this year the Mental Health Research Institute announced a study which placed Newell and Herbert A. Simon, who is R. K. Mellon Professor of Computer Science and Psychology in the Graduate School of Industrial Administration, among those scholars who have contributed to the greatest advances in the social sciences since 1900. (See Alumni News, May, 1971).

Newell is author or co-author of more than 80 articles and books, is a consultant to The RAND Corporation, and is a member of numerous scientific and professional organizations, including the American Association for the Advancement of Science, and the New York Academy of Sciences.





Shaw came to Carnegie-Mellon in 1961. From 1946 until that time, he was at Massachusetts Institute of Technology, where he taught mechanical engineering and headed the Materials Processing Division.

At Carnegie-Mellon he was instrumental in the establishment of the Processing Research Institute, and is its director.

Shaw earned degrees at Drexel University and the University of Cincinnati, and holds the George Westinghouse Award of ASEE for Excellence in Teaching, the ASTE Gold Medal for Fundamental Research Contributions, and other honors.

DeSalvo was employed by Westinghouse in 1968 to conduct structural analysis of the NERVA engine. He conducted research in the solid mechanics field at Carnegie-Mellon from 1962 to 1968, and presently teaches an engineering course here.

The alumnus earned his B.S. degree at the University of Pittsburgh, has served at the Los Alamos Scientific Laboratory and the Lawrence Radiation Laboratory, and holds awards for work in mathematics and design.



First U. S. Show For German Artist At Hunt Botanical Gallery

The watercolors of German artist Claus Caspari are currently on view at the Hunt Institute for Botanical Documentation in an exhibit titled "Animal, Vegetable, Mineral." It is his first show in the United States.

The exhibit is composed of 138 paintings of flowers, fungi, insects, fish, and minerals. The paintings of Caspari, a naturalist, are both aesthetically appealing and representationally accu-

The artist is known in Europe for his flower work for the Erich Cramer calendar series and to the scientific world for his illustrations in many books on natural history.

The paintings include work done in various parts of Europe as well as Kenya and Tanzania and date from 1936 when Mr. Caspari began painting to the

The Penthouse gallery is open Monday through Friday from 9 a.m. to 5 p.m. The exhibit will continue through March 31, 1972.



Placement Plan

The Alumni Association and Placement Office have joined in a cooperative effort to provide part-time and full-time employment for CMU students. The objective is to encourage alumni to offer CMU students employment and also to locate job openings in companies which do not recruit on campus. It is hoped that, just as alumni participate in the CMAC program, alumni will be interested in assisting students in achieving their professional goals. Alumni who wish to participate should contact the Alumni Office.

Thistle Sale

The Alumni Association in cooperation with Mortar Board-Senior Women's Honorary-have announced plans to sell past issues of the CMU yearbook-The Thistle. Yearbooks are available for 1961, 1967, 1968, 1969, 1970 and 1971. Prices are as follows: First book, \$5.00; Second book, \$4.00; all others \$3.00 each. Prices include handling and mailing. Mortar Board is planning to donate all funds for CMU scholarships. Alumni who wish to purchase books should contact Jerry Kleinman, Associate Director of Alumni Relations.

Kodak Grant

The Eastman Kodak Company has awarded an unrestricted direct grant of \$1,500 to Carnegie-Mellon University.

The grant is based on the number of graduates of privately supported colleges and universities who joined the firm upon graduation and are presently completing their fifth year of employment.

Named by the company was Neil W. Richards, a native of Canfield, Ohio who graduated here in 1966 with an M.S. degree in industrial administration.

The company contributed \$750 for each year of academic work completed at the graduate level.

New Alumni Directory

The Alumni Association has contracted with the Bernard C. Harris Publishing Company of New York City to publish a National Directory of Alumni at no cost to the University. Alumni will be listed alphabetically and geographically.

All Alumni will receive a questionnaire requesting the necessary information for the directory. Early in March each alumnus will receive a call from the publisher to confirm the information and to provide interested alumni with an opportunity to purchase a directory or advertise in it. This advertising will support the publication; the University will not receive any of this revenue.

The Bernard C. Harris Publishing Company has published directories for M.I.T., Stevens, Lehigh, Lafayette and many national and local fraternities.

Quartet Concert

The Alumni Association will sponsor a concert by the Carnegie-Mellon String Quartet in Skibo Ballroom, Wednesday, Jan. 12 at 8:30 p.m.

The concert will feature Irvin Kauffman, classical guitarist who teaches at Carnegie-Mellon. He will perform *Quintet for Guitar and String Quartet* by Castelnuovo-Tedesco.

Also on the program are String Quartet, Op. 61 in C Major by Dvorak, and String Quartet, No. 2, Op. 16 by Hindemith.

Tickets may be obtained from the Alumni Association or at the door.

Faculty Death

Thomas R. Alexander, associate professor of chemistry emeritus, died early this fall at the Wightman Manor Convalescent Home. He was 86.

Dr. Alexander was on the Carnegie-Mellon University faculty from 1916 to 1953. He was named assistant professor in 1919, associate professor in 1927, and was acting head of the department from 1937-1938. He retired in 1953. From 1931-1932 he served as chairman of the faculty. Dr. Alexander was a charter member and first president of Sigma Xi chapter. He had been a member of the University of Pennsylvania chapter.

He received his bachelor of arts and master of arts degrees from Washington and Jefferson College and the doctor of philosophy degree from the University of Pennsylvania in 1915.

He is survived by his wife, Edith Winchester Alexander and three sisters, Mrs. Robert D. Christie of Pittsburgh, Miss E. Margaret Alexander of Washington, and Mrs. Arthur F. Pond of San Marino, California.

Clan News

The Columbus Clan members met on October 22 at Battelle Memorial Institute for what was titled "Catching Up Night."

Reports were made by Robert Best regarding the visit of the CMU Admissions officer to the Columbus area. He met with our Admissions Chairman, Bill Kern, and Bob Best and Louise Blankenship, the local committee. Members were urged to pass along any information regarding prospective students to one of the committee.

Ben Freudenreich and Louise Blankenship reported on recent visits to Pittsburgh for Homecoming activities. Mr. Freudenreich gave a lengthy report on the Alumni Federation meeting and some of the matters discussed.

The rest of the evening was given over to a showing of slides of two members' travels—the Freudenreichs' to Japan and Thailand; Louise Blankenship's to Switzerland, Austria, Germany, France, Italy and England.

Refreshments were served.

Our next meeting will be January 29, 1972, the time, place and speaker to be announced later.

THE PITTSBURGH EAST HILLS CLAN held their first event of the 1971-72 year. It was a casual evening focused on a discussion by Dr. Beekman Cottrell from CMU, on the subject of nudity on stage and screen titled "After Nudity-What?"

The clan Board of Governors is planning a dinner meeting to be held tentatively on February 25, 1972. They hope to have a tour of the new Heinz Hall for the Performing Arts after the dinner.

THE FLORIDA SUNCOAST CLAN held a Board of Governors meeting at the home of President Norman W. Lindsay on September 26, 1971. At this meeting it was unanimously decided that Expresident Ira W. Grande should accept the "Clan of the Year" award at the CMU Homecoming on October 16. Don Rebholz will attend the Alumni Council meeting at the same time.

The first activity of the Clan for the year was a dinner meeting on Sunday, November 14, at the Hilton. Peg Martz was in charge of the music program. In February, Bes Kimberley of the CMU drama department will appear before the Suncoast Clan at a dinner meeting. In May, the clan will repeat the boat ride to Bahia Beach which was enjoyed so much last year.

The Long Island Clan held its annual Spring Gathering at the Clan Headquarters, Conart Building, 240 Glen Head Road, Glen Head, N.Y. on Sunday afternoon, May 23, 1971. More than 50 alumni with wives and children enjoyed a mouth-drooling Buffet Lunch and cooling Refreshments. A good time was had by all.

The following officers for the 1971-1972 year were nominated and elected: President, Larry Swetonic (E'67); Treasurer, Prentiss F. Taaffee (PM'55); and Secretary, Jane Farrelly (M'35).

The Board of Governors, meeting each month, discussed greater coverage of the High Schools on Long Island for more thorough student recruitment.

The Pittsburgh Architectural Clan is planning three events for the 1971-1972 season. The first will be a meeting on campus with students from the Department of Architecture. The second, to take place in the winter, will be a tour of Heinz Hall. The third, to be scheduled some time in the spring, will be a tour of a notable new office building in the Golden Triangle, followed by a dinner.

The officers, serving for their second year of a two-year term are: President, Lambert Wise (A'35); Vice-president, Nathan Levenson (A'41); treasurer, Eleanor Boyd Dickerson (A'39); and Secretary, Jane Harrold Bowers (A'38).

The Pittsburgh Men's Clan will hold its annual Christmas Party this year on Monday, December 13, at the Roosevelt Hotel. The festivities will commence at 11:30 A.M. and the CMU Musical volunteers will rollick as usual. All Pittsburgh alumni are cordially invited.

Meanwhile, the Monday weekly informal luncheons are held in the Sylvan Room of the Roosevelt Hotel. Come in and enjoy a bite to eat with your old class-mates.

THE PITTSBURGH NORTH HILLS CLAN held a very successful meeting and tour at the historic Old Economy Village in Ambridge, Pennsylvania, on Sunday, October 31, 1971.

The clan's winter meeting will feature Mr. Sidney Winikoff who will present a program and slide show of Pre-Colombian art. The date has been set for January 21, 1972, and will be held at the Red Bull Inn.

Clan officers for the 1971-72 year are: President, Ron LeJeune (E'64); Vice-president, Eleanor Fetherston (M'44); and treasurer, Harley Scott (E'64).

THE WEST COAST DRAMA CLAN attended press opening night of "Godspell" at the Mark Taper Forum, November 3. "Godspell" is a new off Broadway hit musical, originally conceived as a Carnegie-Mellon masters degree project by John-Michael Tebelak. Most of the cast are also Drama Department students.

After the performance clan members met the Company at an informal party.

The Board of Directors has elected the following new officers:

The Board of Directors has elected the following new officers: President, Al Checco (A'47); Vice President, C. Carson Parks (A'58); Recording Secretary, Irene Tedrow (A'29); Corresponding Secretary, Charles Ashbaugh (A'37); Treasurer, Herb Polesie (A'25).



Dee Andella (Plaid Jacket) presents plaque to Howard Joynt as Clarence Weisenstein and Wanda Garver look on.

THE WASHINGTON CLAN held its annual fall dinner on Oct. 22, at The Gallery of Blackies' House of Beef. Wanda Garver was present and showed her slides of CMU's Alumni trip to Costa del Sol.

John Howard Joynt was awarded a plaque for outstanding achievement in Clan activities.

On October 25, members of Washington CMAC met with Fran Grodecoeur at a luncheon at the International Club. This meeting was instructive as well as a very pleasant social affair.

Classes

'08-'19 ERNEST F. FISHER (E'09), a Westinghouse Electric retiree, is presently working for the Faraday Engineering Company in the abatement of air and water pollution. The Fishers are living in Concord, New Hampshire.

