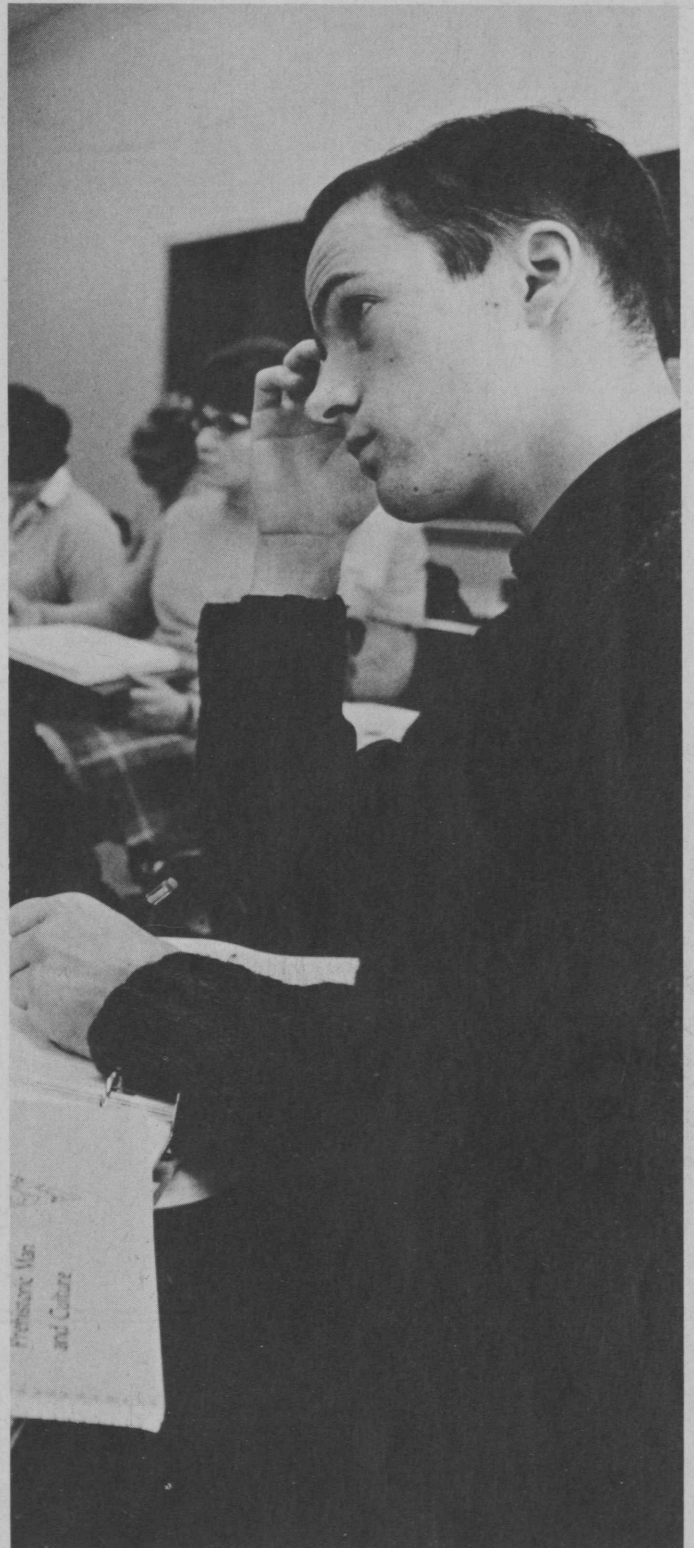


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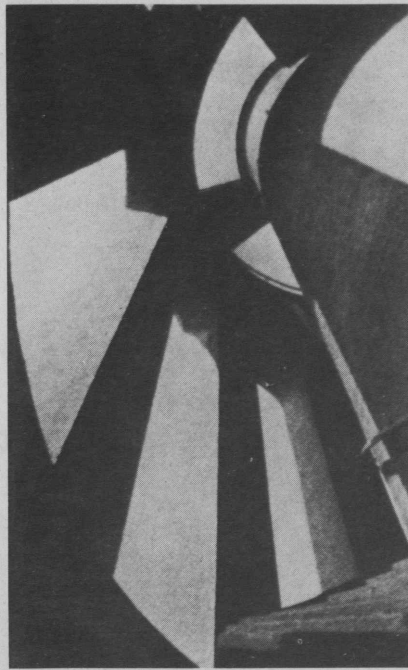


New Programs Engineering and Humanities

CARNEGIE  ALUMNI NEWS

September 1969

CARNEGIE ALUMNI NEWS



published for the Alumni
of
Carnegie-Mellon
University,
Pittsburgh, Pennsylvania
September 1969

Twelve Alumni to Get Awards At "Livin' End" Homecoming

Artists, scientists, business executives, engineers, and alumni in various other professions will come back to campus next month for a reunion that promises to be the "livin' end."

The event is Carnegie-Mellon University's 1969 Homecoming Weekend, Friday and Saturday, Oct. 24-25.

The annual two-day celebration will feature receptions, tours, meetings, athletic events, luncheons, barbecues, a dinner-dance, and musical entertainment ranging from rock and soul performances through bag-piping and Dixieland.

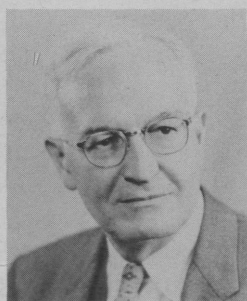
High point in the program will be the Alumni Awards Banquet, at which 12 alumni will be honored for outstanding accomplishments in their careers and service to their alma mater.

Receiving the Distinguished Achievement Award will be John E. Swearingen (E'39), chairman of the board of Standard Oil Company of Indiana, and life trustee of Carnegie-Mellon. Mr. Swearingen won a Merit Award in 1958.

Albert C. May (E'21) will get the Distinguished Service Award. President of the Peerless Automatic Machine Company, Cleveland, Ohio, he received a Service Award in 1950.



Mr. Swearingen



Mr. May

Winning 1969 Merit Awards will be two outstanding New York City artists, a scientist, an engineer, a management consultant, and an urban expert. They are:

- Robert B. Pease (E'49), executive director of the Allegheny Conference on Community Development. Former executive director of the Urban Redevelopment Authority of Pittsburgh, Mr. Pease guided numerous innovations in renewal programming and implementation.

- Mary Elizabeth Schlayer (M'38), management consultant and civic leader, Houston, Texas. Dr. Schlayer has held such honorary posts as Pennsylvania Ambassador for Economic Development, and Texas Ambassador of Good-Will.

- Robert A. Friedel (E'40), project coordinator in spectrometry at the Pittsburgh Coal Research Center of the U. S. Bureau of Mines. Dr. Friedel was Alumni Fund chairman for Carnegie-Mellon chemists in 1967 and holds numerous awards from professional societies for his contributions in coal research.

- Abe H. Feder (A'29), internationally-recognized lighting designer. Mr. Feder has designed lighting schemes for many buildings and industrial sites in the U.S. and abroad, and lighted more than 1000 stage productions, including "My Fair Lady" and "Camelot."



Mr. Pease



Mr. Feder



Dr. Schlayer



Dr. Friedel

- Norman F. Parker (E'47), president and director of Varian Associates, Palo Alto, Calif. Dr. Parker, an alumni trustee, is a former executive vice president and director for the Bendix Corporation. His specialties are inertial navigation, flight control, digital computers, and other electrical systems.

- Lester A. Trimble (A'48), composer. Many of Mr. Trimble's works have been performed and recorded in this country and overseas. Former composer-in-residence with the New York Philharmonic Orchestra, he was also music critic for the *New York Herald Tribune*, and *The Nation*, and is director of the American Music Center in New York City.

Service Award winners are:

- Henry Lehne (E'37), Assistant Postmaster General, U.S. Post Office, Washington, D.C. Appointed by President Nixon last spring, Mr. Lehne was senior vice president of Sylvania Electric Products, Inc., is an alumni trustee, and is former president of the Alumni Association.



Dr. Parker



Mr. Trimble

- H. Walter Damon (A'25), architect, Damon-Worley-Cady-Kirk and Associates, Youngstown, Ohio. Noted for his church designs, Mr. Damon was also organizer and first president of the Youngstown Area Clan and has been active in recruitment of students.

- Charles E. Schatvet (PM'33), president of The Adams Group, Inc., New York City. Mr. Schatvet was one of four businessmen sent to Berlin in 1953 by the U.S. to help with reconstruction, and is author of the book, *Island in a Red Sea*. He has assisted in the development of Carnegie-Mellon's graphics arts program.

- Daniel J. Smyers (E'59), senior engineer, Dravo Corporation, Pittsburgh, Mr. Smyers is a director and former president of the Pittsburgh North Hills Clan, and is past president of the Carnegie Forum Committee.

The Awards Banquet will be held Friday, Oct. 24. It will start at 6 p.m. with cocktails in the Skibo Faculty Dining Room. Dinner will be served in the Ballroom at 7 p.m.

Opening the weekend celebration at noon Friday will be reunions of the classes of 1909 and 1914 in Skibo, and a Golden Anniversary Luncheon in the Wherrett Room. President and Mrs. H. Guyford Stever will host the class of 1919 at the luncheon.

Also scheduled for Friday are guided tours of Mellon Institute from 1:45 p.m. to 3 p.m., and an All-Alumni reception sponsored by the Pittsburgh Women's Clan from 3 p.m. to 5 p.m.

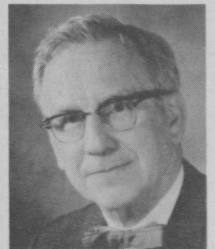
Saturday's activities will begin with breakfast at 9:30 a.m. in the Skibo Ballroom, during which Dr. Stever will deliver his annual State of the University address.

At 10:30 Carnegie-Mellon booters will play against the Grove City College soccer team on the Recreation Field. A race between the CMU cross country team and Grove City's will get underway on Flagstaff Hill at 11:30.

Mr. Lehne



Mr. Damon



The Alumni Council will meet in Skibo Ballroom at 11, and the Past President's Reception, to which wives are invited, will be held in Room 100 of Skibo at 11:30. William A. Conwell (E'29), vice president of Duquesne Light Company, Pittsburgh, and recipient of a 1968 Merit Award, will be host at the reception.

A chicken barbecue will be held on the Cut at noon.

Highlighting the sports competitions on Saturday will be the football game with Franklin and Marshall College on Tech Field at 1:30 p.m. Weather permitting, spectators will be permitted to view the battle from their cars on the hillside opposite the bleachers. The Kiltie Marching Band and Pipers will entertain at halftime, and Mark A. Lang (E'69) will receive an Alumni Award for being the outstanding senior athlete last year.

Finale to the Homecoming will take place in the William Penn Hotel from 6:30 p.m. to 1 a.m. Included will be dinners, dancing, class reunions, and strolling minstrels.

Supplying music and entertainment will be the Jack Purcell (A'41) Orchestra, Opus Five, and The Tailgate Six Plus One.

Mr. Schatvet



Mr. Smyers



New Engineering and Science Program First of Its Kind in United States

Carnegie-Mellon University this fall is giving more than 500 engineering and science freshmen the first real chance such students anywhere have ever had to make an informed career choice.

Behind the development in the College of Engineering and Science (Carnegie Institute of Technology) is a new and different curriculum unlike other engineering and science programs in the U.S.

The new curriculum was initiated this year following several years of study and preliminary trials with selected groups of students. It is designed to allow the students an early taste of professional courses, which can serve as the foundation for career selection, to provide engineering and science majors with much more flexibility in their choice of courses, and to eliminate the much talked about "fifth year of high school."

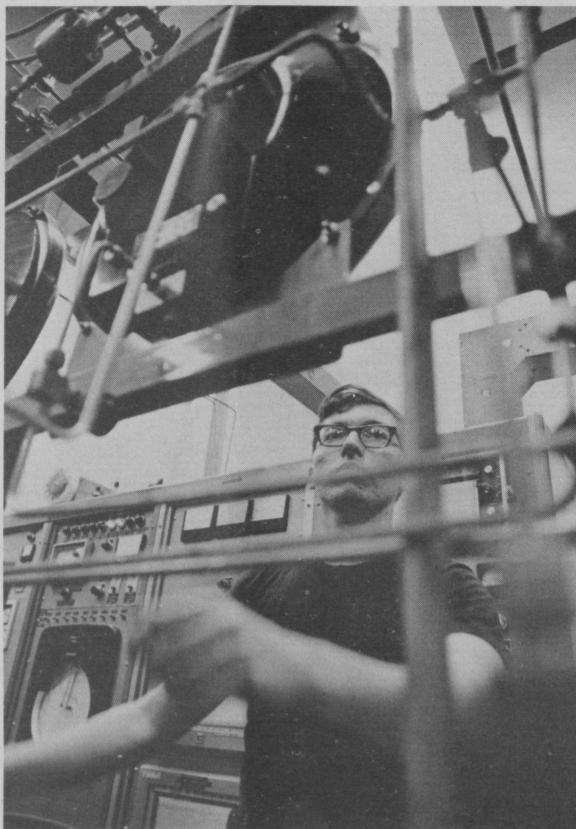
Traditionally engineering and science freshmen throughout the United States are given a common program consisting mostly of courses in mathematics and basic science with some humanities and social science courses.

"The high enthusiasm of most students entering the common freshmen curriculum runs down-hill beginning in November," says Richard A. Moore, professor of mathematics and chairman of the committee which recommended the changes. "The tragedy is," he continues, "that even in many good students the enthusiasm is not rekindled in their major programs. They come expecting college and get more high school, and the transition to our high-flying major programs is never made in spirit, only in duty."

Carnegie-Mellon's new program will introduce three electives plus a choice between two chemistry courses to first-year students and will include courses offered by the five engineering departments. It will be the first time members of the engineering departments teach courses for first-year students. Thus an engineering student can take several courses in an area of major interest in the freshman year, or he can "shop around" if his interest is uncertain or diversified.

"We hope that this kind of approach," says Robert B. Carlin, associate dean of Carnegie Institute of Technology, "will contribute significantly to reducing the number of unwise selections of professions made by freshmen and sophomores which cause problems later, either while the student is still in college, or in some cases for the rest of his professional life."

In addition to the engineering electives, others will be offered by every department in Carnegie Institute of Technology. Available courses will include an experimental physics laboratory, a course on computer programming and problem solving, a session in administration and management sciences, and other electives in chemistry and mathematics. All of the electives will



be taught by members of the senior faculty. One of the courses, for example, "The Art of Engineering," will be offered by B. Richard Teare, Jr., former dean of Carnegie Institute of Technology and now University Professor of Engineering.

Another new aspect of the freshman program is the introduction of the joint mathematics-physics course, which was given last year as an experiment. The course is taught by senior members of the mathematics and physics faculties, both often present in the classroom at the same time. The presentation is coordinated in almost a day-to-day manner and provides flexibility for the two faculty members involved to change pace, emphasis, and to engage in 'ad hoc' exploration.

Professor Moore taught the course in the first semester of last year along with Raymond A. Sorensen, professor of physics. James S. Langer, professor of physics, and Richard C. McCamy, professor of mathematics, taught it in the second semester.

"This method," Moore says, "puts the student in a learning situation in which each discipline reinforces the other right on the spot. The leadership lies with the physicist and the mathematics grows out of the physics and is given real purpose in this coordinated approach."

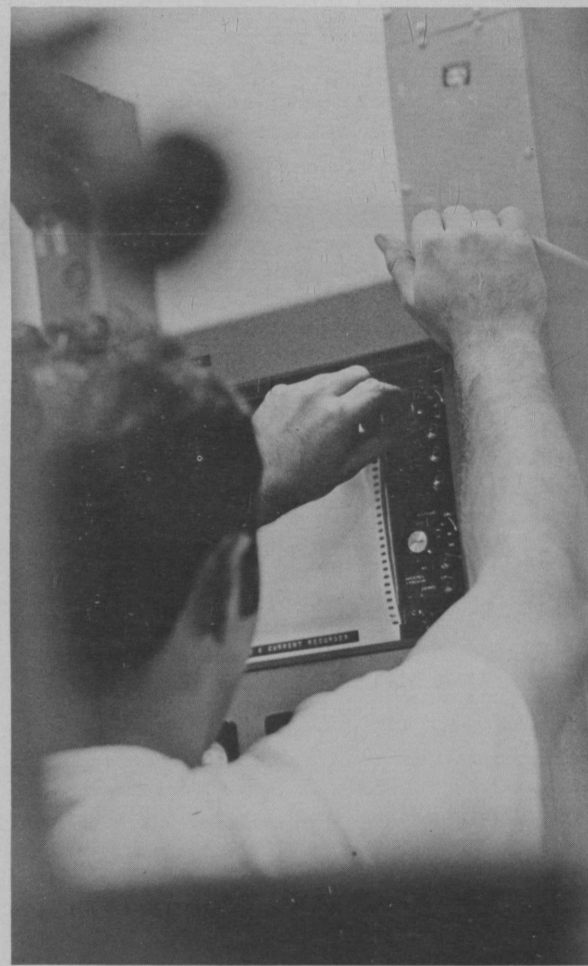
"In addition," he continues, "presentation through application of one field to the other gives the student a sense of the value of both fields that he is not likely to get in separate classroom presentations."

While it has long been common practice to have a student enrolled in engineering or science spend about 25% of his time in the humanities and social sciences, the new Carnegie-Mellon curriculum will do it in a different way by replacing the more traditional courses in English composition and English literature with courses on Historical Understanding and Literary Imagination. This part of the new curriculum, like the others, is geared to eliminate the "fifth year of high school" and give the students an opportunity to form views and ideas rather than learn techniques only. A side social benefit for the engineering and science majors is that these classes will be offered to all incoming freshmen, thus giving the students the opportunity for more contact with humanities and social science majors, and actors, artists, architects, and musicians from the College of Fine Arts.

With the introduction of this new curriculum, a sample first-year student's schedule might look something like this: In the first semester, he could take Historical Understanding, the combined math-physics

course, a course in civil engineering, and a course in mechanical engineering. In the second semester, he could take the course in Literary Imagination, the math-physics course, either of two courses in chemistry, and if he wished, perhaps another course in another engineering department, or any of the available electives. In the first year, the humanities account for about 25% of the total program, the math-physics course, about 37%, and the electives about 38% of the total. As part of the program the student will be allowed two more electives.

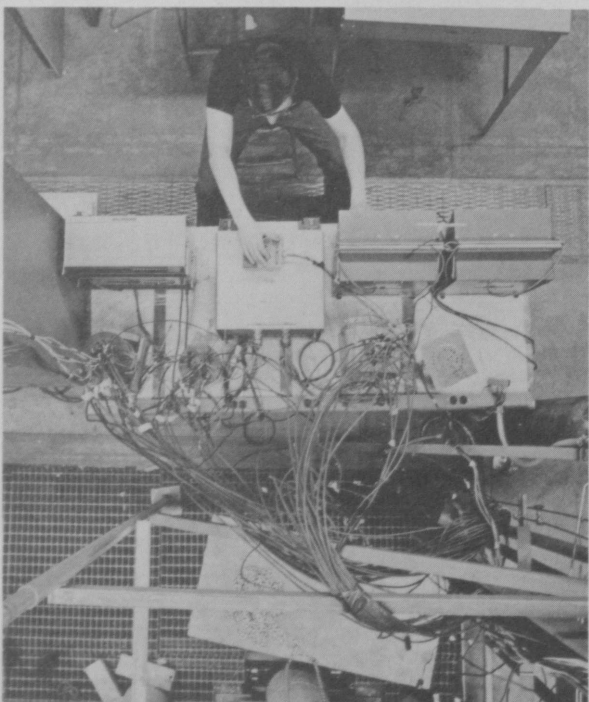
"Of course, one of the important objectives of the new program is to attract the best students," says Dr. Carlin. "We want no program which turns away the achievement oriented, but we do want something more, such as higher verbal skills and a larger component of venturesome originality. We want a program which helps the student develop his ability to combine what he has already learned with information that he must dig out for himself so as to create something fresh and new."



As the designers of the new curriculum see it, some of the major benefits for the incoming students are:

1. more exposure to a variety of career areas so that better decisions can be made;
2. more flexibility in choice of courses;
3. elimination of the "fifth year of high school;"
4. a degree of exposure to senior faculty members in professional areas not duplicated anywhere for first-year students;
5. presentation of material, especially math and physics, in such a way as to stress the value of one to the other;
6. giving engineers and scientists the opportunity for more contact with social scientists, humanists, actors, musicians, artists, and architects.

Not all the elements in the program are new to engineering education. What is new and significant, however, is the opportunity it offers freshmen and sophomores to learn in some depth about more than one engineering or science profession before making decisions about their careers.



Editor Asks...

What's CMAC?

Six years ago, Carnegie-Mellon University started a program of involving alumni in student recruitment. The plan was to have alumni in cities throughout the United States play an active role in visiting high schools and talking with prospective students about the University.

Known as CMAC, Carnegie-Mellon Admissions Council, the program has produced amazing results, and stands as a marvelous example of how alumni can be of great value to the University in areas other than financial. Because the program has been so successful and because of the ever-increasing amount of activity within it, we have decided to include a column on CMAC as a regular feature of the *Alumni News*. This first column will briefly trace the history of the group, tell in some detail of last year's efforts and results, and describe a little of this year's plans.

Five charter chapters — Cleveland, Philadelphia, Rochester, St. Louis, and Washington, D.C. — were established at the program's inception in 1963. In 1969, there are 56 chapters functioning with a total of approximately 600 members currently serving 700 secondary schools in 28 states. The organization also has representatives in Central America, Thailand, and the Philippines.

During the academic year, CMAC groups meet with representatives of the admissions office, as these CMU personnel travel throughout the country visiting various secondary schools. In addition, the admissions office attempts, if possible, to conduct a meeting in every CMAC area once a year or, at the minimum, in alternate years.

For the past three years, campus workshops have been held in conjunction with Homecoming for CMAC members and any interested alumni wishing to attend.

This year's workshop has been planned for the weekend of September 26-27. Its purpose is to provide information and adequate training to CMAC area chairmen, so that they may better perform the functions and assume the responsibilities inherent in their position. The program includes presentations by faculty, administrators, and area chairmen, and hopefully provides new ideas and current information to the participants.

The program on Friday, September 26, continues from shortly after noon until 9:00 p.m. In these sessions, CMAC members will hear from President H. Guyford Stever, Erwin R. Steinberg, dean of the College of Humanities and Social Sciences and Margaret Morrison Carnegie College; Robert B. Carlin, associate dean, Carnegie Institute of Technology; Richard Mullins, assistant to the vice president for academic affairs; Edward R. Schatz, vice president for academic affairs; Norman Rice, dean of the College of Fine Arts; and Earle R. Swank, dean, Division of Student Affairs.

On Saturday, September 27, the group will hear from CMAC area chairmen, Edward B. Harvey, '39, Washington, D.C.; John Laynor, '54, Boston, and Mrs. Gretchen Lankford, '42, Pittsburgh South Hills. In addition, Dr. Denton Beal, director of public relations, and William J. Leary, assistant director of the admissions office, will address the group.

The work done in 1968-69 by CMAC members indicates how valuable the activities of the group are. Of the 3,096 applicants to Carnegie-Mellon for 1969 admission, 1,332, or 43%, were interviewed by CMAC members. And of the more than 850 entering freshmen, 420 or almost 50% were interviewed by CMAC members.

Wernher Von Braun To Lecture at CMU

Dr. Wernher von Braun, one of the world's most renowned space scientists, will speak on the achievements of the nation's space program this fall at CMU.

Dr. von Braun, director of the George C. Marshall Space Flight Center and the man most responsible for the vehicles used in the Apollo program, will present an address Wednesday evening, October 29. Time and location of the talk will be announced at a later date.

Involved in rocket and guided missile development since the 1930's, Dr. von Braun has directed the National Aeronautics and Space Administration's facility at Huntsville, Alabama, for the past nine years. His primary assignment in this position has been the development of the Saturn rocket, used throughout the Apollo program and in the Lunar Landing Project.

Dr. von Braun's address is being held in connection with this year's project for the senior mechanical engineering design course, "Uses of Outer Space," which is being conducted under a grant from NASA. Previous projects in the design course dealt with problems of the city and an intercity short-range aircraft.

The rocket expert's talk will be open to the public.

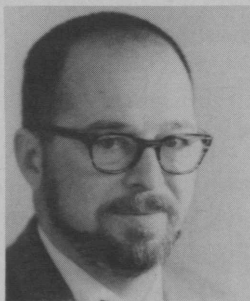
Math Professor Gets Ryan Award

Richard A. Moore, professor and associate head of mathematics, has won the 1969 William H. and Frances S. Ryan Award for Meritorious Teaching.

Dr. Moore, 45, becomes the ninth recipient of the honor.

The award, a certificate and honorarium established in 1961 by a \$10,000 gift from Mr. and Mrs. Ryan of Sacramento, Cal., is presented annually to a faculty member in an undergraduate division for "excellence of teaching." Mr. Ryan was a member of the class of 1925 at Carnegie.

Dr. Moore has been teaching at Carnegie-Mellon since 1956. Earlier he was an instructor at Yale University and the University of Nebraska, and was a research assistant at Washington University (St. Louis).



Professor Moore

He earned his A.B., A.M., and Ph.D. degrees at Washington University in 1948, 1950 and 1953.

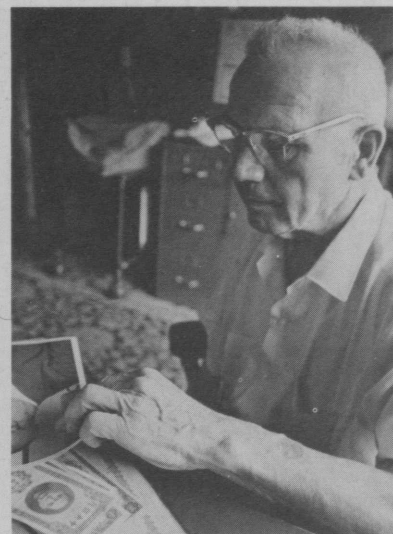
The native of Mansfield, Ohio is consultant in mathematics to the Pennsylvania Department of Public Instruction, the Allegheny County Schools, and is vice-president of the Eastern Area Special School Advisory Board of Pennsylvania, and the Churchill Area School Board. He also serves on the Churchill Area Joint Recreation Council.

He is director of the Mathematical Council of Western Pennsylvania, and is a member of the American Mathematical Society, Mathematical Association of America, National Council of Teachers of Mathematics, American Society of Engineering Education, the Executive Committee of the Pennsylvania Council of Teachers of Mathematics, Sigma Xi, and Pi Mu Epsilon.

Dr. Moore is author of a textbook on differential equations and has written papers for various mathematical journals in the U.S. and abroad.

He is married and has three children.

Mr. Paulick



Alumnus Credits CMU With Success, Gives \$25,000

A native of Hungary who rose from coal miner to successful consulting mine engineer, and who credits CMU with his success, has established a scholarship at the University with a gift of \$25,000.

Paul R. Paulick, who was born in Hungary in 1902 and came to the United States at age 7, has endowed the scholarship "to give another boy a chance to get an education."

Mr. Paulick received a certificate from CMU in 1926 following eight years of elementary school and some correspondence training. He attended CMU full time for two years and took courses in evening school for an additional three years.

The son of a coal miner, Mr. Paulick traveled throughout the United States as a child as his father went "from mine to mine." He really doesn't remember a home-town, but says the family came to Pittsburgh from Homer City, Pa., in 1922, when he enrolled for night courses at CMU.

Mr. Paulick began his career as a miner at age 15 and in ten years worked his way through various positions, including section foreman, mine foreman, mine superintendent, and finally general manager of mines. He then spent thirteen years as a mining engineer with companies in Pennsylvania, Indiana, and Ohio.

In 1943 he became a consultant. In that capacity he completed work for more than 35 organizations around the U.S. and in Nova Scotia, Canada, Scotland, Wales, Mexico, Turkey, Syria, Korea, Germany, China, Formosa, Japan, France, Yugoslavia, Hungary, and Czechoslovakia. He also visited some 26 other countries in Europe, South America, and Asia.

Since 1932 Mr. Paulick has published more than twenty papers and delivered many others in various countries.

He is a Registered Professional Engineer in Pennsylvania and a member of the American Institute of Mining, Metallurgical and Petroleum Engineers.

After 40 years in all phases of coal mining operations, Mr. Paulick is retired and devotes most of his time to what he terms his 'hobby.' His hobby is the stock market which he entered in 1932 with an investment of \$400, to which he has never added. The original \$400 has, to understate the case, increased appreciably since that time.

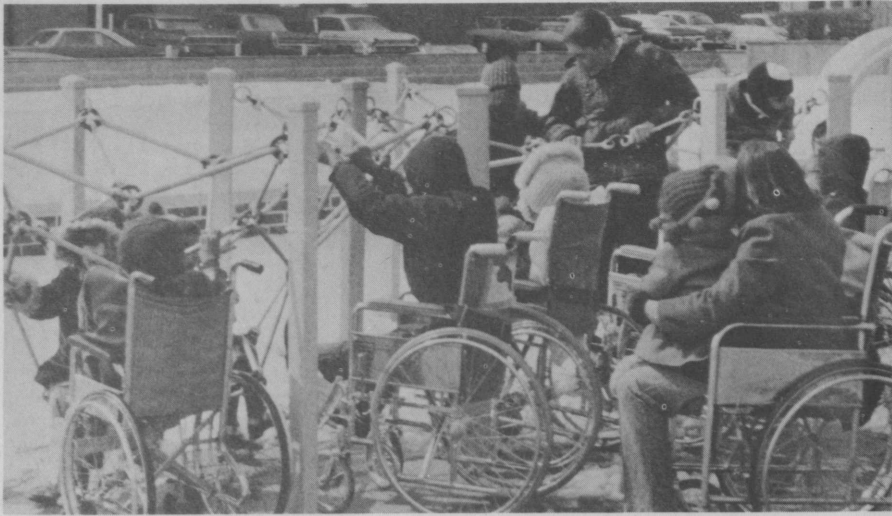
On the desk in the small office Mr. Paulick still maintains in his home is a neatly bound stack of graphs which chart the stock market every year since 1932, and a copy of the ever-present *Wall St. Journal*. The retired engineer states proudly that his systematic study of the stock market has produced excellent results for his family.

He isn't too upset with the present state of the market and is waiting "for the market to settle down," to do some portfolio switching.

The scholarship will be established through a CMU life income plan of \$25,000. The plan provides for Mr. Paulick and his wife Frances to receive the income from the money, invested in Carnegie-Mellon's life income plan, for the rest of their lives.

The income from the gift will then be used to provide a scholarship to a Carnegie-Mellon undergraduate.

Mr. and Mrs. Paulick live in the South Park section of Allegheny County.



Grad Architect's "Playscapes" Rehabilitate Handicapped Children

Asher B. Etkes believes that the games of children are not only their most serious business but his too—especially if the youngsters are handicapped.

Mr. Etkes, who graduated from Carnegie-Mellon in 1950 with a B.F.A. in architecture, heads the Playground Corporation of America, Long Island City, N. Y.

President of the firm since 1964, the alumnus has led it in the development of planned play environments that promise successful achievements, independence and pride for handicapped children.

"We've placed a new rehabilitation tool in the hands of the instructor," he said in an interview last month.

Mr. Etkes' faith in the restorative powers of scientifically-planned, successful play is already substantiated by results at 13 rehabilitation centers in the U. S. There children aged one through twelve who are mentally retarded, emotionally disturbed, deaf, blind, or orthopedically handicapped are reported to be gaining confidence and initiative because of constructive adventures on new playgrounds called "playscapes."

The "playscapes" are composed of closely-spaced components called "playforms," which simulate natural objects such as trees, rocks and shelters. Made of aluminum, steel and concrete (all the trees are concrete), the forms are stationary, enabling youngsters to adjust and firmly control movements within their limitations.

Using the natural objects instead would not be adequate, Mr. Etkes pointed out, because they would be difficult to obtain at the scales required to meet the needs of the children, and because the cost is prohibitive.

"The scale is more important than the visual aspects," he emphasized.

The new play equipment does not require a child to undertake tasks beyond his abilities, Mr. Etkes said.

"The conventional swing, seesaw, slide or whirl all demand a particular kind of skill and athletic competence often beyond the abilities of handicapped children, leading them to failure, frustration, and withdrawal which hinder their social and emotional development," he explained.

Mr. Etkes also believes that because there is no particular structure to any of the "playforms," there is no structure or limit to any of the games played within them. A child may crawl into a shelter unit, for instance, and pretend he is launching his own spaceship. He may mount a circular climber and imagine he is conquering a mountain peak, or perch on various "saddles" and make-believe he is a cowboy.

"The abnormally short interest span of nearly all handicapped children is lengthened considerably in an atmosphere where game conceptions are endless," the alumnus stated, "and since games are challenging to each child on his individual level of accomplishment . . . they prevent the defeat and subsequent withdrawal typical of handicapped youngsters even with small failures and accidents."

Mr. Etkes said that although his interest in the rehabilitation of handicapped children simply "evolved," the idea of upgrading play and using it to speed their improvement came to him before taking the top post

in the Playground Corporation.

"I once had a pet poodle," he recalled. "The dog was crippled—his hind legs were partially paralyzed. But I would still play with him by making him chase after a ball. After awhile his legs started to improve. That's when I asked myself, 'Why can't you improve play for the handicapped?'"

A second inspiration was the late Dr. Elena Gall, who headed the School of Special Education at Hunter College, New York City, and some ten years ago conducted research on the similar character of fantasy play in both handicapped and normal children. She encouraged the Carnegie-Mellon alumnus to develop equipment and markets for the field.

Since then the "playscape" concept has materialized at rehabilitation centers in Brookville, N. Y., Roosevelt, N. Y., Long Island City, N. Y., Bronx, N. Y., St. Louis, Mo., Washington, D. C., White Plains, N. Y., Atlantic City, N. J., Frederick, Md., Houston, Texas, and Melville, N. Y. Marketing plans include parks, recreational areas, school systems and other public institutions as well as private institutions.

Mr. Etkes, who is 46 this month, was born in Haifa, Israel. He came to the U. S. in 1937, settling in New York City. During World War II he was a gunnery instructor in the U. S. Navy. From 1950 to 1964 he worked independently as a marketing and management expert, reorganizing various firms in the building and architectural products fields.



Mr. Etkes

He has written articles on the rehabilitative qualities of play, and has lectured on the subject at the University of Illinois, Syracuse University, the University of Oregon, and UCLA. He was recently appointed editorial adviser to the *Journal of Leisure Research*.

He is married and lives in Long Island City, N. Y.

Warner to Speak At Alumni Forum

Former CMU president John C. Warner will speak at the Alumni Association's first Carnegie-Mellon Forum on Tuesday, September 30 in Skibo. The program will include cocktails in the Faculty Dining Room at 6:00 p.m. and dinner at 6:45 p.m. in the Ballroom.

Dr. Warner's topic will be "Education and Economic Development in the Philippines."

Coming to Carnegie-Mellon in 1938, Dr. Warner served as president of CMU from 1950 to 1965. More recently he has been consultant to the Ford Foundation on Higher Education in the Philippines and Thailand.

The price for the forum is \$3.50 per person. Tickets may be requested by calling or writing the Alumni Office.

Alumni Association Sets Quartet Concerts

The Alumni Association's sixth annual series of concerts featuring the Carnegie-Mellon String Quarter will get under way next month.

Sponsored in support of a music scholarship fund, the concerts will be held in the Skibo Ballroom at 8:30 p.m. on Wednesday, Oct. 8; Tuesday, Nov. 11; and Wednesday, Feb. 11.

Guest soloists will be Godfrey Layefsky, viola, Susan Wagner, cello, and Tyrone Grieve, viola. In the quartet are Sidney Harth, violinist and head of the department of music, and faculty members Teresa Harth, violin, George Grossman, viola, and Theo Salzman, cello.

Featured in the first concert will be works by Beethoven, Mozart, and Roger Goeb. The assisting artist will be Mr. Layefsky.

The second concert will feature Miss Wagner, and will include works by Beethoven, Schubert, and James Beale.

The series will close with works by Beethoven, Brahms, and Ezra Laderman. Assisting in this concert will be Miss Wagner and Mr. Grieve.

Tickets for the series are available at \$2.50 per concert or \$6 for the entire series. Ticket orders or requests for additional information should be addressed to the Alumni Office.

Voice Coach Appointed Andrew Mellon Prof

Edith W. Skinner, noted voice and speech teacher here since 1937, has been named Andrew Mellon Professor of Drama.

Mrs. Skinner began her career in educational theater in 1920 when she became head of the dramatic arts department of Beechwood School for Girls (now Beaver College). From 1923 to 1938 she taught at her summer drama school of The Wharf Players, Provincetown, Mass.; Leland Powers School of the Theater, Boston; Packer Collegiate Institute, Brooklyn, and the Cornish School of the Drama, Seattle.

She has also taught at New York University, lectured at Columbia University and the University of Pittsburgh, and has served as guest coach at repertory theaters around the nation.

Mrs. Skinner



Among her former pupils are Barbara Feldon, Teresa Wright, Shirley Jones, Siobhan McKenna, George Peppard and George Grizzard. Directors Alex Segal, Bob Finkel, William Ball and Ellis Rabb also studied with her.

Mrs. Skinner attended the Leland Powers School and holds B.S. and M.A. degrees from Columbia University. She is a member of the American Educational Theater Association, and is listed in *Who's Who in the American Theater*, *Who's Who Among American Women*, and *Who's Who in the East*.

CMU Alumni, Faculty Contribute to Planetary Exploration

Graduates of Carnegie-Mellon University and their teachers have been more than mere witnesses to the birth of the era of planetary exploration marked by the awesome Apollo-11 moon landing last July.

Some alumni and faculty members actually helped spawn the new age or have committed themselves actively to its growth and what can be learned from it.

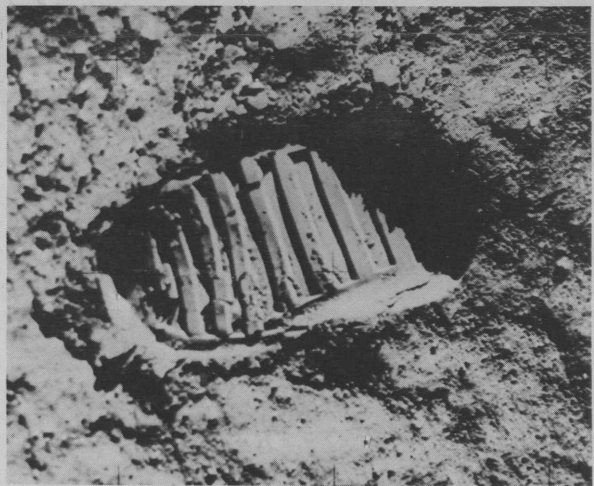
One of the faculty members is Truman P. Kohman, professor of chemistry.

Dr. Kohman will head a team of researchers here in an analysis of lunar materials in order to learn more about the origin of the moon and the history of the solar system.

The lunar samples, collected by Neil Armstrong and Edwin "Buzz" Aldrin of the Apollo-11 crew, are being distributed by the National Aeronautics and Space Administration (NASA). Dr. Kohman will be among some 140 principal investigators in the U. S. and abroad scheduled to receive the moon dust and rocks.

Dr. Kohman's team will use a \$90,000 mass spectrometer to investigate the chemical processes that have taken place in the formation of the moon. The 6,000-pound instrument, purchased several years ago with Carnegie-Mellon funds and a \$40,000 grant from the National Science Foundation, will enable the scientists to study isotopic variations in the elements in lunar materials.

An alumnus who is participating in a similar quest for insights into the origin of the moon and some of its geological processes is James H. Kaye.



Dr. Kaye, who received his M.S. and Ph.D. degrees in nuclear chemistry here in 1961 and 1964, is a senior research scientist at Battelle Memorial Institute's Pacific Northwest Laboratory in Richland, Wash.

Member of a five-man team which will measure the amount and energies of radiation emitted by lunar samples, he is chiefly responsible for developing methods of increasing the sensitivity of instruments used to measure trace quantities of radioisotopes.

With the Institute since 1965, Dr. Kaye has also assisted in the development of more sophisticated computer methods for handling radiochemical problems.

The alumnus is a member of Sigma Xi, and Phi Kappa Phi.

Not only questions regarding the evolution of the moon but of life itself may be answered because of space-related research at Carnegie-Mellon.

Jerome J. Wolken, professor of biophysics and director of the Biophysical Research Laboratory, has sought to adapt the microspectrophotometer to space flight.

The instrument, which permits the analysis of minute structures through wavelength separation, may enable scientists to identify organic molecules related to life systems in outer space. Identification of the molecules, and subsequent inquiries regarding their synthesis, could yield answers about the beginnings and processes of life.

Dr. Wolken has been on the project for some eight years, initiating it before he joined the faculty in 1964. His work on the instrument, of which there are

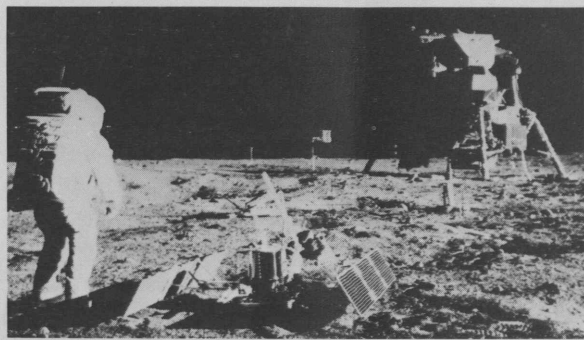
at least five models now, has been supported largely by NASA. He has published a book and articles on the subject.

Whether probing the mysteries of universal life or celestial sand, man must continue to literally step into the heavens for the truth.

One alumnus will do just that next year.

Navy Cmdr. Edgar Dean Mitchell, 38-year-old astronaut who graduated with a B.S. in industrial management in 1952, has been assigned to the Apollo-14 mission in 1970. He will walk on the moon with Navy Capt. Alan B. Shepard, Jr.

New knowledge of phenomena encountered during outer space flights may stem from the work of Marc L. Renard, assistant professor of applied space science and electrical engineering.



Dr. Renard has conducted analyses of optimal solar conditions for interplanetary monitoring probes launched periodically by NASA. The high-eccentricity artificial satellites—one of which went up last spring, and another which is scheduled for blast-off in 1970—are orbited to study electromagnetic fields, particles, solar winds, and other outer space phenomena.

Born in Belgium, Dr. Renard is former senior scientific officer of spacecraft projects for the European Space Research Organization (ESRO). He joined Carnegie-Mellon in 1967.

Studies involving meteorites have gone on at Carnegie-Mellon University's Mellon Institute.

Sidney S. Pollack, fellow, has headed a NASA-sponsored project on X-ray detection of certain disorders in the objects.

Elwood G. Haney, senior fellow, and Lawrence F. Vassamillet, senior fellow and associate professor of metallurgy and materials science, are also among the scientists who have conducted meteorite research for NASA.

Three alumni have played important roles in the construction, guidance, and retrieval of Apollo spacecraft.

U. S. Army Private Lawrence Pinsky, 23-year-old native of Acton, Mass., who earned a B.S. in physics here last year, worked on the intricate guidance system for the command and lunar modules of Apollo-11.

Pinsky, who is stationed at Ft. Jackson, S.C., has been involved in several classified space projects for the armed forces, Army spokesmen say.

Gerald H. Mintz, who graduated with a B.S. in civil engineering in 1961, and Robert D. Hammond, who took his B.S. in mechanical engineering in 1958, were special troubleshooters on earlier Apollo module projects conducted by the North American Rockwell Corporation.

Mr. Hammond captained a staff responsible for assessing and correcting problems detected during final assembly of spacecraft.

Mr. Mintz, engineering computer coordinator for the firm's Apollo program, also headed the development of recovery equipment used in ocean touch-downs.

Both engineers are native Pittsburghers.

The task of learning more about the materials and components which go into a spaceship fell to Carnegie-Mellon researchers also.

John R. Low, professor of metallurgy and materials science, has directed a study involving the "fracture toughness" of high strength alloys.

Jerold L. Swedlow, assistant professor of mechanical engineering, has headed research on stress and deformation in elasto-plastic bodies containing notches and cracks.

Mellon Institute's Dr. Haney and Harry L. Anthony, staff fellow now retired, led a study of stress corrosion cracking of titanium alloys.

Donald L. Feucht, professor and associate head of electrical engineering, and Arthur G. Milnes, professor, have directed research on semiconductor hetero-junctions, and Jon C. Calvert, associate professor of electrical engineering and computer science, worked on "techniques for parameter determination from experimental tests."

On campus and off, Carnegie-Mellon people have more than midwived the birth of the most astonishing period in the history of man. They have become its guardians.

Alumnus Takes Moonwalk in '70

A Carnegie-Mellon alumnus will take a moonwalk next year.

He is Navy Cmdr. Edgar Dean Mitchell, 38, of Hereford, Texas.

The young astronaut, who graduated here with a B.S. in industrial management in 1952, has been assigned to the Apollo-14 moon-landing expedition in 1970.

His wife, the former Louise Elizabeth Randall of Pittsburgh, is also a graduate of Carnegie-Mellon.

Cmdr. Mitchell will be a member of a three-man mission commanded by Navy Capt. Alan B. Shepard, Jr., of East Derry, N.H., the nation's first spaceman. Also in the crew will be Air Force Maj. Stuart A. Roosa, 35, of Durango, Colo.

Cmdr. Mitchell and Capt. Shepard will put their bootprints on the moon. Maj. Roosa will pilot Apollo-14's command module.

The space flight will be the first for Cmdr. Mitchell and Maj. Roosa.

Cmdr. Mitchell entered the Navy following his graduation here, was commissioned Ensign in 1953, completed flight training in 1954, and went on to serve in Okinawa and aboard aircraft carriers *USS Bon Homme Richard* and *USS Ticonderoga*.

Later he earned degrees in aeronautical engineering and astronautics at Annapolis and Massachusetts Institute of Technology. He is also a graduate of the Air Force Aerospace Research Pilot School.

The native of Artesia, N.M., was selected for astronaut training in 1966 and has also been responsible for monitoring the training assignments of new flight personnel at NASA's Manned Spacecraft Center in Houston, Texas.

He holds a DAR award for achieving highest overall marks in flight training, and a China Service Medal. He is a member of Kappa Sigma and Delta Skull.

Mrs. Mitchell received a B.F.A. in painting and design here in 1952, and is a member of Delta Gamma.

It is reported that the Apollo-14 landing, as well as the Apollo-13 mission also scheduled for next year, may include more than one moonwalk per expedition, each one longer than Astronauts Armstrong and Aldrin's two-and-one-half hours on the lunar surface.

Apollo-12 is being readied for blast-off Nov. 14.



Commander Mitchell

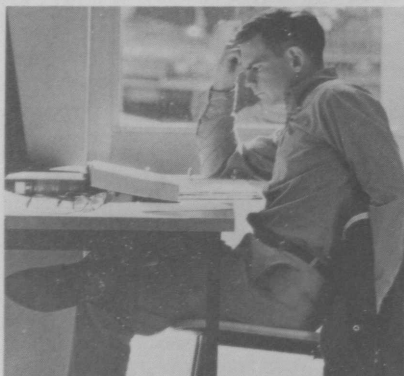


College of Humanities and Social Sciences Opens

When Carnegie Tech, following the merger with Mellon Institute in 1967, became Carnegie-Mellon University, the one element which is basic to a university—a formal college of the arts or humanities—became a prime objective. Tentative plans of several years duration crystallized, and the target date for the college's freshman class was set as September 1969.

September 1969 is here, and with it 125 freshmen in a College of Humanities and Social Sciences which includes departments of English, history, modern languages, social relations, psychology, and economics. The department of social relations includes anthropology, sociology, and political science. The department of history shelters philosophy.

CMU has said that it approaches this new college "from a position of strength," and a "tradition of innovation." What exactly are these strengths? The Carnegie Plan of liberal-professional education deserves examination. Developed by President Doherty, it not only was the best of the "let's-teach-the-engineers-some-humanities" programs, but it represented one of the earliest of the re-examinations of the methods and purposes of higher education. Its basis was the combination of research and application, the mastery of methods of learning and doing rather than the memorization of facts and data, which attempted to prepare a graduate to tackle new problems, strange data, and unfamiliar situations with confidence. Since readily-available handbooks contain countless formulae, the key to the modern world is man's problem-solving ability.



Furthermore, during the tenure of President Warner, not only was the problem-solving approach taken up by the departments in arts and humanities, but there developed an "interdisciplinary" approach to the solution of contemporary problems. The Graduate School of Industrial Administration, founded in 1950, developed the interdisciplinary method in its work on the elements of administration—not only the old studies of economics and finance were found necessary to an understanding of management science, but many branches of psychology, mathematics, and the behavioral sciences as well.

CMU, too, was in the vanguard of the sophisticated study of the computer, its languages, their translation,

and the simulation of thought, rather than the more elementary data-processing approach. The application of the computer to many disciplines aided in the comprehension of the interdisciplinary scheme.