Dr. GUY KELCEY (E'14) is still active in the consulting engineering firm of Edwards and Kelcey in Newark, N.J. His firm has had a major responsibility in the highway projects of the New Jersey Turnpike, the Garden State Parkway, and the New York State Thruway. Dr. Kelcey has been an advisor to the Newark College of Engineering.

CHARLES H. LEVINE (E'15) is chairman of the board of the baseball club, the Charleston Charleys in Charleston, West Virginia. Mr. Levine and his son head the Raleigh Junk Company in Charleston.

NATHAN H. FALIK (I'16) is retired and is living in Pittsburgh. DONNELL D. REED (I'17), vice president of administration, Pittsburgh National Bank, Pittsburgh, is a member of the Pittsburgh City Planning Commission. He is also a member of the Action Housing Board and past president of the Greater Pittsburgh Real Estate Board. He is a director of St. Johns General Hospital. His son, DONNELL D. (IM'55) is a graduate of Carnegie-Mellon and the University of Pennsylvania Law School.

esther friedel (L'15) is retired and is living in a retirement home in Detroit, Michigan.

The Alumni Office has learned of the death of CLIFFORD S. PHILLIPS (E'08) on June 12, 1971. His home was in New Orleans, Louisiana.

The Alumni Office has recently been notified of the death of ANNE ELIZABETH LILLY (L'09) of Burlington, Iowa, in December 1969.

JAMES W. JONES (E'10), of Akron, Ohio, died August 7, 1971. He was retired from Portsmouth Steel Corporation.

Mrs. C. C. Roller (frances kempel, M'10), of Youngstown, Ohio, died on August 23, 1971.

The Alumni Office has learned of the death of Mrs. Robert Fotheringham (HILDA REINHOLD, M'11) on July 23, 1971. Her home was in Clearwater, Florida.

Mrs. Philip E. Hamilton (EDNA C. ATWOOD, M'11), of Wayne, Pa., died September 1970.

The Alumni Office has been notified of the death of Laura B. Green (M'12), of Pittsburgh, on July 28, 1971.

The Alumni Office has recently learned of the death of JAMES K. LAMOREE (E'12). His home was in Walnut Creek, California. Mrs. J. Allen Morehouse (MARY HUGHES, L'14), a retired librarian, died August 5, 1971. Her home was in Canton, Ohio. GRACE ENDICOTT (L'15), of Arlington, Virginia, died March 1, 1971. She had been a librarian at the Free Public Library in Paterson, N.J.

The Alumni Office has learned of the death of Jane L. Montgomery (M'15) on May 16, 1971. She lived in St. Petersburg, Florida.

ELVIN W. OVERDORFF (I'15), of Johnstown, Pa., died August 22, 1971. He was founder and retired president of Quaker Sales Corporation, where he was board chairman. He was a member of the State Industrial Board. He was also a member of the board of directors of Cambria Savings & Loan Association for 25 years and of the Conemaugh & Black Lick Railroad Co.

ARCH H. COWAN (E'16), of Belhaven, N.C., died on March 22, 1971.

HERBERT C. SMITH (I'16), former superintendent of the Bell Telephone Company, Greensburg, Pa. district plant, died October 9, 1971. He retired in 1967 after working for Bell 44 years. He was a past president of the McKeesport Council of Telephone Pioneers.

The Alumni Office has been notified of the death of sophus NELSON (I'18), a real estate salesman with Jim Young Realty, St. Petersburg, Florida.

HERMANN OBENAUFF (I'16), of Pittsburgh, died March 26, 1970. JOHN G. JUERGENS (E'19), a retired Washington Naval Gun Factory metallurgist, died on April 24, 1971. He was living in Sarasota, Florida.

'21 CHARLES A. H. PEARSON (A), former head of the music department at Carnegie-Mellon, is continuing his responsibilities as organist and choir director of Rodef Shalom Temple, Pittsburgh.

Dr. PAUL L. HOOVER (E), of Cleveland, Ohio, died August 30, 1971. He was adjunct professor at Cleveland State University.

JAMES W. LEA (E), a retired sales manager with the Atlanta Gas Light Co., Atlanta, Georgia, died August 6, 1971. He was past president of the Sales Executive Club.

The Alumni Office has learned of the death of WILLIAM M. PRICE (I) on May 26, 1971. His home was in Lakeland, Florida.

The Alumni Office has been notified of the death of GEORGE W. CURTIS (E). He was a retired division manager with Timken Roller Bearing Company, Milwaukee, Wisconsin. His home was in Fort Myers, Florida.

FRED K. MAYER (I), of Pittsburgh, Pa., died June 3, 1971.

NELSON P. RICE (A), a retired architect in the Encino, California, area died August 14, 1971. Among his survivors is his wife the former HELEN JOHNSON (A'24).

²²³ Dr. f. H. Allison, Jr. (E) is technical director of the Roll Manufacturers Institute, Pittsburgh.

H. M. COOLBY (E) has been appointed vice president of a new research and development department of Advertising Engineers Inc., Tulsa, Okla. Mr. Cooley is a retired metallurgical engineer with Bethlehem Steel Company.

Classes

24 WALTER C. FRANKE (I) is sales correspondent for Armco Steel Corporation, Englewood Cliffs, New Jersey.

ADAM S. HAHN (I), owner and creator of America Wonderland, Denver, Pa., died June 15, 1971. He operated a Western Auto Store in Newfoundland, Wayne County, from 1942 to 1956. The America Wonderland, a tourist attraction on the Lancaster Pike, is a panorama of American heritage in miniature hand made models.

JOSEPH H. HAYNER (E) has retired from the New York State Civil Service Commission. His home is in Norristown, Pa.

GLEN E. GORDON (E) has retired as chief of the Administrative Finance Section, U.S. General Accounting Office, Washington, D.C., after 41 years of Government service. His home is in Arlington, Va.

'26 CHARLES E. CRAW (PM), of West Lafayette, Indiana, died July 12, 1971. He was a retirement home developer with Samaritan Foundation, Inc.

FREDERICK C. PATERSON (I), of Bradford, Pa., died August 9, 1971. He owned and operated the Fred C. Paterson Plumbing, Heating and Air Conditioning Co. until 1952 when he moved to Mobile, Alabama. He moved to New Zealand in 1961 and returned in 1963. Among his survivors is his wife the former (MARY E. MATTER, A).

27 sydney forbes (I) built a home on the waterfront on the Eastern Shore of Chesapeake Bay where he now lives in retirement.

LEONARD C. FLOWERS (E) is retired from his position as advisory scientist at the Westinghouse Research Laboratories. Mr. and Mrs. Flowers live in Murrysville, Pa.

RAYMOND W. HURD (E), retired vice president for West Penn Power Company, volunteered for the International Executive Corps. He spent three months in Ethiopia advising the Ethiopian Electric and Power Authority on expansion plans.

28 EVERETT M. WHITE (E), manager of Mine Safety Appliances Company's Mining Division, was elected president of the Pittsburgh Chapter, Veterans of

Mr. and Mrs. Kenneth M. Mulholland (A), are still living in Butte, Montana. Mr. Mulholland has retired from the electric department of the Anaconda Company. He is now the manager of the Butte Civic Center. Mrs. Mulholland devotes spare time to Duplicate Bridge which she helped establish locally 25 years

ago. The Mulholland's have three grandchildren.

The Alumni Office has recently been notified of the death of Mrs. Duncan W. Livingstone (Clara L. Roth, M). Her home was in Fort Lauderdale, Florida.

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

Editor	Regis J. Ebner
Associate Editor	Daniel Small
Class Notes	Donna Stephens
Contributing Editors	Ted Flickinger
	Roland King
	Jane Shaw
	Barbara Hobbs
Graphics	John O'Connor
	Vicki Mauclair
Photography	J. Donald Yenick
	Barbara Runnette
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RUSSELL M. WEIGLE (E), superintendent of the Rolling Mills, retired from the Steelton plant of Bethlehem Steel Corporation, after 37 years of service.

FRANK ZOZZORA (A), professor emeritus in engineering and former chairman of the general engineering department at the University of Delaware, has been named a "Life Member" of the American Society for Engineering Education. He is one of only 32 engineering educators to receive this distinction among a world-wide USEE membership of nearly 37,000.

PAUL L. MC KEEVER (E) has retired from Armco Steel Corporation. His home is in Butler, Pa.

Colonel IRA W. GRANDE (I) and his wife spent two vacation months of July and August in Ajicic, Mexico. They were royally entertained by Mr. and Mrs. Marcel Bussard (ELSA M. GEIBSER, A'24). Mrs. Bussard was the first woman to graduate in architecture from CMU. On July 20 the Grandes entertained at a luncheon for the Bussards and for Mrs. and Mr. Duane Bellinger

(PATRICIA TURTON, A'45). The Bellingers live in Guadalajara.
GEORGE D. PORTER (E) is retired from his position with Equitable Gas Company. His home is in Pittsburgh.

Mrs. Henrietta accipiter parker (M), chemistry teacher at Arlington High School, Indianapolis, Ind., received the 1972 James Bryant Conant Award in High School Chemistry Teaching. The \$1,000 award, sponsored by E. I. du Pont de Nemours & Company, Inc., recognizes outstanding chemistry teachers in each of six geographic areas in the United States. Mrs. Parker has begun a unique science museum at Arlington High School. She is the coauthor of a high school chemistry textbook and laboratory manual and is permanent chairman of the Indiana Department of Education chemistry curriculum committee. The award will be presented to Mrs. Parker at the 163rd ACS national meeting in Boston next April.



Parker '29

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ROBERT B. MENEILLY (E) has retired from United States Steel after 34 years of service. He retired as general manager of the Corporation's Tin Mill Production Section. The Meneillys live in Rosslyn Farms, Pittsburgh.

'31 WALTER A. JAMESON (I) has retired as a principal in the Pittsburgh Public Schools after 40 years of service. Mrs. Jameson (MARGARET HERTZLER, A) is still playing organ.

AMELIA O. SLATER (L) is a librarian for the Hispanic Society, New York City.

BURTT F. MC KEE (A) has retired from Foreign Service. The McKees live in Silver Spring, Md.

PENNINGTON R. WATSON, Jr. (PM) is retired from Wm. J. Keller Inc., creative printers in Buffalo. He is now living in East Aurora, N.Y.

JOHN M. APPEL (E), a retired assistant manager with H. H. Robertson Co. of Pittsburgh, died July 16, 1971.

ARNOLD A. KRAMER (I), a design and plant engineer with Miller Welding & Machine Company, Brookville, Pa., died May 21, 1971.

'32 Mrs. esther wohlgemuth fineman (A) is an art teacher at Peabody High School, Pittsburgh.

W. L. BARTON (I) has been appointed to a new offical post as administrative vice president for facilities coordination at East River Savings Bank. He formerly served as administrative vice president for personnel management and administration. Mr. Barton is the author of "Trends in Savings Bank Personnel Administration" and "How They Handle Their Personnel." He is a member of the Administrative Management Society and the New York Personnel Management Association. He served a three-year appointment on Governor Rockefeller's Business Advisory Committee on Management Improvement. He is a LCDR in the U.S.N.R.

ROBERT W. GRAHAM (E), retired vice president, heavy products operations, U.S. Steel Corporation, was a volunteer executive with the International Executive Service Corps for two months. He advised the steel manufacturer, Siderurgica Riograndense in Porto Alegre, Brazil, on improving quality and production.