The "let's-teach-engineers-some-humanities" idea, when taken seriously rather than superficially, and when applied rigorously across the campus, results in a literacy which tends to break down the artificial barriers popularly described in the phrase "The Two Cultures." "Liberal-professional" education, taken with an interdisciplinary attack on problems and the general problem-solving design of course content, leads directly to the kind of "relevance" that the more thoughtful of today's students seem to demand. The knowledge necessary to solve contemporary problems is there, the research methods are there, and the grasp of overall implications and the feel for the human side are there as well.

It should not be overlooked that the departments in the new college had a healthy, and, in fact, a nationally-known existence in the "service" Division of Humanities and Social Sciences for several decades. Here were developed the pioneer Advanced Placement courses in English, history, and social studies; "Project English" and "Project Social Studies" for the Office of Education; the Carnegie Education Center, with its advanced curriculum-design research; the Doctor of Arts program; the Cooperative Program with small colleges and Negro colleges; and the community of junior colleges cooperative curriculum projects.

With this heritage the class of '73 will enter a program of four courses each semester. The first semester is comprised of "the computer, mathematics & artificial intelligence," "the literary imagination," "determinants of behavior," and an elective (a possible major, or a sampling towards selection of a major). The second semester continues with more of "the computer, math, etc.," plus "introductions to the arts," "historical understanding," and special seminars.

The computer and math course, which will be taught by some of the finest faculty members from Carnegie Institute of Technology (engineering and science), is designed to bring about the kind of "literacy" referred to above, to reduce the gap between the "two cultures." The problems of today's society need and deserve the application of all man's abilities, and their complexity may often require the humanist to apply a knowledge of quantitative methods.

The "literary imagination" will examine how men engage the minds and feelings of others through works of literature. And the course in "determinants of behavior" will use the resources of psychology and sociology to help students understand the nature of human growth and behavior.

Two kinds of seminars will involve small groups of students directly with a faculty member. A "freshman" seminar will involve students in the faculty member's research or study activities to provide them with a bet-

ter understanding of scholarly activities, reasons, and methods. "Free" seminars will bring a faculty member close enough to students to permit him to function as a direct link between them and the seemingly impersonal institution.

Given the premises upon which the college is based, the other courses of the freshman year are readily understandable. It is clear that the perennial quest of young people for discovering the connections in their learning is being answered, at least in part, by the design of the curriculum. The students say they are interested in the intellectual history of the world, rather than political history, and they want to see the development of the fine arts as it was related to the development not only of the individual artist, but of his society. During the sophomore year the student can move closer to a major subject, or he can continue to experiment. In either case he will be plunged into a rigorous scholarly project of his own in the social sciences.

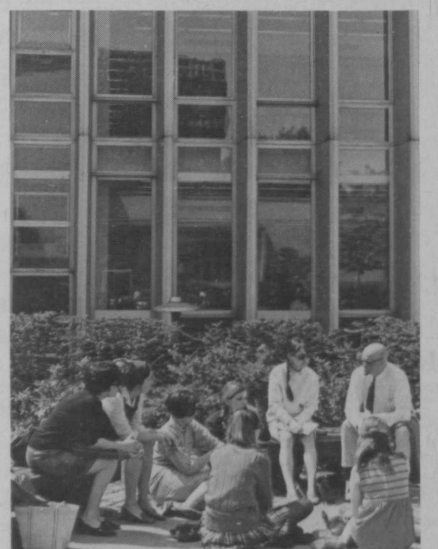
Joining the H & SS student in several of his courses will be freshmen not only from the fine arts departments but from the engineering and science departments, under the new freshmen curriculum developed in Carnegie Institute of Technology (see elsewhere in this issue of the *News*). Common courses for all students, with top faculty members from engineering, science, the humanities, the social sciences, and the arts, are expected to be the most powerful force toward integrating the obviously diverse and sometimes antagonistic elements which have existed on the CMU campus almost since the doors opened in 1905.

What is importantly new about the college is its attempt to provide the best education possible scientifically, through systematic experimentation followed by careful evaluation of the results. The students will be involved in the experimentation throughout their college careers by helping to evaluate courses, procedures, and objectives, and by proposing new experiments.

A prime example of the college's experimental character is one of the ways by which the language requirement may be met. Freshmen will be permitted to undertake non-credit, independent study of a language, and to audit language courses and laboratories if they desire. They will be credited with meeting the requirement if they pass a test in the language at the beginning of the sophomore year. If they fail the test they will be required to enroll in formal language courses in the sophomore year.

When this freshman class reaches its senior year, there will be some 650 students in the college, which may in later years grow to a maximum of 800 students. Already there is a signal that the quality of its students may be remarkably high; there has been a startling jump in the average College Board scores of the September group of freshmen.

If this college answers as many needs of the younger generation as it promises, its student body should quickly become one of the finest in the country.

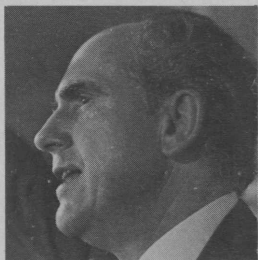


Papandreou Will Deliver Fairless Lectures

Andreas G. Papandreou, exiled Greek political leader, will deliver this year's Benjamin F. Fairless Memorial Lectures.

An ardent advocate for Greek democracy and independence, Dr. Papandreou will speak on "Man's Freedom." His three lectures will deal with: 1. Democracy: Myth and Reality; 2. Industrial Society: Progress or Regress?; and 3. Freedom in the Age of the Superpowers. The talks will be given Nov. 17, 18, and 19.

Dr. Papandreou was the foremost of some 3,000 political activists jailed following the military takeover in Greece in April, 1967. He was charged with treason. George Papadopoulos, the current premier of Greece, has said the junta took over to prevent the Papandreous, Andreas and his father, George, from overthrowing King Constantine.



Dr. Papandreou

However, Dr. Papandreou was released from jail in December, 1967. He went into exile and in the fall of 1968 took a position as professor of economics at the University of Stockholm.

Prior to his involvement in the political life of his native country, from 1938 to 1964, Andreas Papandreou pursued an academic career in the United States. After earning his M.A. and Ph.D. degrees in economics at Harvard, he taught at Harvard until 1947. He subsequently held faculty appointments at the University of Minnesota, Northwestern University and the University of California, where he was chairman of the economics department from 1956 to 1959. He was also director of the Center of Economic Research in Athens, 1961-64.

He served with the U.S. Navy during World War II and consequently acquired U.S. citizenship. His wife, the former Margaret Chant, is an American.

In 1964 he returned to Greece, resumed his Greek citizenship and entered politics as a deputy minister in his father's Cabinet and a deputy in the Greek Parliament. He was later appointed Minister of Coordination and served in the Parliament until 1967.

Since his release from jail in 1967, in addition to teaching, Papandreou has devoted himself to efforts to liberate Greece. He is presently chairman of the national council of the Panhellenic Liberation Movement, whose aim is to end the military domination of Greece. He is also spokesman abroad for the Center Union Party, formerly one of the main political parties in Greece.

As an economist, Dr. Papandreou has authored and coauthored many books and articles. He is a member of several professional organizations, and among various honors he has received are a Fulbright Fellowship and a Guggenheim Fellowship.

For the scholastic year 1968-69 he has accepted an appointment as professor of economics at York University, Toronto, Canada.

The lecture series, established to commemorate Benjamin F. Fairless, former president and board chairman of the U.S. Steel Corporation, brings annually to the Carnegie-Mellon campus an outstanding authority from business, government, or education to speak on a topical subject in his field.

Previous Benjamin Fairless lectures were: Dr. Gabriel Hauge, president of Manufacturers Hanover Trust Company, New York; Dr. Theodore O. Yntema, former vice president of Ford Motor Company; Dr. Arthur F. Burns, president of the National Bureau of Economic Research; David E. Lilienthal, former chairman of the Atomic Energy Commission and founding director of the Tennessee Valley Authority; Dr. Abram Bergson, director of the Russian Research Center at Harvard; and John J. McCloy, former assistant secretary of war and U.S. military governor and high commissioner for Germany.

Alumni Tours Booked for '70

The Alumni Office is offering three tours next year to 1968-69 Annual Alumni Giving Campaign contributors.

The first trip, with departures scheduled for February 16 and 23, will be a tour to Africa. Seats are still available for both departure dates.

A trip to the Orient has been scheduled for early next summer. The three-week tour will include Tokyo, Osaka (where tour members will attend the 1970 Expo), Taipei, Bangkok, Singapore, and Hong Kong, as well as an inland water cruise in Japan. The price of the tour will be \$1495 from Pittsburgh and \$1295 from the West Coast. The tour begins June 6.

The Alumni Office is also offering a trip to Europe from August 2 to August 22. Stops will include Berlin, Vienna, Budapest, Salzburg, Oberammergau, Innsbruck, Munich, and Geneva. An outstanding feature on this tour will be the Passion Play at Oberammergau. Cost of the trip will be \$895.

As soon as literature is available on each of these tours it will be automatically sent to all contributors to the 1968-69 Annual Giving Campaign. Any requests for more detailed information should be addressed to the Alumni Office and will be answered as soon as printed brochures are available.

Urban Affairs Prof Researches Criminal Justice for U.S.

Through a \$50,000 grant, CMU plans to apply systems analysis techniques to aid in the planning and operation of the Pennsylvania criminal justice system, and ultimately to provide a tool to aid each of the states in such planning.

The grant has been made through the National Institute of Law Enforcement and Criminal Justice of the U.S. Department of Justice. It will be under the direction of Dr. Alfred Blumstein, professor of urban systems and operations research and director of the Urban Systems Institute in the School of Urban and Public Affairs.

Dr. Blumstein plans to develop computer-based mathematical models for analyzing and projecting the flows of crimes, cases, and offenders in a total criminal justice system, which includes police, courts, and correctional facilities. By determining the rate at which units (e. g. crimes, defendants, offenders) arrive in a justice system, he will be able to calculate the workloads and the manpower needed to handle this load under current and projected conditions.

The model will also have a feedback feature that will permit tracing criminal careers, and that will enable an examination of the effects on crime of actions taken by crime-control agencies in the context of a total system with inter-related effects. According to Mr. Blumstein, such an approach should ultimately help the system decide how to do better than which it now does so poorly.

Through coordination with the Pennsylvania Crime Commission and Bureau of Criminal Statistics the study will answer questions of particular interest to Pennsylvania justice authorities. The advisory board for the project is comprised of Shane Creamer, executive director of the Pennsylvania Crime Commission; John Yeager, director of the Pennsylvania Bureau of Criminal Statistics, and David Craig, former director of public safety for the City of Pittsburgh.

Mr. Kelley



Savannah Conductor Gets CMU Music Post

Alumnus Chauncey Kelley, founder, director and conductor of the Savannah Symphony Orchestra, has come home.

The 56-year-old artist, a native of Pittsburgh who received a B.A. in music education here in 1935, has been named assistant head and associate professor in the department of music.

He assumed the post Sept. 1.

Mr. Kelley has headed the Savannah orchestra since he organized it in 1953.

Kelley began his career in music as an oboist with the Pittsburgh Symphony Orchestra in 1936. He undertook additional studies at Juilliard School of Music in 1937, and went on to become principal oboist with the New York City Symphony, and oboist with the NBC Symphony.

He performed under such distinguished conductors as Arturo Toscanini, Otto Klemperer, Fritz Reiner, and Leonard Bernstein.

Kelley launched his own conducting career with the ABC Symphony in 1946, serving the first three years as an associate to Paul Whiteman. Kelley remained as staff conductor until 1952.

The musician has toured the U.S., Europe and Central America as guest conductor of the Pasdeloup Orchestra, Paris; Monte Carlo Opera; Trieste Opera; Orquesta Sinfonica Nacional, Santo Domingo, Dominican Republic, and orchestral groups in Rochester, N.Y., Ft. Wayne, Ind., Tampa and Ft. Lauderdale, Fla., and at the Shenandoah Valley Festivals in Woodstock, Va.

From 1951 to 1953 he was music adviser to the Voice of America.

In addition to founding the Savannah orchestra, Kelley laid the groundwork for the formation of the Savannah Arts Council. He also started the Savannah Youth Symphony and initiated a series of youth concerts throughout Georgia.

Kelley, who is married, is a director of the American Symphony Orchestra League, and a member of the American Federation of Musicians, Phi Mu Alpha, and the Rotary Club of Savannah.



Professor Williams

Everard Williams Named George Westinghouse Professor

Dr. Everard M. Williams, professor and former head of electrical engineering, has been appointed George Westinghouse Professor of Electrical Engineering.

The appointment became effective Sept. 1.

A graduate of Yale University, Dr. Williams joined the CMU faculty in 1945, and has received national recognition for his achievements in the fields of engineering, science, and education. Following World War II he received the President's Certificate of Merit for his contributions to the war effort, and in 1957 was named Pittsburgh's Man of the Year in Engineering.

Dr. Williams holds many important patents in radio, radar, and spark machining, and is a director of numerous electronics corporations. He is also president and board chairman of EL-GAR REHAB, Inc., a non-profit slum housing corporation.

AAC Publications

Denton Beal, director of public relations for Carnegie-Mellon University, has been elected chairman for alumni publications of the American Alumni Council.

The Council is a national organization composed of representatives of 1,464 colleges, universities, and secondary schools.

Dr. Beal will serve a two-year term as consultant for various publications produced by member groups. He was also appointed to the executive committee of the board of trustees of the Council.

The *Alumni News* this year won an honorable mention in the Council's annual publication competitions.

Clan News

The Annual Luncheon Meeting of the PITTSBURGH WOMEN'S CLAN was held at 12:30, May 24, 1969, at the College Club. There were 80 members present, including 11 past presidents, Dean Milligan and Mrs. T. R. Alexander, retired dean of MMCC.

As a result of the successful Benefit Bridge this spring, it was possible to award a \$1500 scholarship to Miss Margaret Domurot who will be a senior in the department of humanities, MMCC. The presentation of this scholarship in memory of Gail Sellers Fettek was made to Miss Domurot at this luncheon and she thanked the Clan for its help and confidence in her.

During the meeting, Mrs. E. S. Thorpe was presented with a pin designed as a thistle in recognition of her untiring help and guidance to the Clan and her loyalty to her Alma Mater during the past 50 years.

The following officers were elected for the 1969-1971 term:

<i>President</i>	Grace C. Munhall
<i>First Vice President</i>	Helen M. Lutton
<i>Second Vice President</i>	Madeline Lewis Stephenson (Mrs. R. L.)
<i>Secretary</i>	Dorothy Floyd Burk (Mrs. D. L.)
<i>Treasurer</i>	Mary Scheib Mulvihill (Mrs. D. J.)

Following the business meeting everyone enjoyed the charming program of Scottish dancing and piping presented by Miss Sara Jean Erskine and her troop of young people.

This year, thus far, the activities of the CLEVELAND CLAN have consisted of:

April: A tea for prospective students was held. This very successful function was held in the University Club of Cleveland. Prospective students and their parents, numbering over 100, attended the event.

June: About 25 hardy Clan members and friends braved a rainy Cleveland evening to enjoy a night at the Cleveland Orchestra's Blossom Music Center. The program, entitled "Rogers and Hammerstein Revisited," was thoroughly entertaining.

July: The Clan held its annual Great Lakes Shakespeare Festival evening on July 31st. Following a buffet dinner in the Rose and Crown Inn, the group heard a talk by Milli Virgien, actress and dramatic reader. The theater presentation was "Candida," starring Celeste Holm.

The Cleveland Clan is closely watching the campaign and election in which Mrs. Carolyn Haddock, wife of William S. Haddock (E'47) and mother of future CMU student William S. Haddock II (entering CMU this fall), is attempting to become the only councilwoman in the modern history of Mentor, O. (years ago, in the early days of Mentor, there was one other councilwoman.) We'll be watching—good luck, Carolyn.

On May 24 the first event was presented by the Productions Committee of the WEST COAST DRAMA ALUMNI CLAN. This was a staged reading of Leonard Stadd's "Willy, Go Home," which was directed by Ed Mallory and produced by Ron Satloff. About 150 guests gave an enthusiastic reception to the production at the Masquer's Club in Hollywood. "Willy, Go Home" brought a lot of Tech dramas together again on the same stage and we are hopeful that it is only the first of other adventures still to be undertaken together in the future.

Members of the cast were: Alan Oppenheimer, Barbara Bosson, Jeanne Mann Dickinson, John Ragin, Ron Satloff, Al Checco, Kay Kuter, Brett Parker, Barry Blakeley, Richard Weber, Chuck Walsh, Irene Tedrow, Tom Bellin, Ray Ballard (Bevilacqua) and Burt Rogall. Our invaluable Joe Reich was assistant to the director and stage manager.

The PITTSBURGH MEN'S LUNCHEON CLAN had its origin in the original Pittsburgh Men's Clan. It meets every Monday noon at a reserved table in the Hotel Roosevelt, where members and guests order from the general menu in the main dining room. There are no speeches and any Carnegie man is welcomed by the group. Have lunch with us the next time you are downtown.

An annual meeting was held on June 2, 1969, setting up the following officers and program for the 1969-1970 season:

<i>President</i>	W. H. Braunlich, Jr.
<i>Vice President</i>	F. H. Allison, Jr.
<i>Past President</i>	E. H. Rothfuss, Jr.
<i>Secretary</i>	J. H. Robertson
<i>Treasurer</i>	D. J. Smyers
<i>Directors</i>	W. A. Conwell

Formal meetings will be held on:

September 22nd	Football Luncheon
December 15th	Christmas Party
March 30th	Special Spring Program

Membership in the Pittsburgh Men's Clan does not interfere with your membership in other clans; so, if you have lunch in downtown Pittsburgh you are eligible. Drop in on Mondays and enjoy an hour with your old classmates.

On Saturday, May 10, 1969, a luncheon meeting of the FLORIDA SUNCOAST CLAN was held at the Bath Club at Redington Beach. Thirty-two members attended. Peg Martz played the piano, and her husband, Joe, directed "Carnegie songs" during the cocktail hour.

Colonel Grande called the meeting to order. He stated that this would be the last meeting with the present board of officers. He thanked the officers, the Board of Governors, and members for their help and enthusiasm in getting this Clan started.

Samuel Adolphson, chairman of the nominating committee, moved that the following members, who have agreed to serve until May 3, 1971, be elected to the Board of Governors:

Leonard Broida
Wilda Cook
Helen Kingan
Margaret Martz
Harry Metzler
Edna Pearson
Helen Rugg
Sidney Warner

Newly elected officers are:

<i>President</i>	Dr. Floyd Allison
<i>Vice President (Program Chairman)</i>	Helen Rugg
<i>Second Vice President</i>	Wilda Cook
<i>Secretary</i>	Helen Kingan
<i>Treasurer</i>	Harry Metzler

Dr. Floyd Allison spoke on campus conditions at the University of Tampa. It was agreed that the next meeting will be held on one of the following dates in October—11, 12, 18, or 19.

The LOS ANGELES CLAN participated in a very successful dinner-dance at the Grand Hotel in Anaheim on Saturday, May 10, 1969, attended by 147 alumni from CMU, Pitt, Duquesne, Chatham and Mount Mercy. This event, among other things, provided an excellent opportunity for those alumni who attended more than one school or who are married to alumni from one of the other schools to get together and renew old acquaintances.

The Los Angeles Clan Board of Governors for the 1969-1970 Clan year held its initial meeting on the S.S. *Princess Louise* at Terminal Island on Wednesday, June 11, 1969. The following officers were elected for this Clan year:

<i>President</i>	Rene F. Audette
<i>Vice President</i>	Dr. Richard A. Brandewie
<i>Secretary-Treasurer</i>	Edward J. Stephens

Mr. Edgar (Ab) S. Davis continues as CMAC Chairman.

Other Board members include the following:

Mrs. Eleanor Bice
Dr. Roger Chang
David M. Loop
Bill Marshall
Dr. Gilbert R. Cook
Robert L. Cohen
David G. Reynolds
Charles Rose
Myron J. Seibold

In addition, the following alumni were elected Board Members Emeritus with full voting privileges at any Board Meeting they attend:

Nelson P. Rice
Mrs. Helen Rice
Mrs. Tobias Kotzin
Mrs. Harry D. Krummell
G. Rudolph (Rudy) Brandin

The first general Clan event of the new year will be held at the Tower Restaurant on Tuesday, November 4, 1969. This event will be hosted by the Alumni Federation of Carnegie-Mellon University with cocktails at 7:00 p.m. and dinner at 7:45 p.m. Dr. Stever will be the speaker and a film titled "Distinction for CMU" will be presented. An invitation to this event will be sent to all alumni in the Los Angeles area.

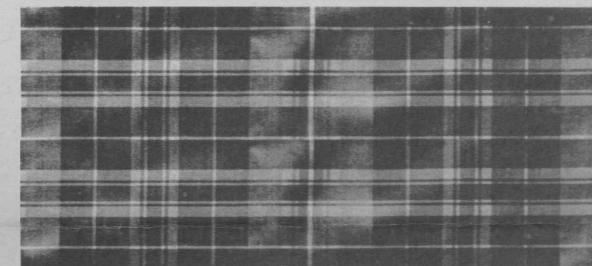
In February, the YOUNGSTOWN CLAN held a reception for prospective college students at the Youngstown Sheet and Tube Research Center. Many returning CMU area students also attended. The final meeting of the year was held during the first week of July. We elected officers and members of the Board of Governors, who are:

<i>President</i>	Sylvester M. Ulicny
<i>Vice President</i>	Dr. John Cernica
<i>Secretary</i>	Mrs. Doris Zimmerman
<i>Treasurer</i>	Mrs. Margaret Galbreath

Board Members:

Donald E. Hunter
Dr. Frank J. Tarantine
Jacob C. Siegle
Mrs. Mary Milleron
Laurin D. Woodworth
Mrs. Shirley Stein
Henry W. Kachel
Robert A. Walsh
Fred M. Heiges
Raymond H. Lohr
Christopher S. Zimmerman
Dr. Karl L. Fetters
H. Walter Damon, Jr.
Robert L. Baker
P. Arthur D'Orazio

The dinner, preceded by a social hour, was held at Hereford Farms near North Jackson, O. We are looking forward to an active year starting in October.



Classes

'08-'19 The Alumni Office has been advised of the death of HARRY KRAFT (E'09) of Downers Grove, Ill., on July 14, 1969.

FRED O. LEOPOLD (I'09) serves as chairman of the board of the F. B. Leopold Company, Inc., of Zelienople, Pa.

J. MURRAY FAHNESTOCK (E'10), editor and writer for auto magazines since 1911, died on April 28, 1969, at his home in Pittsburgh. Mr. Fahnestock was a field editor for the *Society of Automotive Engineers Journal*, on the board of governors of the Pittsburgh unit and was archivist for the group. The author of several books on automotive subjects, he was listed in *Who's Who in the East* and *Who Knows and What*.

G. KRAMER LEITCH (E'10) died on April 24, 1969, after a long illness. Mr. Leitch, an elder of the Bellefield Presbyterian Church, Pittsburgh, retired in 1959 as president of the Westmoreland Brick Company.

EMERSON P. POSTE (E'10) recently received the Hewitt Wilson Award of the American Ceramic Society's Southeast section. Now retired, Mr. Poste is a past president of the ACS, and was presented with the society's 50 year membership certificate in 1963.

THERON WASSON (E'10) is a consulting geologist with offices in Chicago. He is a resident of Riverside, Ill.

The Alumni Officer has learned of the death of Mrs. Sara Carson (SARA NOLIN, M'11) on April 30, 1969. Mrs. Carson, a resident of Washington, Pa., had been a teacher at Clarion (Pa.) State College and the Pittsburgh school system.

EDWIN O. KAUL (E'12), a retired engineer for the State of Ohio, died on February 19, 1969. He was a resident of Columbus, O.

FREDERICK H. KOERBEL (E'12) of Washington, D. C., died on June 14, 1969.

The Alumni Office was informed of the death of DWIGHT W. WAIT (E'13) on May 7, 1969. Mr. Wait was retired from the Bell Telephone Company and was a resident of St. Petersburg, Fla.

LESTER L. COLLINS (E'15), retired from the Chicago Pneumatic Tool Company, is living in Franklin, Pa.

FREDERICK L. ENGLISH (E'15) of Penns Grove, N. J., died on March 16, 1969.

Mrs. Walter A. Hardie (ETHEL FEY, M'17) a resident of Ft. Lauderdale, Fla., died on March 10, 1969.

Mrs. Raymond J. Salsbury (CLARA C. HILLMAN, M'17) of Boynton Beach, Fla., died on July 11, 1969. She is survived by her husband RAYMOND J. SALSURY (E'17).

CHRISTOPHER E. BRIDER (E'18), a member of the American Foundrymen's Association and the Connecticut Society of Engineers, died on March 31, 1969. Mr. Brider, a resident of Branford, Conn., had served as a physical metallurgist at the Boston Naval Shipyard for four years after his retirement.

The Alumni Office has learned of the death of HOWARD R. HOFFMAN (A'18) on June 26, 1969. Mr. Hoffman, a resident of Los Angeles, Calif., was a free lance actor and lecturer.

JOHN C. MURRAY (E'18) of Pittsburgh, Pa., died on March 24, 1969. Mr. Murray was a consultant to the Republic Steel Corporation.

20 WILLIAM F. ALBRIGHT (I) is retired from Travelers Insurance Company and living in West Hartford, Conn.

RICHARD G. BRIAN (I) serves as assistant superintendent for the Ohio State Highways Department. The Brians live in East Liverpool, O.

JEREMIAH F. DE YOUNG (A), a retired teacher who served at Huntington (W. Va.) High School for 29 years, continues to do designing and rendering in ink and water color for architects. Mr. DeYoung has four grandchildren.

The Alumni Office has learned of the death of Mrs. C. J. McCarthy (ANTOINETTE GIANOTTI, M) on March 3, 1969.

WAYLAND R. PORTER (E) lives in Sunapee, N. H. He is a retired teacher.

21 FREDERICK W. AGNEW (I) is retired and living in Pittsburgh.

FRANK E. SWINDELLS (E) is a branch supervisor for Melpar, Inc., in Falls Church, Va.

22 JESSE CLOUD (I) is retired and living in Grosse Pointe Park, Mich.

The Alumni Office has learned of the death of Mrs. Vito Andiorio (LUCY L. COLELLA, A) on April 3, 1969. Mrs. Andiorio, a resident of Scott Township, Pa., was a retired school teacher.

CLOYD E. DIETZ (E) has retired from the Pennsylvania Electric Company. He and his wife live in Johnstown, Pa.

CARL J. SCHUMACHER (E) has retired from the Moody Bible Institute. Mr. Schumacher and his wife reside in Oak Park, Ill.

Mrs. John W. Sheehan (MARY SHEER, M) retired from the Pomona, Calif. *Progress-Bulletin* in February, 1968. She writes that she's now "enjoying our three grandchildren and our new home."

23 JOHN L. BAHR (I), retired chief works engineer of NVF Company, was named "Engineer of the Year" for 1969 by the Delaware Society of Professional Engineers. Delaware Governor Russell W. Peterson cited Mr. Bahr for his "surmounting service to the State of Delaware and to the engineering profession." Mr. Bahr was among the founders of the Delaware Society of Professional Engineers and served as the society's first president in 1950-1951. From 1952-1954 he was a director of the National Society of Professional Engineers. Mr. Bahr now lives in Pompano Beach, Fla.

CARL J. BILLMEYER (A) of Wisconsin Rapids, Wis., is retired from the architectural firm of Billmeyer & Son, AIA.

Mrs. Benjamin D. Staggers (LILLIAN COWAN, M) has retired from her position as director of the volunteer bureau of the Information and Volunteer Services.

Miss MARTHA E. COLEGROVE (M) is retired and living in Smethport, Pa., where she had been a teacher.

The Alumni Office has been informed of the death of EMORY D. JOHNSON (E) on June 24, 1969.

24 MILFORD A. BUCKLEY (I) is president of Carley Manufacturing Company, Inc., of Olean, N. Y.

RAYMOND J. GILLEN (E) is retired from the Republic Steel Corporation. He and his wife are residents of Western Springs, Ill.

ALFRED H. JOHNSON (A) celebrated his 40th anniversary as organist, choir director and minister of music at the Presbyterian Church of Sewickley, Pa., at an anniversary celebration at the church on May 18, 1969. In addition to his duties at the church, Dr. Johnson has taught music for many years, including nine years as head of the music department at Geneva College, where he was awarded an honorary degree in 1953. He is also widely recognized as a gifted composer and arranger.

K. ELMO LOWE (A) retired last July from his position as executive director of the Cleveland Play House. With his retirement, Mr. Lowe ended a 48 year association with the playhouse as actor, director, associate director and executive director. Mr. Lowe had been executive director since 1958.

M. CLAYTON SCHWER (E) reports that he is "semi-retired." He and his wife live in Detroit, Mich.

25 ALBERT C. BOUCEK (E) of Gibsonsia, Pa., retired from his position as a research chemist in the catalyst preparation section, process research division, of Gulf Research & Development Company on May 1, 1969. Mr. Boucek had been with Gulf Research since 1945.

JOHN S. BUZZARD (E) retired on May 1, 1968, as operating manager of The Port Authority of Allegheny County after 43 years' service with Pittsburgh Railways and the PAT. He is now employed on a part-time basis as a traffic planning engineer with Donald M. McNeil, consulting engineer, of Pittsburgh.

Mr. and Mrs. J. WALLACE HOPKINS (E, and M'29) write that Mr. Hopkins has retired and they have moved "to a sea-shore cottage in the pine woods of southwest North Carolina, near Wilmington."

ARTHUR C. RUGE (E) of Lexington, Mass., was the recipient of the Distinguished Contribution Award of the Society for Experimental Stress Analysis on May 15, 1969. Dr. Ruge, who holds over 50 patents, was cited for his original contribution to the technology of experimental mechanics through the development of the SR-4 strain gauge. He is presently associated with and part owner of MKS Instruments Company, Inc., and Space and Tactical Systems Corporation, both located in Burlington, Mass. He serves as board chairman of both companies.

26 CHARLES E. CRAW (PM), who has retired from his lifetime business as a trade typographer, reports that he is now doing "home work" for the American Baptist denomination as a field representative for the Samaritan Foundation, Inc.

SAMUEL C. MAHOOD (I) serves as secretary to the Sewickley Valley Board of Trade and president of the Masonic Hall Association of Sewickley Valley. Mr. Mahood, retired from the Homestead Valve Manufacturing Company, is also a life director of the Easter Seal Society of Allegheny County, Pa.

Miss RUTH M. PHILLIPS (L) is director of the New Rochelle (N. Y.) Public Library. She is presently serving as president of the adult services section of the New York Library Association.

RICHARD R. SITZLER (E) has retired after 40 years' service with the Celanese Corporation. He was director of foreign technical services and in this capacity travelled extensively to the company's fiber plants in Canada, Belgium, Japan, Mexico, Columbia, Venezuela and Peru. He will continue to reside at 2070 Queens Road East in Charlotte, N. C.

27 GLENN M. CHESS (E) retired from his position as plant manager for the Chicago Bridge and Iron Company, Greenville, Pa., on September 1, 1969.

THOMAS A. ELKINS (E) of Pittsburgh, a research mathematician, geophysics section, exploration division, of Gulf Research and Development Company, has been promoted to senior research mathematician. Dr. Elkins served as a mathematics instructor at CMU from 1927 to 1928, joining Gulf in 1930 in the geophysics division.

In the May issue of the *Alumni News* we erroneously reported that CYRUS G. DUNKLE (E) was a consultant for Martin Marietta. Mr. Dunkle recently wrote to us, informing us that "while I still call myself an independent, self-employed consultant on explosion problems, I have actually been in practically complete retirement for almost two years, and enjoying it hugely."

Miss SADYLLE GORDON (M) retired January 15, 1969, from the Pennsylvania Bureau of Employment Security, with whom she had been associated since 1938.

HELEN WRIGHT (M) is a special field representative for the Simplicity Pattern Company. In her position, Miss Wright lectures and demonstrates how to plan, purchase, construct and accessorize a wardrobe. She has lectured for Simplicity for ten years and also serves as a teacher for Singer Sewing Machine Company and a fabric consultant for the Joseph Horne Company.

28 ANDREW M. DOWNER (I) is manager of central quality control for Talon, a division of Textron, Inc., in Meadville, Pa.

HERBERT L. GRAU (E) has been placed in charge of executive and management placement at the Likien Employment and Personnel Service, Pittsburgh, Pa.

PHILIP H. PARKER (E) retired from the Blaw-Knox Company in 1968. He and his wife live in Highland, Ind.

Lieutenant General DONALD L. PUTT, USAF (Ret.) (E) was elected to the board of directors of Hexcel last March. General Putt, vice president of United Aircraft Corporation, serves as an alumni trustee of CMU.

Mrs. Jean C. Browne (JEAN SPELLER, A) of Minerva, O. continues working as an artist and instructor. She writes that she's "just an 'old school' studio painter of the American scene," doing landscape, portraits and still life.

THOMAS W. TRICE (E) retired last August as vice president for electric operations of the Baltimore Gas & Electric Company, a position he had held since 1960. Mr. Trice joined the company in 1936 after earlier association with Duquesne Light Company in Pittsburgh.

29 LECLAIRE G. ALGER (E), a retired librarian, is currently writing books for children.

Mrs. Gertrude Black (GERTRUDE BLENKO, A) a music teacher in Detroit, attended the Bach Festival in Munich, Germany, last June. She spent the remainder of the summer in Austria, the Netherlands and England.

PAUL A. BROWN (E) has retired as associate professor at St. Laurence University. He resides in Lakewood, N. J.

IRENE H. LALONDE (M) serves as an executive secretary for the True Temper Corporation of Cleveland, O. Miss Lalonde is a member of the Cleveland area CMAC.

JOHN W. LUOMA (E), technical assistant for roll sales at Blaw-Knox Company, retired last July after 40 years in the rolling mill industry.

The Alumni Office has learned of the death of Miss CLARA MARZOLF (A) of Pittsburgh, on April 4, 1969.

Mr. and Mrs. STEWART C. RALSTON (E, and ALICE NEUDORFER, A'34) retired last July. Mr. Ralston after 40 years of service with Pacific Telephone & Telegraph Company, and Mrs. Ralston after 18 years as a principal in the Sunnyvale (Calif.) School District.

WALTER A. STERMER (E) is a senior industrial engineer for Columbia Gas Company of Pennsylvania.

CARLO M. VANNICOLA (A), who writes that he is "not retired and still kicking," is president of Jet Mail Service, Inc., of Waltham, Mass. Mr. Vannicola is a CMAC representative in the Boston area.

30 WILLIAM S. BEDELL, JR. (E) is chief inspector for the Union Oil Company of California. Mr. and Mrs. Bedell are residents of Beaumont, Tex.

HADYN BODYCOMBE (A) is an English teacher at Evanston (Ill.) Township High School. The Bodycombes have two children, a daughter who is married, and a son attending Johns Hopkins University.

Mrs. Virginia C. Morrow (VIRGINIA CAUGHEY, M) retired on June 13 from her position as head guidance counselor for the Middletown (Pa.) Area School District.

WILLIAM A. CRICHLEY (I) is president of Diamond Shamrock Pension Trusts of the Diamond Shamrock Corporation, Cleveland, O.

MAX W. LIGHTNER (E) was named administrative vice president—research and technology of United States Steel Corporation recently. Previously he had served as vice president—applied research, a position he had held since 1956.

NORMAN W. LINDSAY (E) has retired after 29 years with the Bristol Company of Waterbury, Conn., a manufacturer of industrial recording, controlling and telemetering instrumentation. His most recent positions with Bristol have been sales engineer in the product marketing and systems engineering and sales departments. Mr. and Mrs. Lindsay have moved to a new home in Largo, Fla.

WILLIAM B. O'NEAL (A) is founder and chairman of the division of architectural history of the School of Architecture at the University of Virginia. A productive author as well as art scholar, Mr. O'Neal has written a number of books on the arts, including *A Pictorial History of the University of Virginia*, which is to be published this fall.

BERNIE WAGNER (A) has been appointed executive administrator of Texlite Industries, Inc., Dallas, Tex. Mr. Wagner joined Texlite Industries last year as manager of national accounts after retiring from the Gulf Oil Corporation, where he was responsible for much of the design and construction of the company's retail service stations.

31 PAUL B. BERGMAN (I) is manufacturing services manager for the electronic tube division of the Sperry Rand Corporation, Gainesville, Fla.

BRONISLAW P. BLAZAITIS (E) is supervisor of standards for the systems division of McGraw-Edison Power Company. His son, CHARLES BLAZAITIS (E'66), is attending CMU's evening school, working towards an advanced degree.

PAUL F. BRAUTIGAM (A) is coordinator for the Pittsburgh Board of Education's Center for the Musically Talented.

JAMES H. DODGE (E) was elected president of the Ligonier Valley (Pa.) Chamber of Commerce last April. Mr. Dodge is assistant vice president of sales of the Latrobe Steel Company.

GEORGE T. ETHERIDGE (I), who retired from his position with Kelvinator International Corporation in 1968, now serves as a consultant to the American Motors Corporation in Detroit.

Kane '31



DONALD P. KANE (E) has been cited by the U. S. Army Mobility Equipment Research and Development Center, Ft. Belvoir, Va., for "Special Act and Service" for co-authoring a published article. He was presented with a cash award and

a Department of the Army Certificate for the article, "Research and Development Advances Aiding Supply Distribution for Military Operations," published in the February 1969 issue of *Army R&D Newsmagazine*. Mr. Kane has been employed since 1967 at the R&D Center, which is responsible for research, development and engineering for round-the-clock mobility in some 20 fields of military engineering ranging from materials handling equipment to mine detection devices. He resides with his wife Kathryn in Alexandria, Va.

Mr. and Mrs. ALBERT C. REDDING (E, and RACHEL MERE-NESS, A'32) live in Beaver, Pa., where Mr. Redding is assistant superintendent of bar finishing at Crucible Steel Company's Midland plant, and Mrs. Redding is a crafts teacher at Beaver Area High School. The Reddings are CMAC representatives in the Beaver Valley area.

32 MATTHEW A. CRAWFORD (E) of Aliquippa, Pa., has joined the Pittsburgh district office of the State Department of Highways as an electrical engineer, the first time such a position has been established in the district. Mr. Crawford's duties will include the preparation and review of district design, plans for electrical installations and the operation and maintenance of all electrical systems within all tunnels under the district's jurisdiction. Before joining the department, Mr. Crawford is a design consultant and engineering specialist with Allstate Engineers of Pittsburgh.

ELIZABETH G. FONNER (A) is chief supervisor for the Dallas (Tex.) County Department of Public Welfare.

ROBERT D. GOOD (E) is assistant manager of food processing for Blaw-Knox Chemical Plants, Inc., of Pittsburgh. Mr. Good appeared as a speaker at last April's Short Course for Oil Mill Operators sponsored jointly by Texas A&M University, the National Oil Mill Superintendents Association and the Texas Cottonseed Crushers Association.

THOMAS C. HOWER (E) marked his 20th year as an employee of Raymond F. Kravis & Associates, Inc., on May 10, 1969. Mr. Hower is senior vice president of the Tulsa, Okla., petroleum consulting firm.

IGOR J. KARASSIK (E) has been appointed president of the newly organized Pioneer Products division of the Worthington Corporation. Mr. Karassik also retains his title of chief consulting engineer for the Worthington Corporation.



Long '32

CARL J. LONG (E) of Carl J. Long Associates of Pittsburgh, has been elected regional vice president of the Illuminating Engineering Society's east central region for 1969-1971. The 10,500 member society is the recognized professional authority for approved lighting standards in the U. S. and Canada. Mr. Long, of Whitehall, Pa., has been in private practice as a consulting electrical engineer in Pittsburgh since 1938.

STEVEN MALEVICH (E), vice president of the consulting engineering firm of Frederic R. Harris, Inc., died on March 17, 1969, in Sao Paulo, Brazil, where he was directing a highway project. He was 56 years old and was a resident of Gainesville, Va. A retired Army colonel, Mr. Malevich had received the Silver Star, the Legion of Merit, the Purple Heart and the Presidential Unit Citation for service in World War II.

J. HENRY O'SHEA (A) received his LL.B. in 1968. After receiving his degree, Mr. O'Shea became affiliated with H&R Block, the nation's largest tax service, where he is now a special assistant to the firm's manager for northern California. He writes that "music still occupies an important part of my life, principally in teaching and conducting, and a few performances."

E. WELDON SCHUMACHER (E) was recently elected a member of the corporation of Lahey Clinic Foundation. Mr. Schumacher is chairman and chief executive officer of the American Optical Corporation, Southbridge, Mass.

JOHN M. SHERRER (A) reports that his first grandchild was born last year. Mr. Sherrer is chief engineer for the Durton division of Cavatron Corporation, Van Nuys, Calif.

33 ROBERT M. ALBRECHT (E) of Homestead, Pa., is supervisor—product planning, for Pittron, a Textron industry.

WILLIAM S. DEPNER (E) is a sanitary engineer for the Commonwealth of Pennsylvania. Mr. Depner lives in Munhall, Pa.

KENNETH M. KIRKLAND (E), a mechanical engineer for Blaw-Knox Chemical Plants, Inc., has been employed by that firm continuously since 1946. Mr. and Mrs. Kirkland are residents of Bridgeville, Pa.

NELSON W. LEWIS (I) is an aeronautical structural engineer for the Piasecki Aircraft Corporation of Philadelphia, Pa.

IRVIN A. VARRAUX (E) of Sharon, Pa., is an instructor of industrial engineering courses at Youngstown State University's School of Engineering. The Varrauxs have two children and one grandchild.

34

WILLIAM BALES (A) was appointed dean of dance at the New York State University in Purchase, N. Y., which opens its doors to students for the first time this fall. Mr. Bales was head of Bennington College's dance department for the past 20 years.

The title Knight in the Order of Italian Solidarity has been awarded to WILLIAM A. BOSTICK (PM), secretary of the Detroit Arts Commission and administrator of the Detroit Institute of Arts, by the President of the Italian Republic. Active in Italian-American affairs since his return from European service during World War II, Mr. Bostick received the honor in a ceremony in Fraser, Mich., from Italian Ambassador to the United States Egidio Ortona last June.

FRANKLIN HELLER (A) has resigned as senior director and general executive of Goodson-Todman Productions to become head of Richard de Rochemont's newly-formed international film company.

Jackson '34



THOMAS E. JACKSON (E) has been advanced to the position of full professor in the department of mechanical engineering and mechanics of Lehigh University, Bethlehem, Pa. Professor Jackson has been a member of the Lehigh faculty since 1937.

HOWARD N. NIELSON (E) is second vice president of the Connecticut General Life Insurance Company. Mr. Nielson, employed by the firm for 35 years, is in charge of city mortgage loans for the company.

PAUL H. RICHARDSON (E) retired last January as Detroit branch manager of the Sargent-Welch Scientific Company. The Richardsons have recently moved to New England.

MORRISON B. ROBBINS (E), a retired Army colonel, is currently serving as a contract administrator for the U. S. Civil Service in Pittsburgh. Mrs. Robbins is the former JANE MOSS (M'37).

LEONARD H. ROSENBERG (E), president of The Chesapeake Life Insurance Company, has been appointed to the Advisory Council on Financial Aid to Students by President Nixon. The Council operates within the Office of Education of the Department of Health, Education and Welfare. It consists of 15 members from the fields of education, lending, state agencies and undergraduate and graduate students. Mr. Rosenberg was nominated for a two year term.

FORREST H. WILLIAMS (E), principal structural engineer for Blaw-Knox Chemical Plants, Inc., has served with the firm for 25 years.

35

WILLIAM G. AGNER (E) is director of engineering for the Norwich Pharmacal Company of Norwich, N. Y.

BERNARD J. BURZIO (E) serves as a guidance counselor for the East Allegheny School District in East McKeesport, Pa.

FRED S. DUBIN (E) participated in a seminar on electrical systems and equipment in the year 2000 which was published in the December, 1968, issue of *Actual Specifying Engineer*. Mr. Dubin, a partner in the firm of Fred S. Dubin Associates, Consulting Engineers, with headquarters in New York, N. Y., has served as a visiting professor at the University of Southern California and as an associate professor at Columbia University School of Architecture. He is the author of several articles on environmental engineering.

FRANCIS V. B. GIOLMA (E), a senior patent attorney for the IBM Corporation, reports that his youngest son begins undergraduate studies at CMU this fall.

The Alumni Office has learned of the death of MICHAEL A. LAZORCAK (A) on May 8, 1969. A resident of Pittsburgh, Mr. Lazorcak had served as an architect with the design branch of the Army Engineers since 1964. He had designed numerous churches, homes, schools, nursing homes and motels.

W. JAMES SHARBAUGH (E), who resigned as vice president, manufacturing and engineering, for the Fesco division of Cities Service Company on March 1, is now serving as executive vice president of the plastics division of Lenox, Inc., Los Angeles, Calif. The Sharbaughs live in Santa Ana, Calif.

36

ALFRED AUGUSTINE (E) reports that his two children are both currently attending CMU, his daughter in foods and nutrition and his son in electrical engineering. Mr. Augustine is director of engineering for Loftus Engineering Corporation, Pittsburgh.

Mr. and Mrs. CHARLES H. HAYES, JR. (A, and SILVIA SCONZA, A'34) are both employees of the Pittsburgh Board of Education. Mr. Hayes is director of educational systems and Mrs. Hayes is supervisor of television education.

ARTHUR KENNEDY (A) has been signed by Cinema Center Films, the motion picture producing arm of the Columbia Broadcasting System, to co-star in a new movie, "Hail Hero." Mr. Kennedy has finished a nine-month Broadway run in the Arthur Miller drama "The Price."

HOWARD C. KOHOUT (E) has been named to the new post of vice president for passenger service at Penn Central Company. Mr. Kohout, who had been a vice president and general manager of the railroad in Chicago, is now headquartered in Philadelphia.

Miss ALICE RUF (L) retired as associate professor in the department of librarianship at the Kansas State Teachers College, Emporia, on June 30, 1969. Miss Ruf is now living in Omaha, Neb.

HARRY F. SHANNON (E) of Monroeville, Pa., has been named manager of administration at U. S. Steel Corporation's Edgar F. Bain Laboratory for Fundamental Research. Mr. Shannon had been assistant to the administrative vice president—research and technology for U. S. Steel. He began his career as a staff assistant at the firm's laboratory in Kearney, N. J., in 1936.

ALFRED WATSON (E), midwest sales manager for the Hagan computer systems division of Westinghouse Electric Corporation, has been appointed director of the Instrument Society of America's power industry division. The division includes members of the ISA who are mainly concerned with power and its production. Mr. Watson is a member of the CMAC.

37

Miss SALLY BRAY (M) was a recipient of the first annual Elva Evans Award of the Council and League for Nursing of Cleveland, O. Miss Bray, who served the CLN as president from 1966-1969, was given the award for her service to the CLN and to the community. She is director of nursing services for the Greater Cleveland chapter of the American Red Cross.

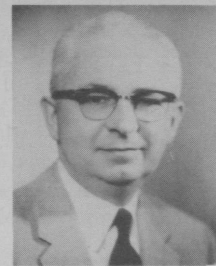
JOHN F. CONNORS (E), corporate director of manpower development for the Martin Marietta Corporation of New York, N. Y., was named regional vice president-elect of the American Society for Training and Development at the society's 25th national conference. Mr. Connors has been with Martin Marietta since 1957, prior to which he taught at Pennsylvania State University.

H. BROOKS ELY (PM) has been appointed director of customer services for Package Products, Inc., of Charlotte, N. C. In his new position, Mr. Ely is responsible for the customer services department, as well as special projects activities for the marketing department.

Ely '37



Connors '37



HENRY LEHNE (E), senior vice president for Sylvania Electric Products, Inc., has accepted an appointment with the Nixon administration as an assistant postmaster general. In his post, Mr. Lehne is responsible for the Bureau of Facilities. He is an active member of the CMAC, and serves as an alumni trustee of the University.

Mrs. Winifred Crossley (WINIFRED MOFFETT, L) is presently serving as state consultant in Children's Library Service and specialist in child book selection and story telling in Michigan. Before accepting her present position, Mrs. Crossley served as head librarian of children's work in the Flint Public Library, was librarian at the University of Michigan elementary school library, and taught children's literature and storytelling at the university.

Roberts '37



W. A. ROBERTS (E), senior vice president of Phillips Petroleum Company, Bartlesville, Okla., was elected to the firm's board of directors last April. Mr. Roberts, who has been with Phillips since 1937, is past president and member of the executive committee of the Oklahoma Petroleum Council and the Oklahoma Air Pollution Council.

LESLIE C. SHOMO (PM), president of the Mid-Atlantic division of McCall Printing Company, Washington, D. C., has been re-elected treasurer of the board of trustees of the National Scholarship Trust Fund, an affiliate of the Graphic Arts Technical Foundation, Pittsburgh. The NSTF awards fellowships and scholarships annually to young people interested in graphic communications careers. Mr. and Mrs. Shomo (EMILY BUMGARNER, M'36) are residents of Alexandria, Va., and are representatives of the CMAC in that area.