THOMAS B. GORMAN (A), a free lance actor, died October 2, 1971. His home was in Flushing, N.Y.

MARTIN SHAPIRO (A), of Jersey City, N.J., died October 7, 1971. He was a free-lance architect and taught architectural drawing at Snyder High School, Jersey City.

Mrs. ELIZABETH RITTS GOBBEL (M) is head of the Children's Department, Central Library, Arlington County Libraries, Arlington, Va. She has served as a consultant on television programs for WETA and NIT. She has also held offices in the Arlington Historical Society.

LEONARD H. ROSENBERG (E), president of the Cheaspeake National Life Insurance Company, has been named to a four-year term as chairman on the Maryland Public Broadcasting Commission. He has served as a member of the Commission since its inception in 1965.

HOWARD MC NAUGHTON (I), of Kalamazoo, Mich., reports that some relief and some help for persons suffering from arthritis and some dystrophics is possible by means of an externally applied solution of potassium and nitrogen.

BLANCHARD M. HUGHEY (E), retired superintendent, Slab and Plate Division, Homestead Works, U.S. Steel Corporation, was a volunteer executive with the International Executive Service Corps, for two months. Mr. Hughey advised the steel manufacturer, Grupo Acero Hysla in Monterrey, Mexico, on production.

paul P. Gaertner (E) is working in the services department of the Central Blood Bank of Pittsburgh.

Theodore F. Hengstenberg (E) is vice president and technical director of the Westmoreland Mechanical Testing and Research, Inc., Youngstown, Pa.

Dorothy A. Donnally (M), of Pittsburgh, died July 23, 1971.

JOHN B. RAY (A) is rug maker for George Wells Rugs, Glen Head, N.Y.

EDWARD B. FREDERICK (E) is technical operations manager on the headquarters staff of Air Pollution Control Association, Pittsburgh. Mr. Frederick acts as technical secretary to expedite the deliberations and publications of the Technical Council and its committees. He also edits a section officers' newsletter as well as arranges national lecture tours of distinguished air pollution workers for local APCA sections.

BETTY EVANS (A), of Clairton, Pa., died August 5, 1971. Miss Evans was a free lance artist.

Mrs. Robert E. Nagle (FRANCES R. WRIGHT, A), of Rumson, N.J., died in August 1971. Mrs. Nagle was a free lance artist and was known locally for her portraits of children. She was a member of the Advisory Board of the Guild of Creative Arts, Shrewsbury, and a member of the Monmouth Arts Foundation. Mrs. Nagel's paintings were presented by the Guild of Creative Arts in a one-man show in 1968. She served for three years as a communications officer with the WAVES in World War II.

ALBERT T. EYMAN (PM) has retired from his position with Eastman Kodak Company, Rochester, N.Y. JOSEPH D. FINDLEY, Jr. (E) is a consulting engineer for Westinghouse Electric Corporation, East Pittsburgh, Pa. The Findley's son, William M., received his M.S. in chemical engineering in 1970 from Lehigh University. Their daughter, Frances, is a sophomore at Lafavette. Mrs. Findley is the former C. VIRGINIA BEAM (M'30).

GUY C. EMERY (E) is presently plans coordinator with Lockheed Missile and Space Company, Sunnyvale, Calif.

Dr. ELSIE LEFFINGWELL (M), chairman of the business-teacher education department at Robert Morris College, has been chosen as one of the outstanding educators in America for 1971. Her name will appear in the annual national awards volume, "Outstanding Educators of America." Dr. Leffingwell was selected as an outstanding educator for her exceptional service, achievements and leadership in the field of education. She joined Robert Morris last year after 23 years at Carnegie-Mellon.

w. Jerome Peterson (E), designer of the first electrically driven patterning machine, has formed his own company, Corban, Inc., in Staunton, Virginia. The machine provides fundamental treatment for brain damaged patients.

WILLIAM S. BEALL (E), president of Pipe Distributors Inc., Houston, Texas, was killed August 12, 1971 in a flood accident. Mr. Beall was a past president of Interfaith Housing Corporation and a board member of Houston Metropolitan Ministries.

WARREN A. ROBERTS, Jr. (E), executive vice president of Phillips Petroleum Company in Bartlesville, Oklahoma, was re-elected to the National Board of Directors of Camp Fire Girls, Inc. Mr. Roberts is currently a member of Camp Fire's National Personnel Committee and is a former member of the Advisory Committee on Administration. He is very active in the Boy Scouts and has received that organization's Veteran Scouter Award. He was formerly president of the Oklahoma Petroleum Council and was recognized for distinguished achievement by that Council.

'38 DAVID G. EMMBL (E) is engineering manager in the Transport Division of Westinghouse Electric Corporation, Pittsburgh.

Mrs. Gilbert J. Easley (RUTH SIEGEL, M) is a librarian at the Wilkinsburg Public Library, Pittsburgh. The Easley's sons, DAVID (E'64), and STEPHEN (E'66) are Carnegie-Mellon graduates. Their son, Tom, graduated from Pennsylvania State University.

JAMES C. REYNOLDS (E) is senior product engineer with West-

inghouse Electric Corporation, Staunton, Va.

Mrs. Joseph Friedheim (CHARLOTTE SAVAGE, M) is director of dietetics at the Jameson Memorial Hospital, New Castle, Pa.

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PAUL J. FULTON (E) is a training specialist at the Lowry Air Force Base, Denver, Colorado. Mrs. Fulton (MARY BRYANT, M'38) is supervisor of family service in the Boulder Department of Public Welfare.

FRED E. GRAFF (A) is chairman of the music department in the Pomona Unified School District, Pomona, Calif. Mrs. Graff is the former VIRGINIA MULHALLAN (M'46).

Mrs. Willard F. Bartoe (NAOMI SAYRE, M) is a polymer physicist at Rohm and Haas Company, Bristol, Pa.

THOMAS F. GALLAGHER (E) is vice president of Bary Warner-Stephens-Adamson Div., Aurora, Ill. The Gallaghers (MARGARET SHEEKEY, M'40) have four children.

JOHN R. BAREFOOT (E) is now executive vice president of Wean Industries, Inc., Youngstown, Ohio.

MARION OTT PERCY (M) received her M.A. degree in

human relations from New York University in June 1971.

ALEXANDER T. FORREST (E) took an early retirement from Crucible Steel after 22 years of service. He is now vice president of engineering with Mueller Brass Company and vice president and assistant to the president with Phoenix Steel Corporation,

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Port Hurm, Michigan. Mr. Forrest built a new Copper Tube Plant in Mississippi and doubled the capacity at Port Hurm for Mueller Brass Company. He hired a new operation team into Phoenix Steel. Mr. Forrest also does consulting for other areas in U.S. Smelting family of companies.

GEORGE A. MOSITES (E), president of Mosites Rubber Company, Inc., Ft. Worth, Texas, died on January 16, 1971.

²41 DANIEL L. KURTUNA (A) received his D.Ed. degree in art education from Pennsylvania State University in June, 1971.

JAMES M. GOLDEN (E) has been named director of manufacturing of the Hershey, Pa., plant of Hershey Foods Corporation's Chocolate & Confectionery Division. Since 1963 Mr. Golden has been serving as plant manager of the firm's Oakdale (Calif.) plant. In his new position Mr. Golden assumes responsibility for all production, warehousing and shipping at Hershey, Pa.

Leontis '42



Dr. THOMAS E. LEONTIS (E), currently national president of the American Society for Metals, has joined Battelle's Columbus Laboratories staff. In his new position, he is serving as senior technical advisor and associate director of the Magnesium Research Center recently established at Battelle-Columbus. The Center which has acquired up-to-date files of The Dow Chemical Company's 50-year-old Metallurgical Research Laboratory, is designed to serve the research needs of the entire magnesium industry, on a contract basis, in the area of physical metallurgy and applications development. Before joining Battelle, Dr. Leontis was associated with Dow for 27 years

JOHN S. THEILACKER (E) is manager of the Advanced Reactors Division of Westinghouse Electric Corporation, Madison, Pa.

DAVID P. GALASSO (E) is executive vice president and general manager of M.I.A.L. U.S.A. Inc., Nutley, N.J.

in a variety of research and management posts.

ALFRED AMOROSI (E), assistant director, Argonne National Laboratory, Argonne, Ill., has been elected to grade of Fellow of the ASME. He has been closely associated with the development of nuclear power for ship propulsion and for the generation of electrical power.

T. (TOMAS) C. JONES (A), of Covina, California, died on September 25, 1971. He was a free lance actor and won fame as a female impersonator.

243 w. L. THUNHURST, Jr. (A) has been appointed managing director of the Civic Light Opera Association.

The CLO will present a full season—its 26th—at the Heinz Hall in the summer of '72.

MELVIN H. SNYDER, Jr. (E), professor of aerospace engineering, Wichita State University, recently finished a sabbatical leave. He spent five months at NASA-Langley and nine months as visiting professor, von Karman Institute, Brussels, Belgium.

Mrs. Lucian A. Ferrato (Rosetta M. Polichio, A) is teaching at the J. E. Rogers School in Pittsburgh.

WILLIAM J. FURLICK (E) is proprietor of Airphoto Services Company, Caldwell, N.J.

EMMETT M. ERWIN, Jr. (A) is a partner with The IKM Partnership Architects in Pittsburgh. Mrs. Erwin is the former Nell scholl (A'41).

Dr. RICHARD C. WILSON (E) is associate dean and professor in the industrial engineering department of the University of Michigan.

WILLIAM C. LEONE (E) has been elected executive vice president of Rheem Manufacturing Company. Dr. Leone, a group vice president since 1968 and a director since 1969, with offices at Beverly Hills, Calif., will make his headquarters at Rheem's New York Corporate office.

BARTLETT R. PRICE (E) has been named plant manager of Handy & Harmon's Attleboro Refining Division.

GEORGE E. ELLIOTT, Jr. (E) is a project engineer with Harshaw Chemical Company, Cleveland.

Dr. RICHARD H. GOLDSBOROUGH (E) is a physician in the Burlington, Vermont, area. Mrs. Goldsborough (CAROLE COLE, A'51) is a portrait painter.

VIRGIL D. CANTINI (A) held his third exhibition at the Pittsburgh Plan for Art this fall. Mr. Cantini is a professor in the Henry Clay Frick Fine Arts Department at the University of Pittsburgh. He has received local and national recognition for his work in the development of enamel on metal. In 1969 he was commissioned to do the Fountain "Joy of Life" for the East Liberty Mall and in 1970 "Skyscape", a mural of enamel on steel for #1 Oliver Plaza.

1 '46 Top





HYMAN H. KIMEL (M) received the Citation of "Regional Director of the Year" at the national convention of the Zionist Organization of America in September. Mr. Kimel, executive director of the Tri-State Zionist Region, was also honored by Israel Bonds in July. He received the "Man of the Year Award."

PONALD R. TOPE (E) has been appointed general manager of Ford Motor Company's General Parts Division. The General Parts Division produces a wide variety of products ranging from highly complex precision parts, such as carburetors, to relatively simple stampings and screw machine parts. The division employs more than 16,000 employes at nine plants located in Michigan, Ohio and Louisiana. General offices are at the Rawsonville, Michigan, plant. Mr. and Mrs. Tope live in Bloomfield Hills, Michigan. They have five children and three grandchildren.