'38

HAROLD B. EMERICK (E) has been elected vice president—research & technology of Jones & Laughlin Steel Corporation, Pittsburgh. Mr. Emerick, formerly director of technical services for J & L, has been engaged in metallurgical activities and technical administration since joining the company in 1935. He is considered to be an industry authority in the fields of steelmaking technology and the upgrading of steel product quality. He pioneered in the application of basic oxygen furnace steels to meet widely varying customer specifications when J & L completed its first of three basic oxygen furnace shops in 1957. Mr. Emerick is the author of more than 20 papers published in professional journals and has held several offices in the A.I.M.E.

JAMES L. PENDLETON (E) is a project chief engineer working for Raymond, Morrison, Knudsen/Brown, Rudt and Jones in and around Saigon, Vietnam.

JAMES H. SUTHERLAND (E) is vice president for marketing and sales of Messinger Bearings, Inc. Mr. and Mrs. Sutherland live in Huntingdon Valley, Pa.

'39

MILTON H. ARONSON (E), publisher for the Measurements and Data Corporation, Pittsburgh, Pa., reports that he has started the world's first technical journal with home-study courses and books.

RICHARD N. CRAIG (E), chartered life underwriter, was named for the 12th consecutive year to the President's Club of the National Life Insurance Company. The organization, begun in 1956, requires 18 months of outstanding client service and sales for membership. Mr. Craig, associate general agent of National Life's Kansas City general agency, is also a life member of the life industry's Million Dollar Round Table, signifying annual sales of \$1 million and more, and holds 21 of its consecutive annual National Quality Awards for excellence of service to clients.

JOHN A. DAHLSTEDT (PM) is an assistant district manager of the Chicago Motor Club. Mr. and Mrs. Dahlstadt live in Wheaton, Ill.

Miss IRENE MCLENAHAN (M) is maternity nursing coordinator for the Allegheny County (Pa.) Health Department.

DAVID M. SCHMID (E) is chairman of the board, treasurer and founder of Techalloy Company, Inc., a nationwide manufacturer of wire, rod, strip, high nickel alloys, stainless steels, high strength alloy steels, titanium and electroformed metals. He is a past president of the Wire Manufacturers Association and past chairman of the Philadelphia chapter of the American Society for Metals.

EDMUND V. SUESS (E) has been elected president of the Screw Machine Specialty Company. Mr. Suess succeeds his father as head of the firm.

Schmid '39



'40

DR. EARL R. BORG (A) is principal of the Williams Elementary School in Chicago, Ill.

ARTHUR C. BURLEIGH, JR. (E) serves as general sales manager for the Pennsylvania Wire Rope Corporation, Williamsport, Pa. The Burleighs have recently moved to the Williamsport area from Birmingham, Mich.

WILLIAM J. DIXON (E) was featured in an article appearing in the May 18, 1969, edition of *The New York Times*. Mr. Dixon is senior vice president and a director of the Chicago, Rock Island & Pacific Railroad.

Mrs. Jay F. Steele (HELEN FORD, M) died on April 8, 1969. Mrs. Steele who taught at CMU from 1940-1944, organized and opened the nursery school at Margaret Morrison.

Mrs. I. B. Gruber (AARONEL DE ROY, A) became the first American artist to be invited to exhibit at the Juana Mordo Gallery of Spain, when her one-man show appeared there last May and June. Mrs. Gruber's works of art for this show consisted of 25 paintings and 25 plexiglas sculptures, most of which were designed and created for the exhibition. The Juana Mordo Gallery, located in Madrid, is the largest and most prestigious gallery in Spain.

Peterson '40



MORRIS W. PETERSON (E) has been appointed manager of commercial nuclear and fossil manufacturing at The Babcock & Wilcox Company in Barberton, O. Prior to assuming his new position, Mr. Peterson was an area superintendent in the Barberton works. He has been with Babcock & Wilcox since 1940.

JAMES R. SWEER (E), a project engineer for Blaw-Knox Chemical Plants, Inc., reports that he will be relocating to Sudbury, Canada, for two years as chief field engineer of the INCO Nickel Refinery project. Mr. and Mrs. Sweer have two children, both attending college.

FRANK W. WELLONS (E), Devon, Pa., has been elected vice president, engineering, by SKF Industries, Inc., a Philadelphia based roller bearing manufacturer. Mr. Wellons joined SKF in 1940, and served as the firm's chief engineer before his recent appointment. Mr. Wellons is a representative of the CMAC in the Philadelphia area.



Wellons '40

'41

The Alumni Office has been informed of the death of WILLIAM L. BARR (E) on April 11, 1969. Mr. Barr, of Steubenville, O., was chief draftsman for the Weirton Steel Company.

LEO W. BOSCH (E) is manufacturing manager for the S. G. Taylor Chain Company, Hammond, Ind.

Miss PAULINE CRAIG (A) is supervisor of elementary music for the Uniontown (Pa.) Area School District.

TOM R. DAY, JR. (E) is a senior project engineer for the Diamond Shamrock Corporation, Cleveland, O.

ROBERT W. DUNCAN (E) is supervisor of office services for the Diamond Shamrock Corporation of Cleveland, O.

BENJAMIN R. GRIFFITH (A) is a design engineer for the Mobil Oil Company, New York, N. Y. Mr. and Mrs. Griffith live in Darien, Conn.

Mrs. SONIA GRUEN (E) serves as chief librarian to the Albert Einstein College of Medicine in the Bronx, N. Y.

Jordano '41



Atlantic Richfield Company announced the appointment of FRANK W. JORDANO (E) as operations manager for the company's southern marketing region, headquartered in Charlotte, N. C. Mr. Jordano had been supervisor of plant development and maintenance, western marketing region, before accepting the new position. He joined Atlantic Richfield in 1950 as a product supply coordinator.

CHRISTIAN G. WEEBER (E) is an aerospace engineer for the Naval Aid Development Center, Johnsville, Pa.

'42

FRANK C. ALEXANDER, JR. (E) writes that he began work at Mellon Institute in May, 1937, and started his studies at Carnegie Tech in September, 1937, "so I'm an old CMU alumnus." Mr. and Mrs. Alexander live in Swarthmore, Pa.

HAROLD GARDINER BOWEN, JR. (E), vice admiral in the U. S. Navy, was recently featured in an article appearing in *Navy* magazine. Admiral Bowen is commander of the anti-submarine warfare force in the Pacific. His delegated responsibility is to protect the 85 million square miles of Pacific free world shipping, and the cities and military bases against submarine attack. He commanded the destroyer *USS Conway* in the South Pacific during World War II, and served as commander of Destroyer Division 92 during the Korean conflict.

Retired U. S. Air Force Lieutenant FRANK W. HORN, JR. (E) is a member of the Apollo Program Office at America's spaceport at Cape Kennedy, Fla. He is an aerospace technologist at the National Aeronautics and Space Administration's Kennedy Space Center. The Apollo Program Office personnel maintained liaison during the Apollo 11 lunar landing mission with other NASA agencies throughout the country.

JERE V. KEISER (E) is presently serving as a sales engineer for Jones & Laughlin Steel Corporation, Pittsburgh. Mr. Keiser has been active in the CMAC.

ROBERT H. MC BRIDE (E) was elected president of the Delaware State Board of Education on July 17, 1969.

MARTIN M. REYNOLDS (E), president of Physics Research and Development, Inc., reports that his new firm specializes in commercial application of surface physics. Mr. Reynolds is a member of the CMAC.

CHARLES J. STEINICKE, JR. (E) has retired from his position as executive vice president of Duquesne Brewing Company, Pittsburgh.

JAMES C. WISE (E) has been appointed to the position of director of engineering for the Sheridan Company, Easton, Pa. The firm is a division of Harris-Intertex Corporation.

Deaths

- L'04 Edith Patterson
- E'08 Samuel M. Vincent
- E'09 William H. Frederick
- E'09 Harry Kraft
- E'10 J. Murray Fahnestock
- E'10 George K. Leitch
- M'11 Mr. L. G. Carson (Sara Nolin)
- E'12 Edwin L. Kall
- E'12 Frederick H. Koerbel
- E'13 Albert E. Ball
- I'13 Fred W. Mack
- A'13 Dwight W. Wait
- I'14 H. O. Swenson
- E'15 Frederick L. English
- M'15 Mrs. Stephen E. Schuman (Thecla L. Schleifer)
- I'15 S. Merkel Sperry
- I'17 Claire Henry English
- M'17 Mrs. Walter A. Hardie (Ethel Fey)
- I'17 Florence A. Ogden, Jr.
- E'17 Abraham I. Rosenthal
- M'17 Mrs. Raymond J. Salisbury (Clara C. Hillman)
- E'18 Chris E. Brider
- A'18 Howard R. Hoffman
- E'18 John C. Murray
- E'19 Samuel H. Cohen
- A'20 Vincent Mallory
- M'20 Mrs. C. J. McCarthy (Antoinette Gianotti)
- A'22 Mrs. Vito Andiorio (Lucia Colella)
- E'22 Herbert W. Roden
- L'22 Marion W. Thompson
- E'23 Harry W. Breitweiser, Jr.
- E'23 Harold J. Cass
- E'23 Emory D. Johnson
- I'23 Joseph Parry
- E'23 Vincent F. Quinlan
- E'25 John G. Bright
- A'25 Verner L. Haldene
- E'25 Tracy C. Wetherby
- L'26 Katherine M. Seiler
- E'26 Frank Leslie Wagner
- E'27 C. William Garver
- L'27 Marguerite E. Hubbell
- A'29 Clara A. Marzolf
- PM'29 Elmer A. Normandeau
- E'30 Parks W. Miller
- E'30 Paul H. Nolin
- A'31 Joseph B. Patterson
- A'31 Mrs. Edna D. Perkins (Edna D. McCullough)
- E'32 Steven Malevich
- M'33 Mrs. Richard F. Brown
(Dorothy M. Remensnyder)
- I'34 Gerard A. Freiland
- A'35 Michael A. Lazorcak
- E'37 Harry W. Kinzler
- M'40 Mrs. Jay F. Steele (Helen M. Ford)
- E'41 William L. Barr
- E'46 Dr. Henry Marchman
- E'48 James W. Useller
- E'49 Frank J. Skowron
- E'50 Francis W. Hoffman
- E'51 John D. MacDonald
- M'53 Edgar R. Clark
- PM'54 Harold B. Pollack
- E'61 Dr. Howard L. Schneider
- A'66 Mrs. Carol A. Wright (Carol A. Davis)

'43

CHARLES H. ANDERSON, JR. (E) is a division engineer for Swindell-Dressler Company, Pittsburgh.

KARL A. ARNOLD (E) accepted a new position as maintenance and engineering consultant for Eastalco Aluminum Company, Frederick, Md., last June.

DWIGHT B. BAKER (A) is an associate professor of music at Slippery Rock State College, Slippery Rock, Pa.

Mr. and Mrs. DAVID DREWERY (E, and ELEANOR LLOYD, M'43) are residents of Cincinnati, O., where Mr. Drewery is vice president, manufacturing of Cincinnati Shaper Company.

Mrs. Susan Jane Goodman (SUSAN JANE RUGG, M) is an assistant professor of nutrition at Duquesne University's School of Nursing.

ROBERT Y. HARE (A) serves as director of Eastern Illinois University's School of Music. Mr. and Mrs. Hare live in Charleston, Ill.

WAYNE E. JOHNSON (E) is vice president of Scovill Manufacturing Company, Waterbury, Conn.

EDWARD A. MACHA (E) has been named program manager of naval nuclear equipment by the electro-mechanical division of Westinghouse Electric Corporation. Mr. Macha, an employee of Westinghouse for 28 years, will direct and control all naval nuclear programs for the electro-mechanical division. While employed at the Bettis Atomic Power Laboratory of Westinghouse in 1950-1953, Mr. Macha contributed to the development of the reactor and other equipment for the *USS Nautilus*, the world's first nuclear-powered ship. He is president of the Westinghouse Engineers Society and a member of several technical societies.

EMILE RUTNER (E), of the thermo and chemical physics branch of the Air Force Materials Laboratory, materials physics division, has been elected a fellow of the American Institute of Chemists. Dr. Rutner came to the materials laboratory in 1960 and is involved with ablation chemistry, especially its consequences for antenna windows and observables.

MISS ELIZABETH A. BEALL (M) is a librarian at Rollins College, Winter Park, Fla.
 GEORGE C. COPETAS (E) is manager of Good-year Hellas in Thessaloniki, Greece.



Dunn '44



Hovis '44

CHARLES W. DUNN (E), division superintendent of rolling at U. S. Steel Corporation's Fairless works for the past three years, has been appointed assistant general superintendent—production of the company's largest steel plant, the Gary (Ind.) works. Mr. Dunn has been with U. S. Steel since 1946.

JAMES E. HOVIS (E) has been appointed executive vice president of Bloom Engineering Company, Pittsburgh. Mr. Hovis, who joined Bloom Engineering in 1952, was formerly executive vice president—sales.

THEODORE J. MACOSKO (E) is president of The Wilmington Casting Company, Wilmington, O. Mr. Macosko is an active representative of the CMAC.

THOMAS W. REES (E) has completed 25 years of employment with Bell Aerosystems, Buffalo, N. Y. Mr. and Mrs. Rees are residents of Niagara Falls, N. Y.

WILLIAM R. SCHWAB (E) recently retired as director of production at the Ford City, Pa., plant of PPG Industries, Inc. Mr. Schwab began his career with PPG in 1925, and was appointed plant director of production in 1967. Mr. and Mrs. Schwab live in Ford City, where Mr. Schwab is active in various civic, social and service organizations.

E. M. WARNER (E) is director of engineering for the mining machinery division of Joy Manufacturing Company. Mr. Warner has been with Joy since 1947 and has held his present position since 1962.

GEORGE M. CRAIL (E) is a registered representative of the Investors Security Corporation in Butler, Pa.

CHESTER W. FEINBERG (E) is a sales representative for PPG Industries, Inc., in Portland, Ore.

ALBERT S. FREEDMAN, JR. (E) is a reliability specialist for General Dynamics Corporation, Pomona, Calif. His daughter, EMILY FREEDMAN, is a 1962 graduate of Margaret Morrison.

SIMON W. KOENIG, JR. (E) is a senior mechanical engineer for the Vertol division of the Boeing Company in Eddy-stone, Pa. Mr. and Mrs. Koenig live in Wilmington, Del.

FRANK H. MASKIELL (E) is scientific programming supervisor for McGraw-Edison Company in Canonsburg, Pa.

WILLIAM E. MONTGOMERY (E) is a product development engineer for the Union Tank Car Company, East Chicago, Ind.

THEODORE J. CARIDIS (E) is secretary-treasurer of the D. D. Foster Company, Pittsburgh, Pa.

The Alumni Office has learned of the recent death of HENRY MARCHMAN (E). Dr. Marchman, a resident of Palo Alto, Calif., was vice president of operations at Rheem Semiconductor Corporation.

ANTHONY A. MARTIN (L), formerly senior associate director of the Carnegie Library of Pittsburgh, has been named director-elect. Mr. Martin joined the Carnegie Library in 1936 as a student assistant, and served in the reference department, as administrative assistant to the director, and head of the North Side branches. Active as an officer in the Pennsylvania Library Association, he has also taught at Duquesne University.

WILLIAM S. MCINTYRE (E) has been named chief engineer, controller's office, for Allegheny County, Pa. Mr. McIntyre was formerly employed in the equipment division of Blaw-Knox Company.

WILLIAM R. WILCOX (E) is an assistant department manager for Mobil Oil Corporation in New York, N. Y.

Marriages

Alma Hayes and L. Barry Biagini (E'61)

AT HOME: 209 E. Shellbrook Dr., Raleigh, N. C. 27609

Sharon A. Gombert (M'62) and David A. Maxon

AT HOME: 1224 St. Aubin, Detroit, Mich. 48207

Elizabeth Hartman (A'65) and James Gill Dennis

Susan Gray Buchanan and Michael James Knepley ('69)

AT HOME: Greenlee Rd., Apt. 2, Pittsburgh, Pa. 15227

Colette Cuerre and Demetrios S. Lahanas (E'65)

AT HOME: 22 King George II St., Athens, Greece

Anna Sue Lankford (E'68) and William James Burwash

AT HOME: 25 Hashey Ave., Apt. 6, Barker's Point,

Fredericton, New Brunswick, Canada

Jean M. Lindsay (A'61) and Joseph Morein

AT HOME: 88 Bleeker St., New York, N. Y.

Ellen Marie Maher (E'67) and Lt. Peter H. Tallman

AT HOME: 855 S. Greenbriar St., Apt. 33, Arlington,

Va. 22204

Judith Ann Neundorf (M'61) and Arthur I. Moss

AT HOME: 1531 Shattuck Ave., Berkeley, Calif.

Anne Mason Hargrove (M'69) and Dale Bradford

Peschel (E'68)

Angelyn Richardson (M'42) and Robert M. Coffman

AT HOME: 4315 W. 78th Ter., Prairie Village, Kan.

66208

Anne Marie Richter (A'62) and Hitoshi Nakazato

Margaret Riva (M'64) and Frederick F. Bartok

AT HOME: 116 Highland Dr., Circleville, Irwin, Pa.

15642

Barbara S. Johnson (A'67) and Robert P. Shuty (E'67)

AT HOME: 5415 Fifth Ave., Apt. B-204, Pittsburgh, Pa.

15232

Donna Teuchert and Dr. William J. Treytle (E'64)

Nancy R. Cameron (M'65) and Stephen E. Veyo (E'60)

AT HOME: Murry Crest Apartments, Apt. 201, Murrys-

ville, Pa. 15668

Miriam Sweeney Cooney and William R. Wilcox (E'46)

Arlene K. Winner (M'65) and Kevin P. Davis

AT HOME: 100 Chatham Park Dr., Pittsburgh, Pa.

15220

Mary E. Woodworth (M'32) and Dr. Fred Nelan

AT HOME: 306 Trinity Dr., Washington, Pa. 15301

B. FLOYD BROWN (E) was co-recipient of the 1969 Sam Tour Award of the American Society for Testing and Materials. The Sam Tour Award is given to the author or authors of a paper, published by the society, of outstanding merit in the field of improvements and evaluation of corrosion testing methods. This year's award was given to Dr. Brown and Cedric D. Beachem for their paper, "A Comparison of Three Pre-cracked Specimens for Evaluating the Susceptibility of High-Strength Steel to Stress Corrosion Cracking." Dr. Brown is head of the physical metallurgy branch of the U. S. Naval Research Laboratory, Washington, D. C., a position he has held since 1954.

Mrs. A. B. Michelson (BETTY CAVITT, M) is a resident of Scottsdale, Ariz., where she breeds and raises horses. Mrs. Michelson is an active member of the CMAC.

VAL R. CICCONE (E) has been named vice president of Caroline Foods division of Textron, Inc., Federalsburg, Md. Mr. Ciccone joined Caroline Foods in 1966 as director of finance. Previously he was with General Foods and the national accounting firm of Touche, Ross, Bailey and Smart.

VINCENT E. FIRST (E) is a project engineer for Rust Engineering Company, Pittsburgh. He is a member of the Pittsburgh area CMAC.

JAMES E. FRANZ (E), general personnel manager for the Bell Telephone Company of Pennsylvania, is currently serving as president of the Pittsburgh Personnel Association. He is also a director and treasurer of the United Mental Health Association.

CHARLES LAW MC CABE (E), Grosse Pointe Farms, Mich., has been named a trustee of Marygrove College, Detroit. Dr. McCabe is divisional vice president and general manager of the Koebel Diamond Tool Division of Norton Company. Dr. McCabe was previously in the U. S. Department of Commerce as deputy assistant secretary for science and technology, and prior to that position was on the staff and faculty of CMU for 15 years.

WILLIAM JOSEPH MILLER (E) is president and managing director of the E. I. Company, Ltd., of the Shannon Airport, County Clare, Ireland. Mr. Miller's home is in County Limerick.

WILLIAM R. WILCOX (E) is an assistant department manager for Mobil Oil Corporation in New York, N. Y.

WILLIAM S. MCINTYRE (E) has been named chief engineer, controller's office, for Allegheny County, Pa. Mr. McIntyre was formerly employed in the equipment division of Blaw-Knox Company.

WILLIAM R. WILCOX (E) is an assistant department manager for Mobil Oil Corporation in New York, N. Y.

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Moore '47

PAUL F. MOORE (E) has been appointed director of marketing, Western Products, Milwaukee, Wis. Mr. Moore was formerly associated with Lincoln Electric Corporation, Cleveland, and Applied Power Industries, Milwaukee. Mr. Moore, his wife and five children live in Brookfield, Wis.

W. WALTER RENBERG, JR. (E) is vice president, marketing for the power systems division of McGraw-Edison Company, Canonsburg, Pa.

ADOLPH SLONE (E) was appointed director of manufacturing of Schenley Industries, Inc. Mr. Slone heads the company's technical services, including engineering and purchasing, as well as manufacturing. Mr. Slone has also assumed the additional title of president of Schenley Distillers, Inc., manufacturing arm of the alcoholic beverage firm. A Schenley employee since 1947, Mr. Slone most recently served as executive assistant to the firm's vice president.

HAMILTON M. WHITLINGER (A), national sales manager of L & M Industries, Pittsburgh, reports that he is still active in the dance orchestra and musical contracting business.

SUSAN WILLIS (A) was a member of the national tour cast of "Fiddler on the Roof." Miss Willis is a resident of New York, N. Y.

Prints by HELEN BOODMAN (A) were on display at the Third Contemporary Art Exhibit at Temple Emunah, Lexington, Mass., and the Intrepid Gallery, Wellesley, Mass., last spring. Miss Boodman is a member of the Hubbard Street Printmakers, a group of 12 artists who show together and conduct group critiques so as to keep the quality of their work at the highest possible level.

WILLIAM CARPENTER (E) has been elected vice president-corporate relations, of PPG Industries, Inc., Pittsburgh. Mr. Carpenter joined PPG in 1948, and prior to his new appointment served as director of corporate relations. In addition to his present position, he serves as chairman of the company's public affairs committee and as vice president of the PPG Industries Foundation.



Glass '48



Carpenter '48

ROBERT A. CHARPIE (E) resigned as president of Bell & Howell Company last May to accept the presidency of The Cabot Corporation in Boston, Mass. Dr. Charpie was also elected a director of the firm, which is a leading producer of carbon black and other performance chemicals, crude oil and natural gas.

DAVID E. DEUTSCH (E) is manager of the structural composites department of Aerojet General Corporation, Azusa, Calif.

VICTOR G. GLASS, JR. (E) has been appointed superintendent of the new basic oxygen process steelmaking shop under construction at U. S. Steel Corporation's Lorain, O., works. Mr. Glass has been assistant superintendent of the BOP shop at U. S. Steel's Duquesne works. Construction of the new multimillion dollar shop at Lorain is expected to be completed in 1970.

JOHN E. HATCH (E) was recently transferred from the Davenport, Iowa, works of Alcoa to the Pittsburgh offices, where he is now chief product metallurgist for ingot, powder and direct cast products.

CHARLES E. HAWLEY (A), owner and president of Hawley Advertising Agency, was named a member of the Lake George (N. Y.) Park Commission.

JACK KLUGMAN (A) appears in a major role in the Paramount production, "Goodbye, Columbus," a film that has attracted a good deal of favorable attention across the nation.

JOHN M. MCGUIGAN (E) has been named general manager of the Penn Central Company's New Haven region. As general manager, Mr. McGuigan will be the region's top operating officer and will share responsibility for running the New Haven with Penn Central's vice president in charge of New Haven. He is a veteran of 21 years of service with the former Pennsylvania Railroad and the Penn Central. His assignment for the past year had been executive head of the Eastern region, which embraces passenger and freight operations on the New York-Washington main line and lines in Central Pennsylvania and south to Norfolk, Va.

Mruk '48



WALTER F. MRUK (E) has been named president of Systems Technology Corporation, Warminster, Pa. The firm is a consultant and contractor for instrumentation and control systems. Founded by Dr. Mruk last year, STC recently was acquired by Management Data Corporation of Philadelphia. Prior to the formation of STC, Dr. Mruk was associated with New York Institute of Technology as technical director for an experiment in education to develop a computer managed, multi-media course in physics at the U. S. Naval Academy. Mrs. Mruk (CLAUDIA URBAN, A '49) is a professional violinist performing with the Pennsylvania Ballet Company, the Philadelphia Lyric and Grand Operas and she also teaches in the Lower Moreland public schools. Dr. and Mrs. Mruk and their daughter live in Huntingdon Valley, Pa.

HOWARD B. PALMER (E) has been named chairman of the fuel science section, department of materials science, at The Pennsylvania State University, University Park, Pa. Dr. Palmer joined the Penn State faculty in 1955 as an assistant professor after teaching and conducting research at Brown University and the University of Wisconsin.