The September 26 issue of the Chronicle-Telegram, Elyria, Ohio, had an interesting feature article about Dr. James B. Harrison (E), president of Aztec Chemicals Inc. The company has moved into an important national position as a producer of organic peroxide catalysts used in the production of plastics. Dr. Harrison has been involved with the water pollution problem. He is a member of a water pollution subcommittee in Lorain County. He also participates in United Nations meetings in Geneva, Switzerland, concerning the transportation of chemicals.

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.

VALENTINE R. CICCONE (E) has been appointed vice president of administration for Gorham, a division of Textron Inc., Barrington, R.I.

Colonel HERMAN E. WIENECKE (A), Corps of Engineers, U.S. Army, has assumed command of the U.S. Army Garrison, Ft. Detrick, Frederick, Maryland.

FREDERICK K. WUNDERLICH, Jr. (E) is senior planning engineer with Western Electric in Atlanta.



Wienecke '47

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. Ivan M. Fagen
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 noor
(Except August)
Cleveland Engineering Society
3100 Chester Avenue
(No Reservations Needed)

Pres. George Voinovich
Secy. Mrs. Barbara Beres
NEW YORK

-last Thursday of each month, 12

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

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

Mrs. Philip J. Finkelpearl (KATHERINE DICE, L) has retired from library work and now lives in Shaker Village, Harvard, Mass.

ROBERT N. FRANZ, Jr. (E) has spent the last 15 years at the DuPont plant in Antioch, Calif., as works engineer and assistant manager. He is now in Wilmington, Delaware, working on plans for a new installation on the Gulf Coast.

JOHN A. FINNICAL (E) has been appointed assistant general director of marketing for the DuPont Company's textile fibers department, Wilmington, Del.

DAVID M. SCHILLER (E) is now licensing counsel for General Electric's Technology Marketing operation, Schenectady, N.Y. GEORGE O. N. REED (E) has been appointed vice president of the Vibroflotation Foundation Company, a subsidiary of The Rust Engineering Company, Pittsburgh, a division of Litton Industries.

PAUL F. ZWEIFEL (E) has been designated as a university professor at Virginia Polytechnic Institute and State University, Blackburg, Va. Dr. Zweifel is a fellow in the American Physical Society and the American Nuclear Society. He is a former member of the U.S. Atomic Energy Commission advisory committee on reactor physics. The Zweifels have four children.





Dr. ARTHUR J. ROBINS (M) is now director of the Center for Advanced Study and Continuing Education in Mental Health at Vanderbilt University, Nashville, Tenn.

CRAIG C. SMITH (E) has been named southern area general manager of the St. Regis Paper Company's Bag Packaging Division. He joined the company in 1948.

WILLIAM MAC COPELAND (E) is general manager of Engineering for Industry, Inc., Danville, Virginia.

CHARLES B. PETERSON (E) has been appointed vice president of Heppenstall Company's Midvale Heppenstall subsidiary company of Philadelphia. In his new post, Mr Peterson will be responsible for Midvale-Heppenstall's overall operations.

WILLIAM H. HUMPHRIES (E) has joined Wellman-Power Gas, Lakeland, Florida, as executive engineer in Business Development.

SADA THOMPSON STEWART (A) will star in a new play called "Twigs," written by George Furth.

Dr. David R. Lide, Jr. (E) has been named editor of the *Journal of Physical and Chemical Reference Data*, a publication prepared by the National Standard Reference Data System.

F. V. PRUS (E), general manager of the Arizona Division of Goodyear Aerospace Corporation, has been appointed director of production for the Kelly-Springfield Tire Company in Cumberland, Maryland, a subsidiary of the Goodyear Tire and Rubber Company, Mr. Prus recently completed an eight-week executive program at the Stanford University Graduate School of Business. He is a director of the National Alliance of Businessmen and was chairman of the NAB's Phoenix Metro District.

750 WILLIS R. THOMPSON (A) is choral music teacher in the Tucson (Arizona) Public Schools. He is also president of the Arizona chapter of the American Choral Directors Association.

RICHARD P. GEYSER (A) has joined Caudill Rowlett Scott, the architectural engineering and planning subsidiary of CRS Design Associates, Inc., Chicago. Mr. Geyser is vice president in charge of business development in the new Chicago office.

Geyser



Dr. PHILLIS L. AYERS (A) has returned to Fairmont State College as a professor of history. She had been at Western College for Women

BARRY M. ROWLES (E) has been elected a corporate group vice president of Heublein, Inc. Mr. Rowles will be in charge of the corporation's food divisions, including the newly-acquired Kentucky Fried Chicken Corp., and Heublein's Consumer Products Division. He also will serve as president and chief executive officer of Kentucky Fried Chicken.

MILLER B. SPANGLER (E), director of the Center for Techno-Economic Studies of the National Planning Association in Washington, D.C., presented a featured technical paper of the Marine Technology Society's Annual Meeting in August. He discussed "U.S. Projections of Supply and Demand for Fishery Products."

E. F. EISEMANN, Jr. (E) has been named regional vice president marketing for the Midwest Region of Gulf Oil Company-U.S. Mr. Eisemann had been regional marketing vice president in Los Angeles.

JAMES W. TRITTIPO (A), of Beverly Hills, California, died September 15, 1971. Mr. Trittipo won three Emmy Awards for his set designing.

ALBERT F. KIMMEL (E) has been appointed division controller of the Steel Bar Division and assistant secretary of Copperweld

PAUL K. RADER (E) has been promoted to regional '51 vice president by Kaufman and Broad Home Systems, Inc., Chino, California. Mr. Rader will manage the Northeast region of the company and will be responsible for the operation of the new Lancaster, Pa., plant.

RENE F. AUDETTE (E) relocated from California to accept the position as reactor engineer with the Division of Regulation of the Atomic Energy Commission, Bethesda, Md.

DONALD E. GLASS (E) is presently a staff engineer with Shell Oil Company, Houston.

ROBERT E. FERGUSON (A) is an assistant professor in '52 the music department at Geneva College, Beaver Falls, Pa. He is also organist and choir director at the Brighton Road Presbyterian Church.

Dr. felix A. Wallace (E) is associate dean and head of the department of civil engineering and applied math, at The Cooper Union School of Engineering and Science, New York, N.Y.

RONALD C. CURHAN (E) is an associate professor of marketing at Boston University. He received his Doctor of Business Administration degree from Harvard in June. The Curhans have two children, Jenifer and Jared.

Mrs. Charles E. Clinton (AMELIA SUE MAC FADDEN, M) appears on a Channel 8 television show, "Diet Hot Line." The program is sponsored by the Pittsburgh Dietetic Association. It is a nutritional education program for homemakers.

CARL L. PETERSON (E) has been appointed general manager of Perkin-Elmer (Canada) Ltd. in Montreal. The firm markets scientific instruments for use in chemical research, quality control and testing.

ANDREW W. MATHIESON (IA), vice president of Richard K. Mellon and Sons, has been elected to the Board of Trustees at Bucknell University.

Dr. d. m. speros (E), head of a General Electric research team at Nela Park, Ohio, developed a molecular arc lamp that burns at the same color temperature as the sun. The project was named one of the top 100 industrial research developments of the year by Industrial Research magazine.

JOHN J. KILKBARY (E) is now vice president-marketing for Envirogenics Co., El Monte, Calif.

JAMES BOVARD (E) has been appointed plant manager for the R. R. French Co. in Fresno, California. He has been serving as senior engineer at the corporate headquarters in Rochester,



Dr. John G. FETKOVICH (E) is on a sabbatical leave '53 from Carnegie-Mellon during 1971-72. He is a visiting scientist at Rutherford High Energy Laboratory, Chilton, Dideot, Berks, England.

THEODORE J. MC KENNA (E) has formed Custom Real Time Systems, Inc. in Denver. He is also manager of systems and programming for Sundstrand-Denver.

Mrs. Margaret figner drew (M) developed pilot programs for elementary grades with Western Illinois University in Macomb, Illinois, and is now continuing this work in the Long Beach, California, School District.

Mrs. Jane Bates page (A) has been named a Province President of Sigma Alpha Iota, international professional fraternity for women musicians. It will be her responsibility to coordinate and supervise the activities of the college and alumnae chapters across the state of Pennsylvania. Her new office places her on the National Council of the fraternity. Mrs. Page is the choral director in the General Braddock Area High Schools and director of music at the Forest Hills Presbyterian Church in Pittsburgh. Her two sons, Douglas and Richard are seniors in the music department at Carnegie-Mellon.

Mrs. NORMA TRUST SHERMAN (A) is opening a new art gallery. She is owner/director of The Galleries, 464 Washington Street, Wellesley, Mass. She has featured works by Teresa Fusca Rozewski (A'53) and BETTY GRIGGS FOLSOM (A'53). Mr. Sherman (ARNOLD SHERMAN, E'52) is manager of computer products for Doner-Buchler, Inc. The Shermans have three children, Ralph, Janet, and Hillary Anne. They would enjoy hearing from Carnegie-Mellon friends living in the Boston area.

PETER CARLSON (E) has been appointed research associate in the DuPont Company's Plastics Department at the Experimental Station near Wilmington, Del. Dr. Carlson joined the company GEORGE R. WALLIS (IM) is now president of the Knitting Machinery Division of North American Rockwell, Reading, Pa.

JOHN K. CHANCE (PM) has been appointed instructor in business administration at Urbana College, Urbana, Ohio. Mr. Chance is president of Scrollcraft Inc.

THEODORE P. HERSHEY (E) received a NASA Exceptional Service Medal at the Manned Spacecraft Center in Houston. He is a NASA employee in the Information Systems Directorate at the Kennedy Space Center. He received the Exceptional Service Medal for his outstanding performance in supervising the collection and reduction of telemetric data and operation of the television data display system during checkout and launch of Apollo 15.

MARK J. JOHNSON (E) shared in a joint award of the Allegheny Ludlum Industries' Frank B. Lounsberry Award for outstanding technical accomplishment properly reported. Mr. Johnson is a senior research chemical engineer at the Research Center in Pittsburgh. He was cited for having made significant contributions to the winning research project, "AL-Stripe Stainless Steel."

Dr. John anderson (E) has been appointed research manager with the Signal Chemical Company, Houston.

Lt. Col. donald e. Hendrickson (E), Army aviator, was presented the Master Army Aviator Badge. To be eligible for the award, the Army's badge of its most experienced pilots, an aviator must have a minimum of 3,000 flight hours, 15 years flying service and a minimum of eight years as Senior Army Aviator. He must hold a current special instrument ticket and be qualified for flight duty. Col. Hendrickson is currently chief of Test Division (B) for the Army's engineering flight testing facility at U.S. Army Aviation Systems Test Activity.

WAYNE M. GALBRAITH (A) is presently dean of the Pittsburgh Chapter of the American Guild of Organists. He is also head of the music committee of the Mendelssohn Choir in Pittsburgh. He is organist-director at the Edgewood Presbyterian Church and at the B'na Israel Synagogue. GRANT S. BECKFIELD (E) is doing graduate work in business administration at the University of Wisconsin at Oshkosh.

PETER G. PANDICK, Jr. (PM) has been named assistant vice president-sales coordinator for Pandick Press, Inc., New York

Pandick '55



Johnson '54

JAMES M. MAC LACHLAN (PM) received his M.B.A. '56 degree from Harvard in June. He is now working toward his PH.D. degree at the University of California, Berkeley.

The wesley L. folsoms (E, and janet e. Jerles, M'57) and their three children have returned from four years in Europe. Mr. Folsom is a systems engineer with IBM in Denver. They are looking forward to seeing their C-MU colleagues who come to

Colorado to ski this winter. ROBERT A. GRIFFITH (E) is with Gulf Oil Company of Pennsylvania in Philadelphia, Pa. as a project engineer after six years with Gulf in Europe.

BRYCE C. BILLETDEAUX (E) has been appointed controller of the Engineering Construction Division of Dravo Corporation, Pitts-

Billetdeaux '56



KENNETH C. HOLMBOE (E) received his Ph.D. degree in mechanical engineering from Pennsylvania State University in September. His thesis topic was "The Transient Response Characteristics of a Single-Tube Once-Through Steam Generator.' GILBERT O. FRANCESCHI (A) has been named associate creative director for Bonsib, Inc., Fort Wayne advertising agency.

RONALD P. ANJARD (E) has accepted a position as associate professor, College of Business, Ball State University, Muncie, Indiana. He has formed Anjard Imports, a new company specializing in importing and wholesaling gift items. He has been nominated for the Freedom Founda-

JOHN H. BOS (A) has been appointed managing director of the Ensemble Theater Project at the School of the Arts of New York University. Mr. Bos was formerly director of public relations

tion's Letter to the Editor award for 1971.

for the Arena Stage in Washington, D.C. and producing director for the Theatre of the Living Arts in Philadelphia. Mrs. Bos is the former (SARA V. LINDSAY, M'59)

JOHN BEGOVICH (PM) is head of the new Graphic Arts Technology program at Westmoreland County Community College, Export, Pa.

HOWARD N. HUBBARD, Jr. (E) has been appointed superintendent-basic oxygen process shop and continuous casting at U. S. Steel's Gary Works. Mr. Hubbard has been with U. S. Steel

Hubbard '57



Dr. ARTHUR MOTYCKA (A), associate professor of music at Kent State University, has been appointed a consultant for the Central Midwestern Regional Educational Inc., St. Louis. He will serve as consultant in the program for music. The project is designed to develop aesthetics for classroom teachers. In addition to this appointment, Dr. Motycka recently published an article "Music Administration-A Ph.D. Program" in the Music Journal Annual Anthology of 1971. He also has published a research paper in the fall, 1971, Bulletin of the Council for Research in Music Education dealing with music admission practices and policies in higher education. The article is based on national research by Dr.

EDWARD R. RAUPP (PM) graduated from the U. S. '58 Army Command and General Staff College, Ft. Leavenworth, Kansas. He is a staff member in the Office of the Secretary of Defense, Washington, D.C.

ROBERT W. WEAVER (E) received his M.S. degree from West Coast University. He is a member of the technical staff at the Jet Propulsion Laboratory, Pasadena, California. He also races

JOHN W. HAYDEN (E) is presently associate department head of the Civil and Mineral Engineering department at the University of Minnesota, Minneapolis.

ROBERT E. KESSLER (E) was vice chairman of the Primary A division for the United Appeal in Lancaster, Ohio. Mr. Kessler is manager of research and development at Diamond Power Specialty Corporation, a subsidiary of Babcock and Wilcox

Dr. A. SAMUEL ODDI (E) has been named assistant professor of law at Ohio Northern University, Ada, Ohio.

WILLIAM TUNNEY, Jr. (E) has a new position as executive vice president of Gregory Galvanizing, Canton, Ohio.

Mrs. Betty schwartz franceschi (A) has her art work represented by the C. C. Price Portrait gallery and by Portraits, Inc., New York City. She was represented in three competitive shows in N.Y.C. this past year. Mrs. Franceschi is taking portrait commissions at 445 East 77 St., New York City.



Alumni Association Executive Board

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

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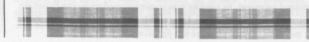
(II) Robert C. Stratka, Jr. E'47 III) Dr. Howard L. Malakoff E'37 (IV) Dr. Daniel L. Klesken E'67

(V) Donald Rebholz PM'51 (VI) Bob Mellon E'38 Ex Officio......John W. Ewalt E'36

Recording Secretary VACANT Carnegie-Mellon Admissions Council

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Representative Andrew F. Komer E'62 Homecoming Chairman C. Berl Groomes E'49 Forum Committee Chairman . . . Lester R. Smith E'39 Alumni Fund Chairman Irving B. Gruber E'36 Student Representative......Vincent Misitano Director, Alumni Relations Robert G. McCurdy Associate Director Jerome A. Kleinman Recorder Mrs. Kathy Varela



CLASS END IN 2 OR 7? PLAN FOR HOMECOMING ON OCT. 20-21, 1972

DAVID J. FRANKES (PM) is presently secretary of the 159 Woodbridge Rotary Club. He is vice president of the John J. Corbett Press, Woodbridge, Conn.

RAYMOND W. NASON, Jr. (E) has been promoted to manager of financial, operations and commercial analysis in U.S.S. Agriculture Chemicals, a division of U. S. Steel, Atlanta, Georgia. The Nasons (MARY LOUISE KOVACS, M'61) have three children. JAMES DE BLASIS (A), of New York, has been appointed consultant and advisor on the operatic activities of the Corbett Foundation, Cincinnati.

JAY E. BRANT (E) received his Juris Doctor degree from Wayne State University Law School in Detroit, Michigan. In his senior year, Mr. Brant was elected editor-in chief of the School's journal of law. He also received the American Law Book Company's "Corpus Juris Secundum" Award as the senior law student who made the most significant overall contribution to legal

Dr. RAYMOND L. ZAHRADNIK (E) has been promoted to professor of chemical engineering at Carnegie-Mellon.

DONALD STRUMINGER (E) was recently appointed chairman of the operations committee for the Linen Supply Association of America. Mr. Struminger is the vice president for plant operations for Mohenis Services. The Strumingers and their five children live in Petersburg, Va.

RONALD J. BOSTAK (E) is head of the new Lab 1000 '60 of Harry Diamond Laboratories, Washington, D. C. The new lab, situated at Woodbridge, Virginia, occupies three large buildings and houses 50 scientists, engineers, technicians, and supporting personnel. The lab was formerly the Mobility Equipment Research Development Center's Electromagnetic Effects Laboratory, and will be designated also by the initials, EME. Mr. Bostak is a member of the Research Society of America and is a member also of the Professional Group on Antennas and Propogation of IEEE.

E. C. DWYER (IM) has been promoted to senior consultant in the Signal & Communications Division of WABCO, Pittsburgh. DONALD J. KISTLER (E) has been appointed general foreman in the shipping and stocking department of the National plant of U. S. Steel's National-Duquesne Works, McKeesport, Pa.

CHARLES B. KITZ (IA) has been appointed Ford Division's light car marketing plans manager, Dearborn, Mich. Mr. Kitz joined Ford in 1962.

DENNIS F. LAWTON (E) has been appointed district sales manager of the Division Sales Office-Wilmington, Del. of the Huntington Alloy Products Division of the International Nickel Company Inc. Mr. Lawton has been with this Division since 1960.





J. ROBERT BIRCHAK (E) received his M.B.A. degree '61 from Wayne State University in June 1971. He is a senior research physicist at the Southwest Research Institute, San Antonio, Texas.

Mrs. Mary ann turnquist aronson (M) has been promoted to business systems specialist at the Bell Labs, Cranford, N.J.

WILLIAM L. CARTER (E) received his M.D. degree from the University of Pittsburgh Medical School. He is presently a surgical intern at the University of Wisconsin Hospitals, Madison, Wis.

LEWIS N. GOSLIN (IA) has accepted a position as visiting professor in business policy at the London Graduate School of Business, London. He is professor of systems science and management at Portland State University, Portland, Oregon.

THOMAS A. MC MURTRY (E) is a system design engineer in the simulator engineering department, Hughes Aircraft Company,

Dr. Norbert M. Zaczek (E), associate professor of chemistry at Loyola College, has been named chairman of the chemistry department.

EARL J. CLINE (A) is now planning director of the Mifflin-Juniata County Planning Commission, Lewistown, Pa. Mr. Cline formerly was director in the General Planning Division of the Hillsborough County Planning Commission in Tampa, Florida. JOBL RUDICK (A) has been appointed operating manager, vice president in charge of the San Francisco office of Saphier, Lerner, Schindler, Environetics, a Division of Litton Industries. The firm specializes in facilities planning. Mrs. Rudick (JOYCE RAY-VID, M) has completed one year of law school, and formerly worked as a research biochemist for Geigy Chemical in Ardsley. New York. The Rudicks have three sons, one five year old and two and one half year old twins.

J. RICHARD DAHM (E), research supervisor, Jones & Laughlin Steel Corporation, Pittsburgh, received the Instrumentation Technology Award from Instrument Society of America for his article in the field of process instrumentation published in Instrumentation Technology, official monthly journal of the Society. The title of his paper is "On-Line Sensor Gages Shape of Strip

JAMES R. BLANCHFIELD (E) has been cited for his contribution to the Army's RECON (REsources CONservation) Program that enabled the U.S. Mobility Equipment Research and Development Center, Fort Belvoir, to save \$2,890,000 during the past fiscal year. He was presented with a Department of the Army Certificate.

Kurtzman '62





MARSHALL K. KURTZMAN (IA) has transferred to Esso '62 Inter-America in Coral Gables, Florida, as operations research advisor. Mr. Kurtzman has been with the Standard Oil Company (N.J.) organization since 1965.

F. JOSEPH LANG (PM) is general manager of Garber-Pollack Co., Inc., New York City. Mrs. Lang (DONNA FLYNT, A'63) is an associate fashion director for Butterick Fashion Marketing. VINCENT J. FREUND, Jr. (E) is presently staff assistant to the director of Information Systems in IBM's Components Division, White, Plains, N.Y.

VICTOR KACHUR (E) has been transferred from Minneapolis, Minn., to Columbus, Ohio, where he is a materials engineer in the Ashland Oil, Inc., Research and Development Division.

DOMINIC P. PEROTTA (E) has been appointed assistant superintendent-weld mills, operating maintenance department at the National-Duquesne Works, McKeesport, Pa.

Mrs. Jean Brock Bruner (A) is a faculty member of the Art Assn. of Harrisburg, Pa.



Simon '62

MATT SIMON (IA) has been appointed executive vice president of World Book Educational Insurance Co., Chicago. The company is a wholly-owned subsidiary of Field Enterprises Educational

JOHN E. FIGEL (A), formerly of Celli-Flynn Associates, has joined the firm of Damianos (sylvester damianos, A'56) and Pedone (JAMES S. PEDONE, A'60), Architects in Pittsburgh, as an

EDWARD J. KANT (E) has announced the opening of '63 his office for consulting and design services in civil engineering in Marlborough, Conn. The Kants have a daughter, Adrien Jean, two years old.