A recent letter from GENE PLISCHKE (E) brought us up to date on his numerous professional and civic activities. Mr. Plischke, who had an article on RF hazards published in the June issue of the *ASSE Journal*, was voted Safety Engineer of the Year by the Hawaii chapter of the American Society of Safety Engineers and was elected secretary of the chapter. He has been made business manager for the monthly publication of the Hawaii Council of Engineering Societies, *Wiliki o Hawaii*, and is chapter secretary for the Hawaii chapter of the Society of Fire Protection Engineers. Governor John A. Burns has appointed Mr. Plischke to the Governor's Committee on Employment of the Handicapped, and he also serves as first vice president of the Halawa Hills Estates Community Association.

WALTER C. TICE (E) has left his position with Control Data Corporation to become a specialist in contract administration in the medium systems department of the information systems equipment division of General Electric Company in Phoenix, Ariz.

THEODORE J. TSEVDOS (E) has returned from the Far East where he was general manager of RCA Taiwan, Ltd., to accept a position as general manager of the Philips Broadcast Equipment Corporation of the North American Philips Corporation in Paramus, N. J.

The Alumni Office has learned of the death of JAMES W. USELLER (E) on June 28, 1969. Mr. Useller, who was a member of the Cleveland area CMAC, had been a research scientist at the National Aeronautics and Space Administration's Lewis Research Center. A member of NASA since its inception, Mr. Useller was involved in the training of the Mercury 7 astronauts and most recently was doing work in zero gravity research.

'49 GEORGE L. BALDWIN (E) of New Vernon, N. J. has been promoted to assistant director of the Computing Technology Center at Bell Telephone Laboratories. In his new post, Dr. Baldwin will be responsible for the computation center at the Whippany, N. J. location of Bell Labs. He will also be in charge of a department which is developing advanced methods of generating graphic output by computer at Bell Labs in Murray Hill, N. J.



Baldwin '49

WILLIAM H. BOOTH (E) reached his 20-year employment anniversary with West Penn Power Company last July, and was welcomed into the firm's Veterans Association. Mr. Booth, senior engineer in the Greensburg, Pa., general office planning engineering department, began as assistant relay engineer at Washington, Pa. Named junior planning engineer in 1951, he progressed to staff engineer in 1955 and was promoted to his present position in 1965.

JOHN L. DEAL (PM) is director of sales promotion for Sequoia Press, Inc., Kalamazoo, Mich. Mrs. Deal is the former ELEANOR GEMMILL (M'45).

Dr. and Mrs. DAVID I. SAPPER (E, and SHIRLEY BLUMENTHAL, M'52) have four children and live in Southfield, Mich. Dr. Sapper is manager of materials research for the Uniroyal Tire Company.

The Alumni Office has learned of the death of FRANK J. SKOWRON (E) on July 6, 1969. Mr. Skowron was a project engineer for Gulf Research and Development Company.

THOMAS E. STELSON (E), Alcoa professor of engineering and head of the department of civil engineering at CMU, has been appointed to the board of trustees of Advanced Technology Consultants, Wallingford, Conn. ADTEC provides consulting services, either by individuals or teams, to business and industry, the financial community and to government organizations engaged in the fields of aerospace sciences, medical electronics, nuclear energy, pollution control, computer sciences, oceanography, transportation and instrumentation. Dr. Stelson, who is a member of the CMAC, his wife and four children live in Forest Hills, Pa.

'50 MARVIN H. BERNSTEIN (E) received an M. S. in industrial management from the Polytechnic Institute of Brooklyn at its June commencement.

JOSEPH BERUH (A) reports that he has just completed a new 299 seat theater on West 76th Street, New York, N. Y., called Promenade Theatre, and has co-produced a new musical called "Promenade," which opened last June.

Joyce Fullerton (JOYCE DANIELS, M) is working in the Child Evaluation Center of the University of Louisville's School of Medicine. During the past year she has been working with the members of the center staff in the preparation of a book on mentally retarded children. Mr. and Mrs. Fullerton and their two teenage children live in Louisville, Ky.

MILTON V. DEJEAN (E) writes that he, his wife and six children "will start a new adventure" with the promotion of Mr. DeJean to general manager of CDSN-Westinghouse, located in LeMans, France.

Commander BRUCE O. GAIR, USN (E) reports that he is establishing a new Navy engineering management group, after leaving his post as chief engineer on the *USS Constellation*.

ROBERT F. MANSFIELD (E) of Lower Burrell, Pa., has been promoted to staff engineer in the economics and computer science division of Gulf Research and Development Company. In his new position, Mr. Mansfield will handle special assignments, particularly those related to the conversion of solid fuels to synthetic crude or liquid fuels. He has been with Gulf Research since 1953.

JOHN E. MCDONALD (E) had an important role in the Apollo 11 lunar landing mission. He is an aerospace technologist in the National Aeronautics and Space Administration's Office of Manned Space Flight in Washington, D. C. This office is responsible for the planning, direction, execution and evaluation of NASA's overall manned space flight program.

JOHN G. PRICE (E) is cost engineering manager, systems development division, of the IBM Corporation, New York. Mrs. Price is the former PATRICIA MC ELHATTAN (M'50).

Dr. DOUGLAS H. SHAFFER (E) is an advisory mathematician at the research laboratories of Westinghouse Electric Corporation, Pittsburgh, Pa. Mrs. Shaffer is the former CAROLINE DE VAL (M'51).



Stewart '50

J. K. STEWART, former vice president of Air Products and Chemicals, Inc., is one of the founders of Andro Corporation, a new firm in the environmental control field. Mr. Stewart has been named executive vice president and a director of Andro, which will be headquartered in Englewood Cliffs, N. J. Andro has recently acquired the Webster Engineering and Janitrol divisions of the Midland-Ross Corporation.

Mrs. John C. Helmick (EVELYN M. THOMAS, M) received a Ph.D. in English from the University of Miami on June 8, 1969. The topic of her dissertation was "Elinor Wylie: The Woman in Her Work."

EVE THURSTON (M) joined the City of New York's Municipal Reference and Research Center, part of the Municipal Service Administration, on July 1st. Formerly this unit was the Municipal Reference Library—a special branch of the New York Public Library. Miss Thurston continues to be head acquisitions and cataloging librarian and associate editor of its publications. She reports that several years ago her essay and bibliography on a history of Negro children's education in New York City won a Skeel Foundation grant. She has also advised government agencies on their filing and classifying efforts. Miss Thurston participates in many church and volunteer activities and attends classes at the New School for Social Research.

JOSEPH C. TROY (E) has joined Cyrus Wm. Rice & Company and has been elected vice president for design engineering. Mr. Troy has 13 years' professional experience in engineering positions in the steel industry. Cyrus Wm. Rice & Company, a subsidiary of NUS Corporation, is a leading firm of consulting engineers and scientists in the area of water and waste treatment, water reuse and conservation measures.

RICHARD G. WOOD (E) was recently promoted by the Reynolds Metals Company to a position in the central engineering office in connection with expansion and modernization of Reynolds facilities. Mr. Wood had previously been on temporary assignment in Montreal helping to oversee construction of facilities in Quebec. Prior to that he had been general foreman in the electrical maintenance department of the St. Lawrence plant for three years. He began his career with the firm in 1959 as an electrical engineer.

'51 STEPHEN M. BLAZEK (E) is head of the trials and analysis branch, ship silencing division, of the Naval Ships System Command, Washington, D. C.

WILLIAM S. DORN (E) serves as professor of mathematics and director of computer education at the University of Denver. Dr. Dorn is the technical editor for professional publications of the Association for Computing Machinery, and is the author of two textbooks on computer science.

Lawton '51



Dravo Corporation has announced the appointment of WILLIAM B. LAWTON, JR. (E) as an assistant purchasing agent. Mr. Lawton joined the diversified, Pittsburgh-based firm in 1953 and was a purchasing engineer before his recent appointment. Mr. Lawton is a member of the Purchasing Management Association of Pittsburgh.

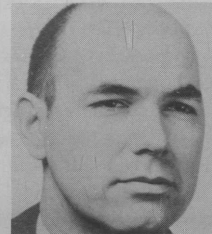
JOSEPH A. LERME (E) has been appointed manager—chemical and raw materials purchases at Celanese Corporation. He had been director—international of Celanese Chemical Company before his promotion. In his new position, Mr. Lerme is responsible for the corporation's purchases of chemicals and raw materials. He also provides short and long-range planning guidance in those commodity areas. He joined Celanese Chemical Company in 1960.

The Alumni Office has learned of the death of JOHN D. MACDONALD (E) on May 11, 1969. A resident of Mount Lebanon, Pa., Mr. MacDonald had been a design engineer with Koppers Company for 25 years.

Mathis '51



Minor '51



LEE E. MATHIS, JR. (E) has been elected president of Shop Materials Company, Bethel Park, Pa. The firm specializes in application engineering of electrical equipment and D. C. power supplies to industry.

Mr. and Mrs. FRANCIS J. MC WILLIAMS (E, and ELLA BAUM, M '51) are living in Medfield, Mass., where Mr. McWilliams is in the technical sales department of Union Carbide Corporation, and Mrs. McWilliams is a junior high school teacher.

CECIL J. MINOR (E) has been appointed manager—marketing of the General Electric Company's transportation propulsion department. In his new position, Mr. Minor has responsibility for marketing of the department's line of electric transmissions for off highway vehicles and industrial equipment that includes propulsion components and systems for rapid transit cars locomotive applications and drilling equipment. In 1967 he was named manager—process instrumentation sales for the instrument department, the position he held until his recent appointment.

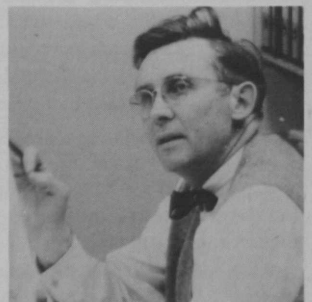
Mrs. John H. Kerstetter (MARION JULIA RUDD, M) is senior deputy probation officer for the Alameda County (Calif.) Probation Department. Mr. and Mrs. Kerstetter have two sons and live in Danville, Calif.

CHARLES E. TAYLOR, JR. (E) has been appointed manager of Duquesne Light Company's budget coordination department. An employee of the company for 18 years, Mr. Taylor had been director of the operating budget section, budget coordination department, prior to this appointment. Mr. Taylor, his wife and two children live in Baldwin, Pa.

R. J. ZIMMERMAN (E) is division manager of industrial engineering in the parts division of Sylvania Electronics in Warren, Pa. Mr. Zimmerman is also an instructor at the evening school of Jamestown Community College, and a past president of the New York-Penn chapter of the American Institute of Industrial Engineers.

After eight years of teaching at Ohio State University, PIERRE ZOELLY (A) opened an architectural office in Zurich, Switzerland, in 1961. From this office have come such buildings as the Swiss Expo railroad station, Ford Motor Company Distribution Center, and the National Football Hall of Fame. Mr. Zoelly was visiting Andrew Mellon professor in architecture at CMU in 1968-69.

Zoelly '51



'52

CALVIN D. BIESECKER (IM) has been promoted to the position of controller at Wallingford Steel Corporation, Wallingford, Conn., a subsidiary of Allegheny Ludlum Steel Corporation. Mr. and Mrs. Biesecker are now living in Hamden, Conn.

DONALD H. BOLAND (E) assumed a new position as quality control manager for Fiber Industries, Inc., last April. Mr. and Mrs. Boland and their five children are living at 309 Aberdare Lane, Greenville, S. C.

CLARKE T. COOPER, JR. (A), a partner in the architectural firm of Cooper and Auerbach, AIA, has just announced that his firm is expanding and will be continuing the practice of architecture and planning as Walton Madden, Cooper and Auerbach, AIA. The new firm will have offices in Washington, D. C., Maryland and Virginia. Mr. and Mrs. Cooper and their two sons live in Alexandria, Va., where Mr. Cooper is a member of the City of Alexandria Board of Architectural Review. He also serves as the commissioner for professional practice of the Washington-Metropolitan chapter of the AIA.

Cooper '52

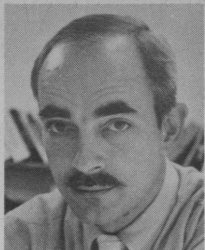


FRANK J. CVETIC (E) is a district manager for Scans-Optics, Inc. Mr. and Mrs. Cvetic live in Potomac, Md.

THOMAS S. D'AGOSTINO (E) has been transferred from the nuclear weapons testing division of the Atomic Energy Commission to the nuclear science education division, where he is chief of exhibits operation.

H. JUSTIN DAVIDSON (E), a partner in the executive office of the nationwide accounting and consulting firm of Touche, Ross, Bailey & Smart, has been named dean of the Graduate School of Business and Public Administration at Cornell University. Mr. Davidson was named professor of administration as well as dean for a five year term which began last August. Mr. and Mrs. Davidson (SHIRLEE PLOEGER, M'52) have four children.

Gassner '52



Lange '52



FRANCIS GASSNER (A), an architect in Memphis, Tenn., for the past 15 years, has been elected to the College of Fellows of the American Institute of Architects, a lifetime honor bestowed for outstanding contribution to the profession of architecture. A member of AIA for 13 years, Mr. Gassner has served on several AIA committees and is a past president and vice president of the Memphis chapter. A partner in the firm of Gassner/Nathan/Browne, Architect/Planners, Inc., Mr. Gassner's work has been devoted to institutional architecture and city planning.

CLARA E. GONTER (E) is laboratory supervisor for Cyrus Wm. Rice & Company, Pittsburgh, Pa. Miss Gonter serves as secretary to the division of water, air and waste of the American Chemical Society.

HANS W. LANGE (E), former vice president of manufacturing for American Machine & Foundry Company's Union Machinery division has been promoted to vice president and general manager of the division. Mr. Lange was employed by AMF in 1967 as assistant to the president and then manager of manufacturing. In 1968 he was elevated to manufacturing vice president and held this position until his present promotion.

Mr. and Mrs. DONALD L. LEATHERBERRY (E, and SARA J. KEMPTON, M'51) are residents of Arcadia, Calif. Mr. Leatherberry is manager of product reliability for the PCB division of ITE Imperial Corporation.

ROBERT C. MAXTON (E) is a plant metallurgist with Vasco, a Teledyne company in Monaca, Pa. Mr. and Mrs. Maxton live in Aliquippa, Pa., and have two children.

ROBERT C. NELSON (IA) has recently written a book *Logic-Level-Design*, copyrighted by the Management Center of Cambridge, Mass.

MATTHEW A. OPEKA (E) is operations manager for the Goddard Space Flight Center of NASA in Greenbelt, Md.

Dr. JOSEPH H. OXLEY (E) is manager of the development department of Battelle Development Corporation, Columbus, O. Dr. Oxley is a member of the CMAC.

CARL L. PETERSON (E) has been promoted to branch manager, instrument division, Perkin Elmer Corporation, for the New Jersey area. Mr. Peterson has moved to Middletown, N. J. from Rochester, N. Y.

RAY O. SKINNER (E) is professor of physics at the University of Saskatchewan, Canada. Dr. Skinner is the author of several textbooks on physics.

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 some new ones.

BOSTON

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

CHICAGO

First Monday of each month, 12 noon
Men's Grill, Carson's, S. State Street
(No Reservations Needed)
Pres. Joseph Fell
Secy. Joseph Galluzzo

CLEVELAND

Second Friday of each month, 12 noon
(Except August)
Cleveland Engineering Society
3100 Chester Avenue
(No Reservations Needed)
Pres. Lewis Sternberg
Secy. Diane Farrington

NEW YORK

Downtown—3rd Wednesday of each month
12:30 p.m., Miller's Woolworth Bldg.

233 Broadway

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 Dufnecz, Jr.
Secy. John C. Vassil
Clan Telephone, Barclay 7-9190

PITTSBURGH MEN'S

Every Monday, 12 noon
Pick-Roosevelt Hotel
(No Reservations Needed)
Pres. A. B. Vestal

WASHINGTON

Second Thursday of each month, 12 noon
Golden Ox Restaurant
1615 "L" Street, N.W.
(No Reservations Needed)
Pres. Clarence Weissenstein
Secy. Mrs. Leah Wolf, TA 9-2132

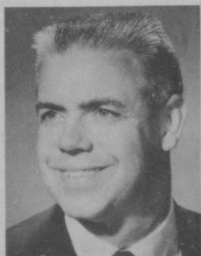
'53

THOMAS C. BAKER (PM) is owner and publisher of the *Waitsburg (Wash.) Times*.

Dr. WILLIAM R. BITLER (E), associate professor of metallurgy, has been named chairman of the metallurgy section, department of materials science, at The Pennsylvania State University. Dr. Bitler joined the Penn State faculty in 1962, after serving on the faculty of CMU. He is also technical consultant to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. His special research interest is in physical metallurgy and he is the author of a number of published papers.

S. L. COULING (E) has been named assistant director of Dow Chemical Company's metallurgical research laboratory with responsibility for most administrative duties there. Dr. Couling had been a division leader in charge of alloy and process development and molten metals research since 1968. He joined the company in the metallurgical laboratory in 1953 and was appointed leader of the wrought alloy development group in 1959. His major area of work has been in the

Fuellgraf '53



Bitler '53



plastic deformation of magnesium.

CHARLES L. FUELLGRAF, JR. (E), president of Fuellgraf Electric, an electrical contracting firm in Butler, Pa., has been elected a director of the Nationwide Insurance Companies, based in Columbus, O. Mr. Fuellgraf was also recently elected to the Young Presidents' Organization, an educational organization with an international membership of young chief executives who have become president of sizable companies before the age of 40.

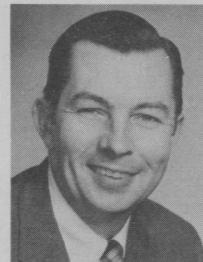
RICHARD HENRY GERRERO (A) received a Ph.D. in education from Michigan State University last June.

GEORGE F. GOOD (E) is industrial relations superintendent for the Kilauea Sugar Company in Kilauea, Hawaii.

GILMORE HARRIS (E) is a project engineer at LTV Aerospace Corporation, Dallas, Tex. Mrs. Harris is the former PATRICIA LIGGETT (M '52).

Dr. ROBERT M. HENDERSON (A) is head of the Library and Museum of the Performing Arts at Lincoln Center, New York, N. Y. Dr. Henderson has written, directed and edited three films and is presently completing a biography of David Wark Griffith for the Oxford University Press. He was formerly an associate professor of drama and director of theater at the American University, Washington, D. C.

Mr. and Mrs. GEORGE W. KENDERES (E, and CHARLOTTE VOLZ, M '53) and their three sons live in Carnegie, Pa. Mr. Kenderes is district plant manager for Columbia Gas of Pennsylvania, Inc.



Mahoney '53

Dr. THOMAS J. MAHONEY (E) has joined Polychrome Corporation as an assistant vice president. He will serve as liaison between the company's research and sales divisions for the development and marketing of new products. Dr. Mahoney was formerly with the Union Carbide Corporation as manager of marketing and sales planning of the materials for trade paint group. He had served in various capacities with that company for more than 15 years.

DUANE J. QUINTAL (A) was recently elected a member of the board of directors of the Philippine Marketing Association and also a member of the board of directors of the Philippine Institute of Packaging.

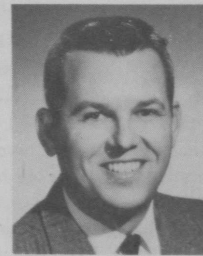
JOHN P. ULMER (A) is artistic director of Stage/West in Springfield, Mass.

'54

Mr. and Mrs. WILLIAM H. BECKER, JR. (PM, and PATRICIA GRAY, A'53) are residents of Holmdel, N. J. Mr. Becker is vice president of Wm. H. Becker, Inc.

JOSEPH F. DI MARIO (E) is manager of management services for Touche, Ross, Bailey & Smart, an international firm of certified public accountants. In the course of his responsibilities with the firm, Mr. DiMario has been involved with various business problems, including long-range planning, organization studies and feasibility studies for computer installations. His scope of activities has included manufacturing organizations, banks and various non-profit institutions.

Farris '54



THOMAS H. FARRIS (E) has been appointed to the newly-created position of national sales manager of the Bernard Company, Beecher, Ill., world's largest manufacturer of welding guns and accessories. A specialist for many years in welding equipment and processes, Mr. Farris during the past 15 years was responsible for sales, service and general promotions in the Chicago area for the Lincoln Electric Company prior to joining Bernard last March. Mr. and Mrs. Farris have three children.

E. JOHN FINN (E) has been appointed assistant general manager of the Lockport Felt division of the Carborundum Company at Newfane, N. Y. Mr. Finn was previously manager of manufacturing of the bonded abrasives division of Carborundum.

DONALD E. HENDRICKSON (E) has been promoted to Lieutenant Colonel in the U. S. Army and is presently attending the U. S. Army Command and General Staff College in Fort Leavenworth, Kan.

DONALD L. LILLY (E), specialist in magnetic data encoding and recognition for computer-based control systems, has joined Information Research Associates, Inc., Burlington, Mass. Mr. Lilly will explore applications of encoding to real time computer control of inventories, point of sale cashiering, ticketing, baggage handling, reservation management and order processing. Mr. Lilly had previously worked with Denison Manufacturing, Sylvania Electronic Systems, Inc., and IBM. He is a member of the IEEE and has written several papers on magnetic coding.

THOMAS C. MCDERMOTT (IA), vice president, quality and reliability at North American Rockwell Corporation's space division, has been elected chairman of the board of the American Society for Quality Control. Mr. McDermott, a fellow of ASQC, served as president of the society during the past year.



McNaugher '54

JOHN R. MC NAUGHER (E) has been appointed manager—market research and product planning of the Morgan Construction Company, Worcester, Mass. He joined the company in 1966 as chief electrical engineer—proposals, and was previously employed by the General Electric Company. Mr. McNaugher, his wife and four daughters live in Holden, Mass.

WILLIAM H. MINCK (E) was named supervising research metallurgist in the applied science section of Armco Steel Corporation's research and technology organization. Mr. Minck, who has been associated with Armco since 1954, will supervise the physical metallurgy staff.

JOHN P. RYAN (E) is a naval architect for the Department of the Navy in Hyattsville, Md. Mrs. Ryan is the former MARILYN SWEENEY (M'52). They live in Baltimore, Md.

CARL D. WILSON (E) has joined the valve engineering and research department of Rockwell Manufacturing Company as a design engineer. Mr. Wilson formerly served as a manufacturing engineer for Westinghouse Electric Corporation and as an engineer for the Continental division of the Fisher Governor Company.

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JOHN N. CERNICA (E), professor of civil engineering and chairman of the department, William Rayen School of Engineering, Youngstown State University, has recently been notified that two of his textbooks are being reprinted for international distribution. His *Strength of Materials*, originally published in 1966 by Holt, Rinehart and Winston, has been reprinted in Spanish and is being distributed throughout South and Central America as well as in the United States. Dr. Cernica's second text, *Fundamentals of Reinforced Concrete*, originally published in 1964, is now being distributed in Asia, Africa, the Near and Middle East and Europe. The Cernicas and their five daughters live in Boardman, O.

Major JOHN M. DANIELS, JR. (PM) of the U. S. Army Corps of Engineers recently received the Army Commendation Medal "for exceptionally meritorious conduct in the performance of outstanding service," while assigned to the Office of the Chief of Engineers, Saigon, Vietnam. Mrs. Daniels (JEAN WALKER, M'56) and the four Daniels children are living in Springfield, Va.

Mr. and Mrs. F. BURTON DOERFLER (E, and THERESA PEPINE, M'55) and their three children are living in Fairview, Pa. Mr. Doerfler is manager of engineering for the plants and systems division of Eriez Magnetics.

JOHN C. HETZLER, JR. (E) received an M. E. E. from the Catholic University of America in June, 1969. Mr. Hetzler lives in Laurel, Md.

SAMUEL D. HITCHINGS (E) is marketing manager for IBM in Cincinnati, O. Mrs. Hitchings is the former MARY DAVEY (M'57).

WEBSTER E. HOWARD, JR. (E), a research staff member at IBM in Yorktown Heights, N. Y., reports that his work with IBM has been mostly basic research in semi-conducting. Dr. and Mrs. Howard have five children.

LOUIS LAZZARI (E) has been named plant metallurgist at the Allenport, Pa., works of Wheeling-Pittsburgh Steel Corporation. Mr. Lazzari has been with the firm since 1954, and had served as assistant plant manager of the Allenport works since 1964. He is also an instructor at Wheeling-Pittsburgh Steel's Technical Training Institute.

PETER LYKOS (E) is professor of chemistry and director of the computation center at Illinois Institute of Technology. Dr. Lykos serves as chairman of the computers and chemistry committee of the National Research Council, and chaired the section on computers and chemistry at the Great Lakes regional meeting last June.

HARRY V. MAKAR (E) is a metallurgist for the U. S. Bureau of Mines, College Park, Md., presently engaged in secondary materials recycling research. Mr. and Mrs. Makar have three children.

Mrs. Charles Hull, Jr. (PATRICIA NAUGLE, M) is a home economics teacher at the Orchard Hill Junior High School in North Haven, Conn. She has also taught dressmaking and tailoring at the Meriden, Conn., YWCA for several years.

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Dr. ZAHOOR M. ALVI (E) is a radiation medical physicist for the Kaiser Foundation Hospital, Los Angeles, Calif.

ROBERT L. BAIERBACH (E) has accepted a new position at Jones & Laughlin Steel Corporation's newest plant at Hennepin, Ill., as electronics and control system engineer in the maintenance department. Mr. and Mrs. Baierbach are now living in Princeton, Ill.

WILLIAM E. BORZA (E) is head of MBT systems test of the AC electronics division of General Motors Corporation. He reports that he is presently in charge of the development and evaluation testing of an advanced fire control system.

JOHN M. DAUGHERTY, JR. (E) has returned from one year in Vietnam as assistant division engineer for the Fourth U. S. Infantry Division in the Central Highlands. Mrs. Daugherty is the former ANNE SCHIETINGER (M'56).

EDWARD D. DUDA (IA) is manager of engineering and manufacturing for Dietzco Corporation. Mr. and Mrs. Duda live in Yardley, Pa.

DR. EDWARD T. KIRKPATRICK (E) is dean of the College of Applied Science at Rochester Institute of Technology. The college has recently moved into a new \$3¼ million building on RIT's new campus.

JAMES I. MC EWEN (E) is southeast district manager for Digital Equipment Corporation in Huntsville, Ala. Mrs. McEwen is the former LINDA RUSHTON (M'56).

LEROY G. MILLER (A) is an associate producer for Maryco Products, Inc., Los Angeles, Calif. He served as associate producer of "Jimmy Durante Presents the Lennon Sisters," an ABC-TV special aired last fall.

THOMAS D. MOCK (E) has been named director of operations for Learning Group, Inc., a new educational research firm operating in the Washington, D. C. area. Mr. Mock, a founder of the firm, previously served as field office engineering manager for the Systems Effectiveness Laboratory of Technical Operations, Inc.

JAMES I. MURRAY (IM), assistant general manager of Rockwell Manufacturing Company's valve manufacturing plant in Sulphur Springs, Tex., has been promoted to the post of general manager of the plant. Mr. Murray has been with Rockwell since 1956.

Dr. DUANE H. PARKER (E) has accepted a new position as senior chemist for the Carlisle Chemical Works, Inc., of Cincinnati, O. Dr. Parker was formerly associated with the Union Carbide Corporation in South Charleston, W. Va.

Redding '56



JOSEPH H. REDDING (E) has been appointed manager of the newly-formed planning department in Dravo Corporation's engineering works division. Mr. Redding previously served as vice president of the management systems division at H. B. Maynard and Company, Inc. The engineering works division designs and markets a wide variety of materials handling, steelmaking, marine and other equipment. The new department will direct the division's long-range planning and development program, define goals and objectives and prepare studies to assess the division's functions and advise management.

J. HOWARD SNOKE (E) has been named director of public relations of Universal American Corporation, a Gulf & Western Company. Mr. Snoke will be responsible for Universal American's public relations activities. Prior to joining the firm, Mr. Snoke was an account executive with Burson-Marsteller. Mr. and Mrs. Snoke and their two children live in Asbury, N. J.

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Dr. RICHARD T. AIKEN (E) is presently working at Bell Telephone Laboratories, Holmdel, N. J. He and his wife (ELEANOR HAASE, A'61) and their two children are residing at 64 Allenwood Road, Colt's Neck, N. J., where Dr. Aiken is a member of the CMAC. The Aikens would like to hear from friends in the area.

CYRIL J. ASSAD (A) has been elected vice president in charge of design at Calculator-Computer Leasing Corporation's Flannery design division. Mr. Assad has been with the corporation since 1957.

"In Memoriam: John F. Kennedy," an orchestral composition by ROBERT BERNAT (A) has recently been recorded by conductor Jorge Mester and the Louisville Orchestra. The composition, which was nominated for the 1967 Pulitzer Prize in Music, was first presented by the Pittsburgh Symphony Orchestra under the direction of Henry Mazer on November 25, 1966. Mr. Bernat has been a member of the department of music and music education faculty at Indiana University of Pennsylvania for the past seven years.

HARRY W. DOUKAKIS (E) received an M.B.A. from the University of Delaware on June 8, 1969.

DERMOTT A. BREAU (E) has resigned as staff analyst in the Harvard Computing Center to accept a position as senior analyst with Cyber, Inc., in Cambridge, Mass. Mr. and Mrs. Breault and their seven children live at 11 Rhinecliff Street, Arlington, Mass.

Dr. UNDERWOOD DUDLEY (E) has been promoted from assistant professor to associate professor of mathematics at Depauw University, Greencastle, Ind.

BYRNE HENINGER (PM) has recently joined the Strathmore Company as director of planning and development. He will plan and evaluate new developments from the technical, marketing and investment viewpoints.

RICHARD M. HORTON (A) has joined the Pittsburgh office of Batten, Barton, Durstine & Osborn as head art director.

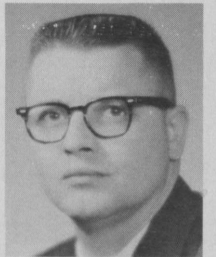
JOHN H. ITTEL (E) is co-author of a chapter entitled "Steel for Reinforcement and Prestressing" in a book recently published by McGraw-Hill Book Company. The book, *Concrete Construction Handbook*, is an authoritative guide for engineers, architects, contractors and others interested in concrete construction. Mr. Ittel is a research engineer for Ceco Steel Company.

Mr. and Mrs. JOHN D. JACK, JR. (A, and EMMA AFFINITO, M'56) are living in Bethel Park, Pa. Mr. Jack is a member of the national trade show department of Westinghouse Electric Corporation.

Lieutenant Commander GORDON W. MARGERUM (E), head of the launcher branch of the Naval Air Systems Command, Washington, D. C., reports that he will attend Naval Postgraduate School in Monterey, Calif., in the aeronautical engineering program this fall. Mr. and Mrs. Margerum have three children.

WILLIAM H. MOWRY, JR. (PM) was recently appointed manager, machine development, in research and engineering at Burroughs Corporation, business forms and supplies group. Mr. Mowry joined Burroughs as a project engineer in 1958 and most recently served as chief engineer in the research and engineering department. Business forms and supplies group, the forms and systems arm of Burroughs, manufactures checks, accounting forms and systems, check protecting and controlled signature machines, and equipment for the MICR-encoding of checks and other financial documents.

Swindell '57



CHARLES W. SWINDELL (PM) has been appointed assistant secretary in the office administration department at The Travelers Insurance Company in Hartford, Conn. Mr. Swindell joined the company in 1962 in the printing division and was named superintendent of production in 1966. Mr. Swindell, his wife and two children reside in West Hartford, Conn.

Births

Paul David born to Mr. and Mrs. N. Lynn Adams (E'62)
Jeanne born to Dr. and Mrs. Robert T. Anselmi (E'60)
Deborah Ann born to Mr. and Mrs. Kerry J. Aquadro (E'57)

Kiyeseni Anu born to Mr. and Mrs. James Brown, Jr. (Bernice Brown, A'57)

Kevin Ralph born to Mr. and Mrs. Ralph Coffin (E'57)
Joseph Patrick born to Mr. and Mrs. Joseph B. Freiland (E'61)

Kellianna born to Mr. and Mrs. Joseph J. Gallippi (E'60)
David John born to Mr. and Mrs. John M. Laskey (E'54, and Patricia J. Pisarcik, M'58)

Kyle born to Mr. and Mrs. Robert MacDonald (E'54)
Timothy Aaron born to Mr. and Mrs. Terry L. McClellan (E'67, and Marilyn Carlson, M'67)

William S. III born to Mr. and Mrs. William S. McLay, Jr. (E'62)

Stephen Matthew born to Mr. and Mrs. David Mintz (A'55)

Daniel James born to Mr. and Mrs. Geoffrey J. Purkis (IA'67)

Kelley Ann born to Mr. and Mrs. Robert C. Quain (PM'62, and Nancy Buchter, M'65)

Paul David born to Mr. and Mrs. Bernard J. Roman (E'62, and Lynn Pasternak, M'64)

David Aaron born to Mr. and Mrs. Howard Y. Schindler (A'57)

Jill Karen born to Dr. and Mrs. Lyndell Schwartz (Suzanne Kling, M'61)

Stacey Anne born to Mr. and Mrs. Paul D. Sullivan (PM'62)

Julie Elizabeth born to Mr. and Mrs. Charles M. Tea (A'61)

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ROBERT WALLACE GEORGE (IM) recently received an M.E. from The Pennsylvania State University. Mr. George, his wife and two children live in Palmyra, Pa.

Major JAMES E. KOMER (E), U. S. Army, is presently assigned to the Joint United States Military Assistance Group to the Republic of the Philippines. As the airborne and technical services field advisor, Operations and Training Branch, Army/Constabulary Division, Major Komer is working directly with both Philippine Army and Philippine Constabulary Home Defense Forces Groups, which are Special Forces type units. Major Komer initially was assigned to Special Forces Units in 1963 after a tour at the U. S. Army Engineer Research and Development Laboratories, Ft. Belvoir, Va., and has served in Vietnam and Senegal, Africa.

MELVIN MISTER (PM) has been named director of the Re-development Land Agency for Washington, D. C. Mr. Mister was director of the agency's Northwest One project from 1966-1968 and is credited with introducing new methods to meet the area's social as well as physical needs. He was a social development program officer for the Ford Foundation since leaving his previous RLA post.

RAYMOND MUNGIU (E) & Associates, Inc., consulting engineers, recently announced the opening of an electrical/mechanical engineering office in Philadelphia, Pa.

ROBERT J. A. PRATT (E) is a member of the faculty of the University of Pittsburgh's Graduate School of Business and editor of the *Pittsburgh Business Review*. Mr. and Mrs. Pratt have three daughters.

JOHN K. RUSSELL (E) is assistant dean of engineering at Washington University, St. Louis, Mo.

Dr. GEORGE K. SCHENCK (IA) is an assistant professor of mineral economics, College of Earth and Mineral Sciences, at The Pennsylvania State University.

CLARENCE A. SCHMIDT (IA) was recently appointed controller of Litton Industries' newly formed machine tool group in Washington, D. C.

JOHN D. TUCCI (E) has been promoted to supervisor of inspection of Copperweld Steel Company's wire and cable division plant at Glassport, Pa. Prior to his new assignment, he was a metallurgist in Copperweld's research and development department. Mr. Tucci joined Copperweld in 1963.

JOEL D. VILE (PM) is executive vice president of Vile-Goller/Fine Arts Printing and Lithography Company, Kansas City, Kan. The Viles have four children.

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DALE M. BAUGHER (E) of Flemington, N. J., received an M.S. from Rutgers University on June 4, 1969.

JAY E. BRANT (E), on leave of absence from the Ford Motor Company, is attending Wayne State University Law School. Mr. Brant reports that he anticipates graduation in the spring of 1971.

JAMES DE BLASIS (A), chairman of the drama department of Onondaga Community College, Syracuse, N. Y., has been actively engaged with the Syracuse Symphony's opera productions. Mr. deBlasis most recently directed "La Traviata," the eleventh symphony production which he has directed. DEAN BROWN (A'63) drama instructor at Onondaga, has designed sets and costumes for symphony productions for the past four seasons.

WARREN G. DOTY (A) reports that he will soon announce the formation of a partnership to practice architecture in Madison, N. J. Mr. Doty has been employed by Kennilworth Associates in New York, N. Y.

Dravo Corporation has appointed R. B. ENGLEMAN (E) as chief development engineer at its Australian subsidiary, Dravo Pty. Ltd. He will be headquartered in the firm's Sydney office. Mr. Engleman joined Dravo in 1963, was formerly a senior development engineer in the company's engineering construction division.

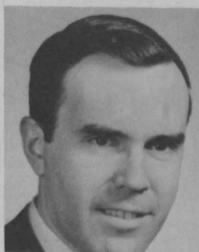
Dr. FREDERICK J. FRAKIER (E) has been promoted to research manager of the physical metallurgy group at the Rocky Flats division of Dow Chemical Company. His wife, the former ARLENE LOGIOCO (M'62) is a graduate student at Colorado University in the department of anthropology.

The National Research Council, Washington, D. C., has announced that EDWARD N. GLASS (E) has been awarded a resident research associateship at the Aerospace Research Laboratories, Wright-Patterson Air Force Base, Ohio. He will work in the general physics laboratory with Dr. S. I. Fickler. The purpose of the National Research Council resident research associateships is to provide recent recipients of the doctorate an opportunity for advanced training and basic research in the various branches of science and in engineering. The awardees are selected annually on a competitive basis by panels of scientists and engineers appointed by NRC.

Mr. and Mrs. DAVID F. KAGEN (E) and their two children have moved to a new home in Potomac, Md. Mr. Kagen is a senior mechanical engineer with the Rabinon division of Control Data Corporation.

Dr. ERIC V. OTTERVIK (E), former assistant to the provost at Lehigh University, has been promoted to vice provost. From 1966 until last February, Dr. Ottervik was assistant to the vice president for research. He is also an assistant professor of English. He has just completed a year of internship as one of 32 from throughout the nation chosen as fellows to participate in the 1968-1969 Academic Administration Internship Program of the American Council on Education.

Ottervik '59



Roberts '59



CHARLES S. ROBERTS (E) of Scotch Plains, N. J., has been promoted to head of the computing technology department at Bell Telephone Laboratories, Murray Hill, N. J. In his new post, Dr. Roberts will be responsible for the technical support and management of the Murray Hill Computer Center, the central computing facility for most of the scientists and engineers at Murray Hill. Before assuming his new position he was supervisor of the Operating Systems Group in the computer systems research department.

JOHN B. ROOSE (E) has been appointed assistant director for policy of the Federal Water Resources Council. Mr. Roose has been employed by the Bureau of the Budget for the past six years. For the past three years Mr. Roose has been a principal budget examiner with primary responsibility within the bureau for coordinating, formulating and administering policy, program and budget aspects of the civil functions of the Army Corps of Engineers.

'60

L. BARTON ALEXANDER (E) has returned from Karlsruhe, Germany, to accept an appointment as director of management systems for URS Systems Corporation, Palo Alto, Calif. Mrs. Alexander is the former CAROLE FULTON (M'63).

KENNETH N. BERK (E) has joined the faculty of Illinois State University as an associate professor in the department of mathematics. Dr. Berk formerly served at Northeastern Illinois State College and Northwestern University.

RONALD J. BOSTAK (E) has been cited by the U. S. Army for the second time in less than a year for his proficiency as an author of technical articles. The U. S. Army Mobility Equipment Research and Development Center, Fort Belvoir, Va., awarded Mr. Bostak with a Department of the Army certificate and a cash award as co-author of a technical paper, "On Electromagnetic Pulse Simulation and Heat Correlation," presented at a Department of Defense technical conference on electromagnetic effects. The paper will be published by Defense Atomic Support Agency as part of the proceedings of the conference. Mr. Bostak served in the Army from 1961-1963, including service at the R&D Center, where he accepted a civilian position after his release from military duty. He is presently employed in the Electromagnetic Effects Laboratory, which is concerned with the electromagnetic pulse effects resulting from nuclear explosions and methods of protecting equipment from such effects. He resides with his wife and two sons in Alexandria, Va.

JOHN BRUGOS (IM) has recently been appointed salary administrator, Toronto, for The International Nickel Company of Canada, Ltd. Prior to joining International Nickel, Mr. Brugos was personnel officer for the Ontario Department of Economics and Development. Mr. and Mrs. Brugos now have three daughters and are living at 46 Candlewood Crescent, Downsview, Ontario.

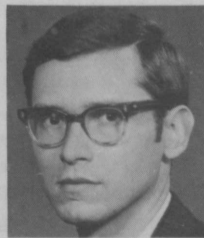
DONALD J. BURNS (E) was promoted to services supervisor—service and results, for the western area of Belle Telephone Company of Pennsylvania last December. Mr. and Mrs. Burns live in Glenshaw, Pa.

R. EDWARD BYERLY, JR. (A) has accepted a position as administrative assistant to the superintendent of the electrical maintenance division of Acme Markets, Philadelphia, Pa.

JOHN ELLIOTT (E) and DONALD CASEY (IM'59) are the new owners of Pittsburgh Wholesale Distributors, a 22 year old toy wholesaling business. The firm's new warehouse and showroom facilities have attracted national attention because of its innovative display areas and computerized inventory and ordering systems.

E. C. FREDERICKSON (IM) is presently serving as director of planning for *The Philadelphia Inquirer*. Mr. Frederickson has recently moved to Westchester, Pa.

Gibala '60



Dr. RONALD GIBALA (E), associate professor of metallurgy at Case Western Reserve University, has been named recipient of the 1969 Alfred Noble Prize of the American Society of Civil Engineers. The award is given annually to a member, under 31 years of age, of ASCE, AIME, ASME, IEEE or WSE for a technical paper of exceptional merit published in one of the societies' journals. Dr. Gibala has received the award for his paper "Internal Friction in Hydrogen-Charged Iron," published in the *Transactions of the Metallurgical Society of AIME* in October, 1967.

ROBERT A. IRVIN (E) has been appointed system operation engineer by the Duquesne Light Company, Pittsburgh, Pa. Mr. Irvin joined the company in 1960 and was formerly operating practices engineer.

JOSEPH L. PELLIS (A), partner in the firm of Pellis & Lettrich, AIA, is a resident of Greensburg, Pa. Mr. and Mrs. Pellis have two sons.

W. JAMES ROLLER (IA) has been appointed vice president with the controller's department of Security Pacific National Bank, Los Angeles, Calif. He will be in charge of the department's management reports profit plans and costs division. Mr. Roller, a former assistant vice president, joined Security Pacific Bank as a systems analyst nine years ago, when he moved to California from Pittsburgh. Mr. and Mrs. Roller and their three sons live in Garden Grove, Calif.

Mr. and Mrs. DWIGHT L. SONTUM (E) and their two children are living in the South Hills near Pittsburgh, where Mr. Sontum is an instrument engineer for the Blaw-Knox Company.

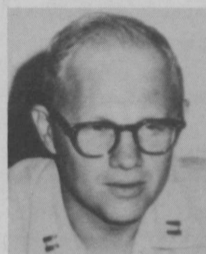
KENNETH L. WASSAM (E) has been named acting chairman of the department of mathematics and sciences at the Community College of Beaver, Pa.

ANDREW WHINSTON (IA) is a professor of economics at the Krannert Graduate School of Industrial Administration of Purdue University, Lafayette, Ind. Dr. Whinston is presently leading a program designed to apply computer programming to economic and management problems.

'61

STEPHEN BOHAC (IM) has been promoted to systems assurance representative for IBM in Princeton, N. J. Mr. and Mrs. Bohac are now living in East Windsor, N. J.

DAVID W. CONNELL (PM) of Gibsonia, Pa., has been promoted to commercial sales coordinator of Peoples Natural Gas Company. In his new position, he will be responsible for assisting the commercial sales manager in the planning and execution of commercial sales activities. Previously Mr. Connell worked several years as the gas utility's residential sales coordinator.



Czahor '61

Captain RAYMOND E. CZAHOR (IM) is a member of an Air Force communications service unit in Vietnam that has earned the Air Force Outstanding Unit Award for the fourth consecutive year. Capt. Czahor is a communications officer with the 1876th Communications Squadron at Tan Son Nhut Air Base that was cited for outstanding proficiency in providing direct communications, navigational aids and air traffic control in the combat zone. He entered the Air Force in 1962 and was commissioned upon completion of Officer Training School at Lackland Air Force Base, Tex.

JOHN E. DELANEY (E) received a M.C.E. from the University of Delaware on June 8, 1969.

Dr. S. JOHN DUDZINSKY (E) has just returned from an assignment in Vietnam with the Rand Corporation. He will resume his normal duties in Santa Monica, Calif., where he is active in the CMAC.

HAROLD R. EVANS (PM) has been promoted to manager of marketing administration for Compugraphic Corporation of Wilmington, Mass. He served previously as director of market research. Compugraphic, founded in 1960, is the innovator of computer typesetting equipment.

JOSEPH B. FRIELAND (E) has joined National Carbide Die Company, a division of Aiken Industries, after receiving his M.B.A. from the Harvard School of Business in June. Mr. and Mrs. Frieland and their new son are living in Irwin, Pa.

MICHAEL A. GEORGEIS (E) is production supervisor for the 3M Company in Cleveland, O. Mr. and Mrs. Georgeis live in Richmond Heights, O.

STEPHEN S. T. KAO (IA) has worked as a senior engineer for the Modine Manufacturing Company, Racine, Wis., since 1968. Mr. Kao reports that his son is entering Michigan State University this fall.

LANCE W. LEWIS (E) received his M.S. from the University of Akron on June 15, 1969.

LANN A. MALESKY (E), a city planner for Charlotte-Mecklenburg (N. C.) Planning Commission, reports that he is presently finishing work on a physical plan for Charlotte's 1,560 acre model neighborhood.

Dr. WILLIAM H. MAPES (E) has been released from active duty by the U. S. Army and is now employed as a chemist by the General Electric Company in Louisville, Ky.

Mr. and Mrs. CHARLES T. MC BURNEY (E, and DIANE LANGE, A'59) and their two children are residents of McMurray, Pa. Mr. McBurney is a plant engineer for Jessop Steel Company.

Rieke '61



Dravo Corporation has announced the appointment of EDWARD J. RIEKE (E) as an assistant purchasing agent. Mr. Rieke joined Dravo in 1965 and most recently served as a purchasing engineer.

The Alumni Office has learned of the death of Dr. HOWARD L. SCHNEIDER. Mr. Schneider, a resident of Rumson, N. J., was an engineer for the Bell Telephone Laboratories.

Mr. and Mrs. THOMAS W. SUMMERVILLE (E) have recently moved into a new home in San Diego, Calif. Mr. Summerville is a senior electronics engineer for Stromberg Datagraphix.

Mrs. Mario Belluomini (KATHLEEN MURPHY, M) received a \$1000 Profit Improvement Program Award from the Joseph Horne Company last April. Mrs. Belluomini is buyer of budget daytime dresses, robes and uniforms at the Pittsburgh department store.

EMIL J. POSAVAC (E) has received his Ph.D. in psychology from the University of Illinois and is now an assistant professor of psychology at Loyola University, Chicago.

JOHN E. MEYER (E) has been named a fellow of the American Nuclear Society. This high token of professional esteem and recognition is reserved for acknowledged attainment in the nuclear field by notable original research or invention; by technical leadership of substantial scope; or by outstanding leadership as a teacher. Dr. Meyer has received recognition of his valuable contributions to the development of analytical methods and their application to design over a broad range of reactor types. He is an advisory engineer in fuel element development at Westinghouse Electric Corporation, Bettis Atomic Power Laboratory, West Mifflin, Pa., and has served on the Nuclear Science and Engineering Advisory Committee of the Pittsburgh section of the society.

'62 Dr. and Mrs. MARSHALL D. ABRAMS (E) and their daughter have recently moved into a new home at 2906 Covington Road, Silver Spring, Md. Dr. Marshall Abrams is an assistant professor of electrical engineering at the University of Maryland, and Dr. Rochelle Abrams is a senior research scientist at the National Biomedical Research Foundation.

N. LYNN ADAMS (E) is teaching in the physics department at the North Side Campus of the Community College of Allegheny County, Pa. He recently received an M.Ed. in physics at Indiana University of Pennsylvania.

GARY T. ADAMS (IM) has joined the Whittaker Company in Los Angeles, Calif., where he is engaged in systems development work.

JAMES B. CLAPP (IA) has just moved to Austin, Tex., where he is manager of planning at Computer Utilization, Inc. Mr. Clapp was formerly with Phillips Petroleum Company in Bartlesville, Okla.

EDWARD BIRGER CORELL (E) has completed requirements for his Ph.D. in mechanical engineering at the University of Michigan. Dr. Corell is a project engineer for Digital Equipment Corporation, Maynard, Mass.

BEVERLY BABCOCK DEERHAKE (M) is co-author of an article "Immunofluorescence Assay for Antigen and Antibody in Lactic Dehydrogenase Virus Infection of Mice," which appeared in the February, 1969, issue of *The Journal of Immunology*. She is presently employed in developmental therapeutics and clinical testing of experimental antibiotics for secondary infections of acute leukemia patients at the M. D. Anderson Hospital and Tumor Institute, Texas Medical Center, Houston.