The Hoechstetter Printing Company, Pittsburgh, has adopted a four-day, 40-hour work schedule, напуеч новснятеттея (РМ) is owner and proprietor of the color printing and offset lithographing firm.

Dr. Kenneth E. Hyde (E), assistant professor of chemistry at the State University College at Oswego, was selected by NSF to take part in the foundation's Research Participation for College Teachers Program, and to conduct research at the State University at Buffalo this past summer.

D. LYNN SHAEFFER (E) received his Ph.D. degree from the University of Pittsburgh. Dr. Shaeffer is employed at the U. S. Bureau of Mines in Bruceton, Pa., where he is working on the mass spectrometric analysis of air pollutants.

THOMAS P. CROOKS (E) received his Ph.D. degree in biotechnology from the UCLA School of Engineering. He is presently senior scientist at Synsis, Inc., Los Angeles, Calif., engaged in environmental and undersea engineering. His address is 357 Beloit Avenue, Los Angeles, Calif. 90024.

META SYLVESTER (A), a social worker in the Department of Social Welfare in Sheldon, Vermont, lives in a log cabin in the

L. JANE SCOTT (E) is a graduate student at Rutgers University Institute of Microbiology

BURNHAM H. BAKER (IA) is now director of corporate planning for Addressograph-Multograph, Cleveland.

CHARLES E. SCHATVET, Jr. (PM) is vice president of the Adams Group, Inc., New York City. The Schatvets have a daughter,

ROBERT E. GODT (E) received his Ph.D. degree from 64 the department of physiology and biophysics, University of Washington, Seattle, Washington. He is presently a post doctoral researcher at the Physiology Institute, University of Bern, Bern, Switzerland.

JAMES R. MC GUIGAN (IM) is an assistant professor in the School of Business Administration, Wayne State University, Detroit,

RUSSELL W. HERMAN (E) is a senior programmer analyst at the Control Data Canada, Ltd., Rexdale, Ontario, Canada.

Dr. woo jong kim (E) is an associate professor in the department of applied mathematics, State University of New York, Stony Brook, N.Y.

BONNIE B. GOLDSTROHM (A) is an arts and crafts instructor at Elywyn Institution, Media, Pa.

HARRY S. NORRIS (IA) is a director at Neve Electronic Holdings Limited, Melbourn, Royston, Herts, England.

MONTI MOORE (M) is a career information specialist in the

University of Pittsburgh Counseling Service.

RICHARD P. BOLICK (E) received his M.S. degree in mechanical engineering from Rensselaer Polytechnic Institute in June 1971. He is currently involved in noise and smoke control development for commercial jet engines at Pratt & Whitney Aircraft as a senior analytical engineer. The Bolicks live in Ellington, Conn.

CARL E. FINK (E) is presently process consultant for Consolidation Coal Company, Rapid City, So. Dak.

Deaths

E'08 Clifford S. Phillips

L'09 Anne Elizabeth Lilly

E'10 James W. Jones

M'10 Mrs. C. C. Roller (Frances Kempel)

M'11 Mrs. Robert Fotheringham (Hilda Reinhold)

M'11 Mrs. Philip E. Hamilton (Enda C. Atwood)

M'12 Laura B. Green

E'12 James K. Lamoree

L'14 Mrs. J. Allen Morehouse (Mary Hughes)

L'15 Grace Endicott

M'15 Jane L. Montgomery I'15 Elvin W. Overdorff

E'16 Arch H. Cowan

I'16 Herbert C. Smith

I'16 Hermann Obenauf

I'18 Sophus Nelson

E'19 John G. Juergens

E'21 Dr. Paul L. Hoover

E'21 James W. Lea

William M. Price I'21

E'22 George W. Curtis

Fred K. Mayer I'22 A'22 Nelson P. Rice

I'24 Adam S. Hahn

PM'26 Charles E. Craw

I'26 Frederick C. Paterson

M'28 Mrs. Duncan W. Livingstone (Clara L. Roth)

I'29 Robert F. Frederick

E'31 John M. Appel

Arnold A. Kramer I'31

A'33 Thomas B. Gorman

A'33 Martin Shapiro M'35 Dorothy A. Donnally

A'36 Betty Evans

A'36 Mrs. Robert E. Nagle (Frances R. Wright)

E'37 William S. Beall

E'40 George A. Mosites

A'42 T. (Tomas) C. Jones

A'50 James W. Trittipo



MARVIN B. JACOBSON (A) has been named an associate of Collins, Uhl, Hosington, Anderson, architects, engineers, and planners in Princeton, N.J.

JACKSON S. LOVE, Jr. (E) has accepted the position of assistant professor of civil engineering at Clemson University, Clemson, South Carolina.

WILLIAM H. SMALL (A) has been appointed director of community development in the Metropolitan Area with Dalton-Dalton-Little, architects, engineers and planners in Kensington, Md. Mr. Small will be responsible for planning projects handled by the firm's Maryland, Virginia and Washington, D.C. offices. DAVID SIRONI (E) is supervisor of computer services for Intervarsity Christian Fellowship in Madison, Wisconsin.

MARY BELLAY OERTEL (E) received her doctorate in physical

chemistry from Cornell University. She is presently a member of the faculty at Western College, Oxford, Ohio.

Dr. RONALD P. HACKLEMAN (E) is manager of analytical Services for the Gulf Oil Corporation, Houston, Texas.

JOHN H. KAVELIN (A) was resident designer with the Pocono Playhouse this past summer. He is teaching and designing at the North Carolina School of the Arts, Winston-Salem.

KENETH R. MOSES (A) took over the Pickwick Puppet Theatre, a well-known New York company known for excellent interpretations of classical music. The company performs with symphony orchestras around the country.

Dr. Jon C. STRAUSS (E) is director of computing at Washington

University, University City, Missouri.

DANIEL P. MC GONIGLE (E) received his M.B.A. degree from Wharton School, University of Pennsylvania. He is presently working in national accounts sales for Enjay Chemical Company, New York City.

M. RAYMOND MATUZA (E) is area representative for Union Carbide Corporation, Cleveland. He was named "Outstanding Salesman" in the Detroit Region for the first six months of 1971. Recently he was promoted and transferred to Cleveland. He would like to hear from classmates in this area.

JOSEPH J. VALENCIC (E) is on the technical staff of Advanced Marine Systems, Autonetics Division, North American Rockwell, Anaheim, Calif. He started Cine Graphics, an underwater educational film company. He owns his own cabin cruiser and does scuba diving. Mrs. Valencic is the former ROBIN NEW BOLD (M'69). She is doing student-teaching in marine biology at the T. A. Floating Laboratory.



McDowell '65

R. DALE MC DOWELL (IA) has been appointed vice presidentsales and marketing, Malco Mfg. Co., Chicago. Following the recent acquisition of Malco Mfg. Inc. by Microdot Inc., Greenwich, Conn., Mr. McDowell, formerly director of corporate planning of Microdot has been reassigned to Malco Mfg. and promoted to the newly established position.

JOSEPH CROSS (E) has been appointed assistant professor of mathematics at New College, Sarasota, Florida.

Mrs. Jeff Kenner (ратті аккшітн, M) received her '66 masters degree in education from Teachers College at Columbia University. She is teaching elementary school in Harlem, New York City.

JAMES J. VIECELI, Jr. (E) is currently a postdoctoral scholar at UCLA. He received his Ph.D. degree from the University of Rochester in June 1971.

WILLIAM J. KOEPPEL (E) has been appointed principal engineer in the Brake and Tire Test Section, Ford Motor Company. He is currently working towards his M.B.A. degree at the University

JOHN LOMBARDO (E) received his Juris Doctor degree summa cum laude from Cleveland State University Law School. He is presently an engineering supervisor with the Ohio Department of Highways, Cleveland.

Dr. Andrew c. NYCE (E) is director of technology at the Crucible Magnetics Division of Colt Industries in Elizabethtown, Kentucky. He received his Ph.D. degree in materials science from the University of Maryland.

MARTIN SCHNEIDER (E) received his Ph.D. degree in physics from the University of Pittsburgh.

STUART L. FLEISHMAN (E) is employed by Babcock & Wilcox Company, Harrisburg, Pa.

TIMOTHY G. HISS (E) was enrolled in the U.S. Army Chemical Officers Basic Course at Ft. McClellan, Alabama, in April, May, and June of 1971. He graduated first in a class of 37 people.

P. JOHN YAVORSKY (E) received his Ph.D. degree in metallurgy M.I.T. He is presently a research engineer with American Smelting and Refining Company, South Plainfield, N.J. Mrs. Yavorsky is the former DONNA SMITH (M'68). She is a technical writer for INSCO Systems, Neptune, N.J.

James M. Kramon (E) has been appointed an assistant attorney to George Beall, U. S. attorney for Maryland. Mr. Kramon was admitted to practice before the courts of Maryland and the District of Columbia in 1969. He is a graduate of George Washington University Law School in Washington. In 1970 he received a master's degree in law from Harvard Law School.

ROBERT E. JAMES (IM) received his Ph.D. degree in psychology from the University of Tennessee. He has accepted a position as assistant professor of psychology at the University of Alabama in Huntsville. He also recently had leading roles in the Oak Ridge Playhouse productions of "Black Comedy" and "Don't Drink the Water.

HENRY A. SCARTON (E) is now associate professor in the School of Engineering, Mechanics Division, Rensselaer Polytechnic Institute.

LYNN M. TROWBRIDGE (A) has been appointed an instructor of music at Alma College, Alma, Michigan.

JOHN C. FRANK (E) returned from Germany last year. He received his M.S. degree in mechanical engineering from Rensselaer Polytechnic Institute in June. He is presently a senior design analyst at Sikorsky A/C in Stratford, Conn.

MICHAEL G. EMERSON (E) transferred from Houston to Columbus, Ohio, into new facilities of Ashland Chemical as an engineer. Mr. Emerson flies his own Taylorcraft.

ROBERT W. SCHACHNER (A) is product development manager for Cassette Recording, Inc., Long Island City, N.Y. The company is looking for audio programs suitable for the educational market.

DICK HUGHES (A) went to Vietnam in 1968 and began a home for the homeless children in the streets of Saigon. Three years later, he is still in Vietnam and is running four of these homes in Da Nang and Saigon. He desperately needs money to keep these homes in operation. Those interested in helping Mr. Hughes with this work can send contributions to Dick Hughes, JUSPAO Mailroom/Saigon, APO San Francisco, California 96243.

Mrs. Larry Rosenberger (DIANE CUSHING, M) has '67 returned to San Francisco, after two years in Oklahoma with her husband while he was in the Army. She worked as a reference librarian at the local college while in Ft. Sill. She is presently reference librarian at the Federal Reserve Bank of San Francisco.

DAVID s. WISE (E) received his Ph.D. degree in computer sciences from the University of Wisconsin in August. He is presently an assistant professor in the department of computer science at the University of Edinburgh, Scotland.

Dr. E. C. FOSTER (M) has been promoted to director of the Institute for the Study of History, Life, and Culture of Black People at Jackson State College, Jackson, Miss. Mrs. Foster is the former Velvelyn Blackwell (M). She is an associate professor of history at Jackson State College.

ANNE L. SCHER (M) is teaching French and Spanish at the Marshfield High School in Marshfield, Mass.

RICHARD GAURIGUES (IM) received an award for being one of the top salesmen in 1970 at Koppers Company, Inc., Organic Division, Glen Ridge, N.J.

THOMAS A. STANDISH III (E) has been appointed associate professor of computer science on the Gordon McKay Endowment at Harvard University.

Lt. pressley L. Campbell (E) was in command of the launch from the Ship Whiting of the Commerce Department's National Oceanic and Atmospheric Administration which rescued three men from a wrecked yacht in Delaware Bay this summer.

ROGER A. BLAU (E) has been appointed assistant professor in business administration at the University of North Carolina.

Lt.j.g. ROBERT D. COOPER (A) is presently deployed to the U.S. Sixth Fleet in the Mediterranean aboard guided missile frigate Belknap as communications officer.

Dr. LESLIE G. POLGAR (E) spent one year in Eindhoven, The Netherlands, where Dr. Polgar did post-doctoral research at the Technical University of Eindhoven. In January the Polgars and their son, David, will return to the United States. Dr. Polgar will be working for the Research Corporation of New England at Hartford, Conn.

JAMES RANDALL (M) has been appointed an assistant professor in the English department at Coe College, Cedar Rapids, Iowa. ROBERT M. SERABIN (E) has joined Life Systems, Inc., Cleveland, as manager of product marketing. The company designs electromechanical life support equipment for applications in spacecraft and pollution control. Mr. Serabin coordinates the



company's sales activity.

Haule '67

Mrs. John R. Haule (susan attinson, M) has been named director of public relations and sales development for the Philadelphia-based Pennsylvania Ballet. Mrs. Haule comes to the Ballet after two years as director of public relations at St. Christopher's Hospital for Children, Philadelphia.

JAMES C. KU (E) is a post doctoral fellow in the department of chemistry at the University of North Carolina.

LESLIE F. BERGMAN (IA) has been promoted to man-'68 ager of the Johannesburg office of Arthur Andersen & Co., Pittsburgh.

GAIL L. CHIPMAN (AM) received her M.B.A. degree from Wharton Graduate School in June 1971. She is presently a research analyst for Telmar Communications, New York City.

ANTHONY G. FENNELL (E) received his masters degree in engineering from UCLA in 1971. He is employed by Shell Oil Company, Los Angeles, as a field facilities engineer. Mr. Fennell's father is anthony A. Fennell (E'35) and his mother is the former MAXINE A. OLSON (M'38).

GEORGE P. GAUGLER (E), process engineer, Caltex Petrol. Corp., is working in Bahrain in the Persian Gulf. The Gaugler's and their daughter plan to return to New York City in January 1972. KARL I. KUNZ (E) has been on leave of absence working as a consultant for Berenschot Management Consultants in the Netherlands. He is now doing graduate work at Columbia University.

Mrs. Kunz is the former JOANN LUSTUSKY (M). MARK S. SILVER (A) received his Doctor of Law degree from Duquesne University. He is an attorney with the Pennsylvania Department of Transportation. Mrs. Silver is the former NADINE

LOUIS M. MORRELL (AM) received his M.B.A. degree in finance from Rochester University. He is an analyst in the Control Division at Chemical Bank, New York City. Mrs. Morrell is the former JOAN DWORAK (M). She is working toward her Ph.D. degree in anatomy at the University of Rochester.

FREDERICK W. ACKERMAN (E) has been appointed general foreman-electric power distribution and service, shop and utilities department, National-Duquesne Works, McKeesport, Pa.

BERNARD P. ALLARD (IA) has a new position as manager of Financial Planning Associates in South Bend, Indiana.

Major James J. Steinbach (M) has been appointed chief of the senior officer debriefing program at the U.S. Army Military History Research Collection at Carlisle Barracks, Pa. MURRAY G. DICKMAN (AM) does consulting service in political

information and campaign management in the Pittsburgh area. Dr. PRADIP N. KHANDWALLA (IA) was a fellow in the Associates Workshop for Research at the University of Western Ontario this summer. He is an assistant professor in management at McGill University, Quebec, Canada.

MEYER A. BILLMERS (E) is a graduate student at Harvard where he is working toward his Ph.D. degree in computer science under a NSF fellowship. Mrs. Billmers is the former LAURA BRAGIN (E'69).

SUSAN R. HABERLAND (E) has been awarded one of the Harvard Business School Fellowships for Woman. She is in the first year of the two-year program that leads to the degree of Master in Business Administration.

Marriages

Vida Korb Berk (A'54) and Paul Berkowitz (E'43) AT HOME: 3420 Chase Avenue, Miami Beach, Florida 33140

Margaret Blair Hayes (A'68) and Volker Widukind Noback

ат номе: Apt. 102, 8418 Woodcliff Court, Silver Spring, Md. 20901

Carolyn McCurdy (M'68) and Don Erickson AT HOME: 3402 10th Avenue, Rock Island, Ill.

Collie S. Langworthy (E'68) and Charles G. Hutter

AT HOME: 2290 Holly Drive, Hollywood, Calif.

Robin Watson Newbold (M'69) and Joseph Joel Valencic (E'65)

ат номе: 511 Narcissus, Corona del Mar, Calif.

Sandy Gerson and Kenneth R. Siger (AM'69) AT HOME: 100 Bryn Mawr Court, Apt. 108W,

Pittsburgh, Pa. 15221 Carol Coletta and Albert W. Wendland, Jr. (E'70) AT HOME: 422 Woodland Road, North Versailles, Pa. 15137

Linda J. Rice (E'70) and David Rogers (E'68) Susan Dreyfus (HS'70) and Richard Rathe

AT HOME: 404 East 66th Street, New York City,

Deen Sabin and Daniel Meloro (HS'70)

AT HOME: 808 South Negley Avenue, Pittsburgh, Pa. 15232

Meredith L. Hall (HS'70) and Alan Russell Bohne

AT HOME: 880 A Macbeth Drive, Apt. 13, Monroeville, Pa. 15146

Kathleen Anne Kinsey (HS'70) and John A. Careatti (E'70)

AT HOME: P.O. Box 42, Aylett, Virginia 23009 Linda D. Worthington (M'71) and Richard B. Bell,

Marina Jessup (A'71) and Jaime Pio Noriega-Bernechea (E'71)

Lisa Anne Fischer (HS'71) and Stephen Nathan (A'70)

AT HOME: 35 West 92nd Street, New York City 10025

Ann Bailinson (HS'71) and Jerome Kleinman (HS'70)

ат номе: 601 N. Negley Ave., Apt. 35, Pittsburgh, Pa. 15206

Andrea J. Tomai (A'70) and Dr. Lawrence N. Rossi AT HOME: 420 Main Street, Apt. C-5, Agawam, Mass. 01001

NANCY MOSCA (M) has a new position as teen wardrobe stylist for Simplicity Pattern Company. Nancy is a member of the Manhattan CMAC and is assigned to both the Hewitt School and Nightingale-Bamford School in New York City.

CARL E. SCHEONONE (E) has been appointed superintendent of inspection and shipping in the Jessop Steel new 110-inch stainless plate mill, Washington, Pa.

DANIEL A. HILL (A) received his M.F.A. degree in painting from the School of Art and Architecture at Yale University in June 1971. He is now employed as an assistant professor of fine arts in the department of fine arts, College of Arts and Science at the University of Rochester, Rochester, N.Y. Mrs. Hill is the former LEDA RAPP (A).

c. CURTIS WILSON (HS) has been appointed director of Black Studies and assistant professor of history at Cleveland State University.

FRANK J. MAGUIRE, Jr. (E), program analyst, is an officer in the U.S. Army at the Pentagon, Washington, D.C.

MARSHALL R. GILE (E), petroleum engineer, has been transferred from Amoco's Anchorage, Alaska, office to their office in Powell, Wyoming. Mrs. Gile is the former JENIFER DIGBY (HS'71).

GORDON M. COHN (AM) received his M.A. degree from the University of Michigan. He is now working toward his Ph.D. degree in organizational behavior at Case Western Reserve University.

JEFFREY F. ABRAMSON (E), assistant construction manager for Polinger & Zupnik Builders Corp. is presently working on construction project bidding and project captain responsibilities for the Brighton Village East Project in Gaitherburg, Md. The Abramsons are living in Silver Spring.

DAVID J. BARNES (IA) has been appointed a vice president of the Boston Consulting Group, Inc. and is currently working with that firm in Milan, Italy.

CHANDRA M. GULATI (E) is a lecturer in the department of mathematics, Wollongong University College, University of New South Wales, Wollongong, Australia.

BARRY SMOLOWITZ (E) now has the rank of Lt.j.g. in the U.S. Navy.

RICHARD S. LUCKEW (E) is presently a mathematician at Wright-Patterson Air Force Base.

Mr. and Mrs. Kenneth Derow (IA, and Carol Cohen, HS'69) are living outside Philadelphia. Mr.

Derow is working at Scott Paper Company as a brand analyst in the market research department.

Mr. and Mrs. Michael D. Oldak (AM, and Judith A. Resnik, E) are living at 5 West Luray Avenue, Alexandria, Virginia. Mr. Oldak is a first year law student at Georgetown. Mrs. Oldak is in a Ph.D. program in electrical engineering at the University of Maryland.

PAUL W. SCHENK (AM) has moved to Boston where he is working as an assistant store manager for Brigham's. He is also devoting effort to the Boston CMAC and alumni clan.

PAUL J. WASLIS (E) has been appointed chief metallurgist of the Carbide Division of Aiken Industries, Inc., McKeesport, Pa.

DANIEL SOLOW (E) is working toward his M.S. degree in operations research at the University of California at Berkeley.

JEFFREY H. RUDY (E) is a systems analyst, International with Burroughs Corporation, Detroit. Mrs. Rudy is the former M. ELLEN JACKSON (A). She is a graphic designer with Rossetti Associates, Architects.

TYRONE GREIVE (A), an instructor of violin at Augustana College, was a member of the faculty of the Music Division of the Black Hills Fine Arts Center held at St. Martin's Academy this past summer.

JOSEPH A. JANSEN, Jr. (E) is presently a junior technical associate for NUS Corporation, Rockville, Md.

STEVE L. HECKMAN (E) completed his 18-month civil engineer intern training program with Penn DOT, Franklin, Pa. and he is now assigned as a civil engineer in the locations unit.

Dr. STEVEN I. TAUB (E) is an environmental consultant in the engineering Services Division of the E. I. duPont de Nemours Company in Wilmington, Delaware. Mrs. Taub (HILARY KURZ-WEIL, M) is an executive secretary and office manager with Haskins & Sells, an international certified public accounting firm, in Wilmington.

JEFFREY M. RUBEN (AM) is completing the requirements for his M.B.A. degree at the University of Rochester and beginning studies toward a career as a music historian.

DARLENE M. KNEES (M) received her M.S. degree in manenvironment relations from Pennsylvania State University.

JANE N. FORDYCE (A) has opened her own business as a jewelry designer in St. Louis, Missouri. She is studying for a gemologist's degree to be a certified diamond and precious stone buyer.