JOHN A. DIMLING, JR. (IA) accepted a new position as vice president for research for the National Association of Broadcasters last July. Mr. Dimling was formerly manager of the communications and systems division of Spindletop Research, Lexington, Ky. where he directed research and planning studies in communications.

Mrs. Thomas Mercer (DELTA "BECKY" KRAUSS, E) reports that she is now living in Monterey, Calif., where her husband, a Navy jet pilot, is working on an M.S. in aeronautical engineering at the U. S. Naval Postgraduate School. She has been auditing some courses in the computer sciences curriculum at the Navy school and has written several articles for the officers' wives' magazine *Classmate*. She writes, "my main occupation these days is homemaker with two sons, Tommy and Bill.

MURRAY P. NADITCH (IM), a student in the Ph.D. program in psychology at the University of Chicago, will soon publish an article in *Psychiatry* on racial unrest and political militancy. He has received the New Artist Recognition Award of the Municipal Art League of Chicago. His wife, Sheri, has been promoted to director for social development in the department of development and planning of the City of Chicago.



Peck '62

DAVID F. PECK (E) has been named senior development engineer in the water and waste treatment department of Dravo Corporation, Pittsburgh. Mr. Peck will be responsible for conceptual design and development work in all areas of sanitary engineering. The department offers a complete systems approach to industrial water and waste treatment problems.

MATTHIAS E. SIMON, JR. (IA) was recently promoted to vice president and general manager of World Book Educational Insurance Company.

Stuart Howard (STUART H. WARSHAWSKY, A) appeared as Motel in the Los Angeles Civic Light Opera's production of "Fiddler on the Roof" last spring.

ANTHONY J. VENETT (L), senior assistant librarian in charge of the *PennTap* Library Information System at Pennsylvania State University, appeared as a guest speaker at the Special Libraries Conference of the Special Libraries Association last April.

'63 PHILIP C. DOYLE, JR. (E) reports that he is presently managing the facilities development program of Air America, Inc., in the Republic of Vietnam.

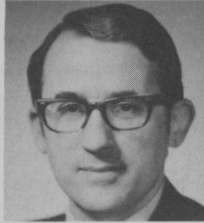
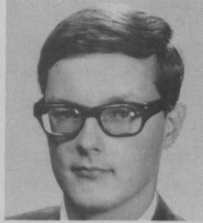
CYRUS F. FREIDHEIM (IA) has been elected a vice president of Booz, Allen & Hamilton, Inc. Prior to joining the firm's Chicago office, Mr. Freidheim was a financial analyst for the Ford Motor Company.

WILLIAM BENJAMIN GARDNER (E) received an M.B.A. from Saint Louis University on May 31, 1969.

FRED C. MAYHEW (A) has been named a design manager at Ford Motor Company's Dearborn (Mich.) Design Center. Mr. Mayhew came to the Ford Design Center in 1963, and has worked in most of the Ford and Lincoln-Mercury exterior design studios, in the interior design and former corporate projects and international design offices. He was also on special assignment for one year at the Ford of Britain Design Center in Basildon, England.

Mayhew '63

Friedheim '63



JOHN F. PEREZ-CANTO (A), of Caracas, Venezuela, is an architect for Corporacion Venezolana de Guyana, a partner in the firm Estudios y Promociones C.A., and part owner of Cinema Uno. Mr. and Mrs. Perez-Canto have two children.

MICHAEL PIERCE (E) has been named controller of Chase metals service division, Chase Brass & Copper Company. In his new position, Mr. Pierce will be responsible for planning, accounting, systems and forecasting functions. Prior to joining Chase Metals, he spent four and one-half years with Westinghouse Electric Corporation in various financial capacities. Mr. and Mrs. Pierce and their son reside in Lyndhurst, O.

Mr. and Mrs. JAMES R. SHARKEY (E, and L. JANE SCOTT, E) are residents of Chester, N. J. Mr. Sharkey is a consultant for computer applications at R. Shriver and Associates, and Mrs. Sharkey begins graduate studies in biochemistry at Rutgers University this fall.

Mr. and Mrs. ANDREW J. STEFANI, JR. (A) have moved to Pittsburgh, where Mr. Stefani has accepted a position as art director of Carlton Advertising, Inc.

Formation of a new consulting service to assist management in areas of information and decision systems, operations research and computer science has been announced by Dr. THEODORE A. VAN WORMER (IA) and RICHARD B. TOMLINSON (IA' 60). Dr. Van Wormer will serve as managing partner of Tomlinson, Van Wormer & Associates, the new firm, while Mr. Tomlinson will remain as president of The CiMS Group, Inc., the new firm's parent organization.

BARBARA VOLAS (A) presented a one-man art exhibit of prints and drawings in the Cullen Art Gallery of Western College for Women, Oxford, O., last spring. Miss Volas is an instructor in art at the college.

Mrs. William Pickard (KAY WINCE, M) received a \$750 Profit Improvement Program Award from the Joseph Horne Company last April. Mrs. Pickard has recently received a promotion to the position of buyer for the fashion jewelry department of the Pittsburgh department store.

'64 DONALD E. DE MART (E) recently accepted a new position as a civil engineer with Law Engineering Testing Company, Charlotte, N. C.

Dr. JEROME A. FELDMAN (E) has been promoted to associate professor of computer science at Stanford University. He is also active in local radical politics and has been elected to the Academic Senate.

JOHN W. HEIERMAN (E) is presently a deputy program manager for advanced composite materials within the product development department of Grumman Aircraft Engineering Corporation, Bethpage, N. Y.

NORMAN BLINNE HEUBECK (E) received his M.S. from Rensselaer Polytechnic Institute last June.

Mr. and Mrs. ROGER G. HIGGINS (E, and JUDITH GIRARD, M'64) and their daughter have moved to North Canton, O. Mr. Higgins is a consulting engineer for Ohlin & Higgins in Akron.

RONALD E. KING (E) is a student at the Methodist Theological School in Delaware, O. He reports that he has one year to go before graduation, when he will return to Western Pennsylvania as a United Methodist minister.

JOHN E. KUDER (E) was named planning engineer at Duquesne University, Pittsburgh, last March.

NATHAN S. LEBLANG (A) has been appointed principal architect for the City of Baltimore and is presently involved in setting up computer systems for cities. Mrs. Leblang, the former MARGERY PACKARD (A'66), is a designer at Lionhill Studio.

CYNTHIA L. PON (E) received her Ph.D. from Rutgers University on June 4, 1969.

Dr. and Mrs. L. WINSTON RING (IA, and ALICE KEE, M'62) are presently living in Cape Town, South Africa, where Dr. Ring is a visiting professor at the Graduate School of Business at the University of Cape Town.

JAMES SHELNE (E) has been named operations research coordinator in the information systems and service department at the Pittsburgh headquarters of Rockwell Manufacturing Company. Mr. Shelne has been on educational leave from the company to obtain his master's degree in industrial administration from CMU.

- President J. Howard Joynt, E'25
- President Elect William J. Moore, E'35
- Alumna Vice President . . . Mrs. S. L. Woolley, M'32
- Regional Vice President: (I) Derek Martin, A'44
- (I-A) Albert C. Redding, E'31
- (II) Frederick K. Lacher, E'43
- (III) John E. Laynor, E'54
- (IV) Roger E. Beal, E'44
- (V) John H. Davis, Jr., PM'34
- (VI) Mrs. Joseph P. Luther, M'42
- Ex Officio William A. Conwell, E'29
- Recording Secretary . Mrs. Edward W. Demmler, M'44
- Alumna Fund Chairman . . . Theodore A. Burtis, E'42
- Carnegie-Mellon Admissions Council
- Representative Edward D. Harvey, E'39
- Athletic Council
- Representative Virgil D. Cantini, A'46
- Homecoming Chairman C. Berl Groomes, E'49
- Tour Committee Chairman . . Alfred S. Andrews, I'26
- Student Representative Ronald Haan
- Director, Alumni Relations . . . Robert G. McCurdy
- Associate Director Wanda Garver
- Associate Director R. Keith Fogle
- Recorder Mrs. Kathy Varela

'65 Army First Lieutenant ERNEST J. BASTIAN, JR. (E) was assigned June 3 to the Field Command Nuclear Training Directorate at Sandia Base, N. M., as a radiological safety operations officer.

DWIGHT B. CRANE (IA) has resigned his position as director of operations research of Mellon National Bank, Pittsburgh, to become a member of the Harvard University Business School faculty. Dr. and Mrs. Crane (LORETTA FORD, M'64) and their two children are living in Lexington, Mass.

Mr. and Mrs. DAVID J. D'APPOLONIA (E, and EILEEN JEAN MAUCLAIR, M'65) and their daughter are residents of Watertown, Mass. Mr. D'Appolonia is an assistant professor of civil engineering at Massachusetts Institute of Technology and also works as a consultant.

Bastian '65



EDUARDO C. ESCALLON (E), a field engineer for Chrysler Corporation's space division, is presently on loan from Chrysler working as a test engineer on McDonnell Douglas' Dragon missile.

PAUL S. GRITT (E) has completed two years' service with the U. S. Army, one year of which was spent in Vietnam. Mr. Gritt is now a project engineer for the Chrysler Corporation in Highland Park, Mich.

RICKI LOU HAMMERMAN (A) is an art therapist in the Child Psychiatry Clinic of St. Christopher's Hospital for Children in Philadelphia, Pa. She is also teaching a course in art therapy given by the Tyler Art School of Temple University.

JOHN H. KAVELIN (A), a graduate student at Brandeis University, spent last summer as resident set designer at the Sharon Playhouse, Sharon, Conn.

ANDREW P. LIPPAY (IA), a captain in the U. S. Army, completed an ordnance officers advanced course at the U. S. Army Ordnance Center and School, Aberdeen Proving Ground, Md., on June 26. During the nine-month course he received instruction in all areas of Army ordnance and was trained in supply and maintenance operations.

HARLENE MARLEY (A) has been appointed an instructor of drama in the arts division of Kenyon College, Gambier, O. Miss Marley previously served on the faculty of Central Missouri State College, Warrensburg.

GALE MORGAN (E), Pittsburgh sales manager for Digital Equipment Corporation, has been named district manager by the Massachusetts-based computer manufacturer. His district includes areas located in four states. Mr. Morgan joined DEC in 1967, and became a sales engineer last November.

Lippay '65

Pond '65



FREDERICK M. POND (E) has been appointed chief engineer—air conditioning, for Dravo Corporation's fabricated products division. The division designs and manufactures a wide range of industrial heating, ventilating and air conditioning equipment. Mr. Pond joined Dravo in 1965 and most recently has served as an associate engineer.

BENJAMIN S. PORTER (E) has completed two years of active duty in the U. S. Army as a staff member for the deputy chief of personnel. He is now a senior analyst in pricing and strategy analysis for the Xerox Corporation.

Dr. JUSTIN CHRISTOPHER POWELL (E) (formerly Polulack) received his Ph.D. in organic chemistry from the University of Delaware in June. After a vacation in England, he and his wife Nancy will reside at 26 B Green Hill Drive, Fishkill, N. Y. Dr. Powell has accepted a position as senior chemist at the Beacon research laboratories of Texaco, Inc.

JOHN B. TALPAS (E) was promoted to area supervisor of chlorine-caustic area at Diamond Shamrock Corporation last March. Mrs. Talpas is the former Nanci Newbauer (M'66). They live in Wilmington, Del.

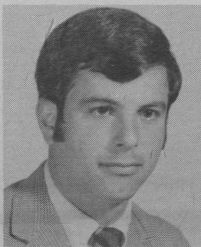
Witt '65



W. LANE WITT (IA) has been appointed cast cellulose marketing supervisor by Celanese Plastics Company, Newark, N. J. He joined Celanese in 1965 as a project analyst. Mr. Witt, his wife and two children live in Staten Island, N. Y.

STEPHEN H. YAFA (A) is the author of the script of "Three in the Attic," a recent film starring Christopher Jones and Yvette Mimieux. Two years ago the script, Mr. Yafa's first original screenplay, was termed best script by a new writer by the Writers Guild of America.

Barnett '66



ALLEN M. BARNETT (E) has joined the General Electric Research and Development Center as a physicist in the solid state physics laboratory. Dr. Barnett joined GE in 1966 as an electronics engineer at the electronics laboratory in Syracuse, N. Y. His most recent major assignment there was the development of a monolithic integrated circuit which utilized light-emitting diodes. Dr. and Mrs. Barnett live in Schenectady, N. Y.

WILLA BETH BEALKE (A) has been appointed to the staff of the National Association of Direct Selling Companies, Washington, D. C. Filling a newly-created post as director of public relations, Miss Bealke will direct the NADSC's national public relations program, develop publications and serve as co-ordinator for the annual meeting and international programs. The NADSC is a trade association whose members are the top 125 direct selling companies in America. Miss Bealke was formerly administrative assistant for the Animal Health Institute, a national trade association representing manufacturers of veterinary pharmaceuticals.

Bealke '66



JAMES L. BERGIN (E), assistant actuary of Columbus Mutual Life Insurance Company, was made an officer of his firm last April. Mr. and Mrs. Bergin live in Columbus, O.

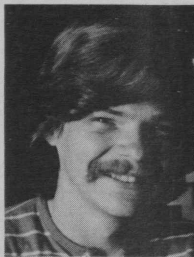
The appointment of RICHARD L. BOSTLEMAN (E) to the engineering staff of the Fred W. Bostleman Company, Toledo, O., general contractors, has been announced. For the past two years Mr. Bostleman had been associated with the Esso Research and Engineering Company of Florham Park, N. J.

DAVID JACK COHEN (E) has received a Master of Science degree from The Pennsylvania State University.

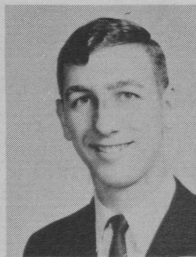
ROGER S. GUERNSEY (A) has recently formed a partnership with Frederick C. Watts (A'68). HEAD, a Pittsburgh-based firm, specializes in the development of interior spaces through design and construction of total environmental systems.

GEORGE D. HALL (E) has been named a senior research engineer in the central research department at the Pittsburgh headquarters of Rockwell Manufacturing Company. Mr. Hall joined Rockwell in 1961 as a design draftsman. Subsequently, he was a research engineer and was named a research project engineer two years ago. He remained in that post until receiving his new appointment.

Guernsey '66



Bostleman '66



Second Lieutenant GERALD ANTHONY JIM (E) has reported for duty at the U. S. Army Mobility Equipment Research and Development Center, Fort Belvoir, after graduating from the Engineer Officer Candidate School. Lt. Jim has been assigned as an R&D coordinator in the center's materials research support division, which evaluates new materials developments and products for potential application to the research and development program of the U. S. Army Materiel Command. During his assignment at the R&D Center, Lt. Jim and his wife are residing in Alexandria, Va.

KEITH J. KOVACS (E) has returned to Standard Oil of Ohio after two years in the U. S. Army as an instructor at the U. S. Army Engineering School, Fort Belvoir, Va. Mr. and Mrs. Kovacs are living in Rocky River, O.

EUGENE LESSER (A) recently directed the Milwaukee Repertory Theater's touring production of "Waiting for Godot." Mr. Lesser is currently a member of the New York University faculty, and has directed several other productions for the Milwaukee theater.

JAMES R. MC CHESNEY (E) received an M.S. in electrical engineering from the State University of New York at Buffalo in June. Mr. McChesney is a design engineer for Bell Aero-systems in Buffalo.

GEORGE ROBERT MINK (E) received a Master of Science degree from Rensselaer Polytechnic Institute last June.

WILLIAM L. MINTZER (A), theatrical lighting designer and consultant, reports that he has designed the lighting for seven productions at the Milwaukee Repertory Theater last season, including Gene Lesser's production of "Marat/Sade."

MICHAEL A. NETZER (IM) is presently maintenance superintendent of the fibers division of Allied Chemicals, Columbia, S. C.

JOHN FORD NOONAN (A) had his first play, "The Year Boston Won the Pennant," produced at Lincoln Center's Forum. The production opened last May for a one-month run.

FRANK A. RISCH (IA) joined Esso Europe in London last March as a financial analyst.

STEPHEN SADACCA (E) received a Doctor of Laws degree from Brooklyn Law School last June. He has accepted a position in the patent department of the Texas Instruments Corporation in Dallas, Tex.

JACK R. SCHOLL (A) has just completed two years' active service in the commissioned corps of the U. S. Public Health Service in Washington, D. C. Mr. Scholl is now an urban designer with Simonds & Simonds, Pittsburgh.

LEE BRACKEN SPENCE (E) received a Ph.D. in electrical engineering from the University of Pennsylvania last May. He is now a research staff member at the Institute for Defense Analysis, Arlington, Va.

MICHAEL TUCKER (A) appeared as Estragon in the Milwaukee Repertory Theater's touring production of "Waiting for Godot" last season. The play, directed by Gene Lesser (A'66), was presented at ten University of Wisconsin campuses and marks the first statewide tour of the company. Mr. Tucker is a veteran of 12 MRT productions.

BARRY WESTERLAND (E) received his M.B.A. from the Wharton School of Finance and Commerce at the University of Pennsylvania last May. He is now a business systems analyst for Shell Oil Company, New York, N. Y.

PHILIP R. VORMELKER (E) received his M.S. from Iowa State University and is now working for E. I. duPont de Nemours & Company as a metallurgical engineer at the experimental station in Wilmington, Del.

'67

JOCELYN B. HEYE (M) reports that after spending two years as a research assistant in cardiology at the Harvard Medical Center at the Peter Ben Brigham Hospital in Boston, she has been traveling and working in the South Pacific since November, 1968. She has crewed on a yacht from Tahiti through Christmas Island and around the Hawaiian Islands, flown to Pago Pago, Fiji, spent two months in New Zealand, and is presently living in Australia.

KARL J. LECK (E), a graduate student in chemical engineering at The Pennsylvania State University, presented an exhibition of photographs at the university last February and March.

ANNETTE L. MOSER (M) received a Master of Science degree at Tufts University's commencement on June 1, 1969.

Dr. YAIR E. ORGLER (IA) has joined the faculty of the Graduate School of Business at Tel-Aviv University, Tel-Aviv, Israel.

JUDITH E. ORR (M) received her M.A. at Michigan State University last June.

SHARON M. RAMBO (M) received her master's degree last June and is now working towards her doctorate in medieval and renaissance literature at Michigan State University.

SAMUEL J. SERO (E), planning engineer on West Penn Power Company's Chartiers (Pa.) division staff at Washington, Pa., has been appointed engineer in the utility's Greensburg general office electrical engineering department. Mr. Sero joined West Penn in 1967 following his graduation from CMU. He was assigned to the utility's Chartiers division six months later.

Mrs. Edward T. Meleason (MARY CATHERINE STADER, M) received her M.S. at Case Western Reserve University and is now employed as a research dietitian at St. John's Hospital, Cleveland, O.

Airman First Class ROBERT J. SUMMERFELDT (A) has been named Outstanding Airman in his unit at Myrtle Beach Air Force Base, S. C. Airman Summerfeldt, a radar operator, was selected for his exemplary conduct and duty performance. He is in a unit of the Tactical Air Command.

BERNARD A. WALTER, JR. (E) has received his M.S. in atmospheric science at Colorado State University, and completed Air Force Officer Training School last March. He is presently working as a forecaster in the Solar Forecast Center at the Norad Cheyenne Mountain Complex in Colorado Springs, Colo. The solar forecast facility is part of the special air weather service task force which supported the Apollo 11 lunar landing mission. Lt. Walter and his unit provide weather forecasts and maintain continuous visual solar patrol for the Department of Defense and allied agencies.

SUSAN WILLERMAN (A) appeared in the off-Broadway production of "The Perfect Party."

DAVID N. WISE (IM) has been elected chairman of the board of the Society for Advancement of Management. Last year Mr. Wise served as international president of the organization.

Boomhouwer '68



'68

JACOB BOOMHOUWER (E) has been commissioned a second lieutenant in the U. S. Air Force upon graduation with honors from Officer Training School at Lackland Air Force Base, Tex. He is being assigned to Vandenberg Air Force Base, Calif., for training as a missile officer.

MISS ELLEN S. LEVINE (M) received an M.A. from the University of Pittsburgh last April and is now working towards her Ph.D. in English at the University of Washington.

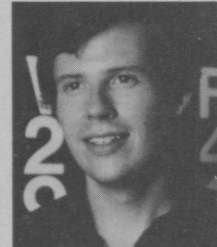
STEVE SCHWARTZ (A) has joined RCA Records as a popular artists and repertoire producer. Mr. Schwartz has also signed with RCA as part of a group called the Pipe Dreams, for which he handles all the keyboard material. Recording the Pipe Dreams for RCA will be his first producing project.

DREW C. SNYDER (A) reports that he appeared in the touring production of "Show-Off" by George Kelly.

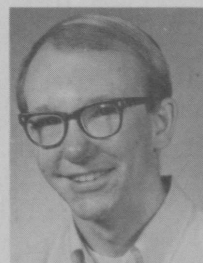
PETE STAMBLER (A) is at the North Carolina School of the Arts where he is teaching English and playwriting.

FREDERICK C. WATTS (A) has recently formed a partnership with Roger S. Guernsey (A'66). HEAD, a Pittsburgh-based firm, specializes in the development of interior spaces through design and construction of total environmental systems.

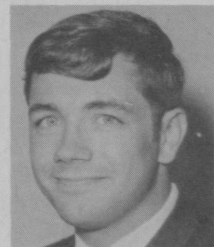
Watts '68



Bergemann '69



Long '69



'69

WILLIAM E. BERGEMANN (E) has joined Rohm and Haas Company's research division at the Bristol, Pa. location. Assigned to the physical testing laboratory, his responsibilities will involve the development of new and improved methods for testing experimental plastics and films.

RICHARD A. LONG (E) has joined The Babcock & Wilcox Company and is in the initial phase of a company-wide orientation program. Mr. Long is participating in a five-week session at Barberton, O., prior to being assigned to the naval nuclear fuel division in Lynchburg, Va.

Rohm and Haas Company has announced that GREGORY P. MORRIS (E) has joined the firm as a chemist. He has been assigned to the leather research laboratory at the research division's Philadelphia laboratories. Mr. and Mrs. Morris live in Willow Grove, Pa.

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The Director's Letter

Remember the bull sessions that you used to have as students? These sessions were generally held with the least provocation and the subjects were as varied as the number of blades of grass in a large field. The setting for a bull session could be a frat house, a dorm, a shady tree or a cup of coffee. Many times I yearn for the carefree days when an honest exchange of ideas was so meaningful. This bit of reminiscing causes me to wonder what subject I would introduce in a bull session if I had ten or twelve friendly alumni sitting with me over a cup of coffee. I suppose if I was hard pressed for a subject I would want to revolve our thinking about education, its relevance to everyday living and the ability that we have as individuals to retain what we have learned. Education and the retention of education appears to me, at this point, to be especially meaningful. I know and I think that you will agree that anyone who receives a college degree from Carnegie-Mellon University has to be above average in intelligence and he has to have an above average education in order to become an alumnus. Now this is as it should be, and this is as it is the year that a student graduates. Unfortunately, for many of us the retention of our education rapidly slips through our finger tips and we forget many of the things that we learned and felt were dear to our hearts. One can't possibly graduate from Carnegie-Mellon University without having a clear concept of the scientific method, and without knowing full well that conclusions should not be reached hastily and that they should only be reached after all avenues are fully explored and after all evidence has been compiled. But unfortunately, as we get older, we fail to remember those things that we knew to be truths. This has been evident by some of the hasty indictments leveled against the University and its administration that have been strictly based upon incom-

plete and inadequate evidence. Some of our alumni have been criticizing college administrators, and in particular Carnegie-Mellon University administrators, for what they feel has been inadequate handling of campus situations. I feel that it is unjust to criticize your University's administrators for behavior that has taken place on other campuses, but such has been the case. I also feel that it is completely unfair for someone on the sidelines, and not on the firing line, to be making judgments about decisions that are made by administrators, when actually the entire case is not known. I can't help at this point but to think of the quotation "But of the graces of God there go I," which indicates that many of the people who are criticizing college administrators, if faced with the same problems, could probably be in a worse position than the one that they are criticizing. Certainly our alumni are following scientific approaches in making their business decisions, but I'm sure that in the educational process no one ever indicated that the scientific method should only be employed in making business decisions. Why then, can't we as mature adults, make decisions that are rational and mature after having all evidence presented. Perhaps the Alumni Office should make more opportunities for continuing education available to our alumni so that we might maintain that cutting edge of decision making which helps us to utilize more fully the concepts of a scientific method of decision making. Fortunately, most of our alumni are understanding, sympathetic and helpful. Occasionally an unjust situation develops that causes me to wonder whether education is really getting through. Can we wipe off the cobwebs from our notes on the scientific method?