RONALD L. NASH (A) has been chosen to direct an upcoming historical spectacular in Colorado Springs, Colorado, featuring a cast of more than 750 people. The show will open early next summer.

THOMAS MERCER (A) is working as a liasion in theatre and promotion for the Department of the Interior, National Park Service, Washington, D.C.

year program of graduate work in nutrition and dietetics given by Eastman Kodak Company. The

internship program includes both formal instruction and guided experience in the management of the preparation of quality food in large quantity and in food service methods and the administration of nutrition services in industry.

ALEX S. BURSTEIN (E) is an applications engineer for On-Line Systems, Pittsburgh.

ADEL H. AL-IESA (E) has been appointed as a sanitary engineer in the roads and drainage department in the Ministry of Public Works, Government of Kuwait.

MARGARET A. WATSON (A) is a member of the Christian Service Corps. She assists in the preparation of the bi-monthly publication, *The Christian Corpsman*, in Washington, D.C.

 $_{
m JOAN}$ wyzkoski (MI) is now a Peace Corps Volunteer working in Jamaica.

BERNARD M. DUBB (HS) is doing graduate work in psychology at Temple University.

Thomas R. Zinn (E) is attending the University of Rochester. He is studying management.

GEORGE WORTHY (A) is a planner with the Washington, D.C. Board of Education. He is also doing graduate work in community design.

ANNE M. WEINER (M) is teaching at Westlake Junior High School, Erie, Pa.

RALPH M. WEISCHEDEL (MI) is doing graduate work in computer science at the University of Pennsylvania.

JAMES L. VALIMONT (E) is an engineer with United Nuclear Corporation, New Haven, Conn.

GIORGIO TREBBI (E) is an engineer with Westinghouse Electric Corporation, Pittsburgh.

JAMES E. TOMAYKO (HS) is doing graduate work in Chinese at the University of Pittsburgh.

NANCY A. SWANSON (HS) is teaching history at McKeesport Area High School, McKeesport, Pa.

HOWARD S. SOLGANICK (E) is an associate engineer with Univac-Sperry Rand, Blue Bell, Pa. He is also doing graduate work in electrical engineering at the University of Pennsylvania. Mrs. Solganick is the former CYNTHIA DAY (HS).

KENNETH J. SLEGER (E) is an electrical engineer at the Naval Research Lab., Washington, D.C.



Births

Tanner Robert born to Mr. and Mrs. Robert A. Griffith (E'56)

Heather Anne born to Mr. and Mrs. Donald J. Hill (Mary Joanne Hollein, M'62)

Sean Anthony adopted by Dr. and Mrs. Frank O. Brady (E'65)

Jay Andrew born to Mr. and Mrs. Raymond W. Boorstein (A'66)

Suzanne Elizabeth born to Mr. and Mrs. Richard L. Behling (IA'66)

Daniel Adam born to Mr. and Mrs. Paul Ratoff (IA'69, and Eva-Lynn Diesenhaus, M'68)

Jennifer Ruth born to Mr. and Mrs. Kenneth Derow (IA'70, and Carol Cohen, HS'69)

Garth Weaver born to Mr. and Mrs. Harold L. Brown, Jr. (Linda Weaver, HS'69)

Lisa Gabrielle born to Mr. and Mrs. David C. Ronemus (E'71)

Trevor Marshall born to Mr. and Mrs. Thomas E. Bernard (E'70, and Jeanne M. Tate, M'71)



BRENT C. SISLER (E) is a graduate student at the University of Akron working toward his Master of Science degree in mechanical engineering.

VIVIAN SANDMAIER (HS) is teaching at the Overbrook School in Pittsburgh. She is also doing graduate work in history at Carnegie-Mellon.

HENRY W. RYALS (E) is doing graduate work in nuclear science and engineering at Carnegie-Mellon. He is a senior scientist at Westinghouse Electric Corporation.

DENNIS A. ROTH (E) is attending Massachusetts Institute of Technology for graduate work in civil engineering.

MARK D. RUFFNER (A) is a 2nd lieutenant in the U. S. Army

Signal Corps.

EMERY ROTH, II (HS) is doing graduate work in English at

Carnegie-Mellon. Mrs. Roth is the former (JANE ELLEN GOLD-FARB, HS).

JAMES E. RILEY, (E) is an electrical enginer with Babcock &

Wilcox Company, Beaver Falls, Pa.

DIANE E. NEELY (A) is attending Geneva College for work

toward her teacher certification in music.

WILLIAM F. REVELT (E) is doing graduate work in chemical engineering at the University of Delaware.

FRANK J. NAGY (MI) is a graduate student at California Institute of Technology.

RAYMOND J. MEYER (E) is a development engineer at the Alcoa Process Development Lab., Alcoa Technical Center, Pittsburgh.

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ROBERT L. TIMMERMAN (E) is a design engineer with Hornfeck Engineering, Inc., Pittsburgh.

BRUCE J. TASZAREK (E) is an engineer at Westinghouse Research, Pittsburgh.

JULIE M. JOHNSON (HS) is director of student activities and East-West Seminar Course leader at Bennett College, Millbrook,

JAMES G. YUSKO (MI) is doing graduate work in physics at the University of Pittsburgh.

WILBERT E. WALKER (AM) is management engineer at the Westinghouse Bettis Atomic Power Lab., West Mifflin, Pa.

HSIN-HSING TSAI (MI) is director of technical information for the Chinese Petroleum Corporation, Chia-Yi, Taiwan. JOHN G. TEICHMOELLER (IA) is a management trainee at Mellon

National Bank and Trust Company, Pittsburgh.

ROBERT W. STEITLER (E) is an engineer at Westinghouse Electric

Corporation, Pittsburgh.

DAVID A. TURCHECK (E) is an engineer at the Westinghouse

Bettis Atomic Power Lab., West Mifflin, Pa.

WILLIAM R. SIEBERT (E) is a metallurgical engineer at the

Westinghouse Bettis Atomic Power Lab., West Mifflin, Pa.

ALAN SHEFFER (HS) is teaching in the North Allegheny School

District, Pittsburgh.

WILLIAM A. SAYLES (HS) is teaching at Shady Side Academy,
Pittsburgh.

Dr. Peter J. Savoia (E) is a senior scientist at Westinghouse-Bettis Atomic Power Lab., West Mifflin, Pa.

Mrs. Robert Roode (REGINA BUTTRESS, M) is teaching home economics at North Allegheny Senior High School, Pittsburgh. THOMAS D. O'HALLORAN (A) has been appointed to teach in the North Allegheny School District, Pittsburgh.

BARBARA V. CORDON (M) is employed as a teacher at Stanwood Jr. High School, New Stanton, Pa.

EDWIN C. SCHMIDTKE (A) is production stage manager at the Pittsburgh Playhouse.

FREDERICK M. WINKLER (E) is pursuing a master's degree in architecture from Harvard University Graduate School of Design.

KARL W. BERGER (E) is an associate engineer at the Westinghouse Transportation Center, East Pittsburgh. He is designing propulsion control for high speed electric passenger trains to

serve New York to Washington Corridor.

Mrs. David S. Posner (MARILYN ACKERMAN, HS) is a staff writer with the weekly newspaper, the Jewish Chronicle of Pittsburgh. DAVID S. POSNER (E'69) is a third year law student at the

University of Pittsburgh. The Posner's have a son, Morton Joel, four years old.

FREDERICK C. MAIER (AM) was commissioned a 2nd lieutenant in the U.S.A.R. He is completing active duty for training at Fort Gordon, Georgia. Mr. Maier is a production assistant at

Case-Hoyt Corporation, Rochester, N.Y.
NICHOLAS G. NICHOLS (E) is a structural engineer with United

Engineer & Constructors, Philadelphia, Pa.

DONALD H. ROSENBERGER (E) is an engineer with Ro-Cel
Electronics, Pittsburgh.

JACK P. SMITH (HS) is doing graduate work in English history at Johns Hopkins University.

JOHN A. OSUCH (MI) is attending Harvard University to do

graduate work in physics.

WILLIAM S. ROSENTHAL (AM) is project manager for PPG

Industries, Springdale, Pa.

DONALD D. DILUCENTE (MI) is program director for the Hilltop YMCA, Pittsburgh.

BARBARA A. MAJER (E) is pursuing her M.S. and Ph.D. degrees in biomedical engineering at the University of Pennsylvania. Her thesis topic is "Voltage Clamping Techniques in Giant Squid Axon."

ALBERT V. KORDESCH (MI) is a member of the Peace Corps in Malaysia.

PAUL N. KIZAKBVICH (E) is studying biomedical engineering at the University of Miami. He is working in the Cardio Pulmonary Lab at Mt. Sinai Hospital, Miami Beach.

JOHAN G. M. JACKSON (E) is an engineer with the Dravo Corporation, Pittsburgh. He is doing graduate work in civil engineering at Carnegie Institute.

MARGARET L. HERMANN (MI) is a systems mathematician for the Southwestern Pennsylvania Regional Planning Commission, Pittsburgh.

Mrs. Richard Heller (BARBARA HIBSMAN, A) is studying voice and opera at Boston University. Mrs. Heller gave a recital in October in the Pittsburgh Concert Society series.

CHARLES R. HEUER (A) is doing graduate work in architecture at Ohio State University. He is a graduate teaching associate.

JANE HABER (A) is studying musicology at New York University.

RAYMOND M. GOMBES (E) is an application engineer with I.T.E. Imperial Corporation, Pittsburgh.

ARTHUR R. GENUTIS (E) is an electrical engineer with Westinghouse Electric Corporation, East Pittsburgh, Pa.

JUDITH GADOL (MI) is attending the University of Maryland Medical School.



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.

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 Westing-

house 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.

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 Deerhake (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)



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. BRENEMAN (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.





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.

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 Engipreneur" 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,

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.

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.





Daugherty '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 meritorius 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 6? 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, Pirtsburgh

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 opera-

tions 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

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 foremanmaintenance 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.

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 Cor-

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.

poration, Oswego, N. Y.

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.

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.

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.





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 Panacon Corporation, Cincinnati, Ohio. Mr. Thomas joined the Panacon Organization in March of 1969 as new products section manager and has been instrumental in the development of Philip Carey Tempchek Urethane Insulation.

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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 Selas

Corporation of America, Dresher, Pa.

THOMAS J. CARRY, 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.

262 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.

JOB 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.

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

He received the second annual (1970-71) faculty re-

search award of the Tulane chapter of the Society of the Sigma Xi.

RONALD J. BEINLICH (E) has been promoted to turn foremantin 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.



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Kubalak '63

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

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 Postdoctoral 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

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.

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.

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,

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

EREDERICK 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 Amer-

ican 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.

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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

TERRY L. MC CLELLAN (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 Shadyside, 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.

²68 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 sales man in ACPC's Chicago branch sales office.



Ackerman '68

FREDERICK W. ACKERMAN (E) is now working as general fore-man-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 8. 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.

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





Axelrad '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. Axlerad 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.

BLIZABETH 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, Zelienople, Pa.

Marriages

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

ат номе: Taiwan, China

Louisa Rawle and Harold Lee Tine (A'67)

AT HOME: 4524 Alcott Drive, Nashville, Tenn.

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

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.

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

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.

BUGENE 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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Bak Me and



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.

The Director's Letter