

CARNEGIE ALUMNUS



June 1959

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CARNEGIE ALUMNUS

DENTON BEAL, Editor

June 1959

ALEXINE HANDLEY, Class Editor

Volume 44 Number 6

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The Student As Philosopher

by Robert Schwarz

ASSOCIATE PROFESSOR OF HISTORY

"Problems of Philosophy" is a senior elective course. The following description depicts a course section covering three consecutive class hours, and taking up one of the most important subjects of the course, Logical Empiricism.

* * *

IN "Problems of Philosophy" the foremost problems of ethics, metaphysics (nature of ultimate reality), and epistemology (ways of knowing) are critically analyzed in terms of the outstanding philosophical movements. After discussing what philosophy is and how the layman philosophizes in spite of himself, the relation of philosophy to religion and to science is introduced, and the various major questions philosophy poses (the nature of reality, man's place in the universe, soul and immortality, a universe of purpose *versus* a mechanical universe) are taken up. The responses of the two principal schools of philosophy, naturalism and idealism, are compared and contrasted. In all these discussions the student becomes acquainted with a variety of "solutions," of which idealism, materialism, and naturalism are the cardinal ones. At the same time he acquires the intellectual material which he can use in his own reflective attempt to make his own world view consistent and methodical. The course thus seeks primarily to provide the student with the raw material, systematically arranged, for constructing his own philosophy.

The unit on Logical Empiricism is described in this paper because in the whole network of the student's Social Relations Curriculum it has been emphasized that both the pursuit of meaning and the synthetic function — the pursuit of "truth" — are necessary to give the student the requisite intellectual tools for determining his social orientation. By the time the half-way mark had been reached in the semester, the student had been abundantly given to understand that the philosopher,

by the very definition of his craft, must "go out on a limb," — must speculate. Most students in the class, although scientists and engineers, were convinced that though science may look askance at philosophy because it is speculative, philosophy to fulfill its purpose is bound to leave the area of "pure experience" for those "other regions" where it admittedly runs beyond any real available "data" and where knowledge is no longer legitimately derived from experimental evidence.

From time to time the student was forewarned that eminent philosophers also challenge this "one-way flight into fantasy." A discussion of William James, for instance, taught the class how forceful an argument could be made that the only profitable philosophical journey is one in which "pure experience" is both its starting point and the terminus to which a return trip must be made. In his bitter attack on Hegel's Absolute Idealism, James says that those intellectual products are most *true* which "most successfully dip back into the finite stream" of experience.

Though thus forewarned that for some rigorous logicians and "tough-minded" thinkers (James may, however, be neither) there is not enough room in the family of philosophy for both metaphysics (that branch of philosophy which deals with ultimate reality) and meaningful intellectual analysis, many students were surprised at the militancy of some statements by able philosophers and critics. In such statements they had faced the assertion that unless a proposition expresses a *formal* truth (truth determined by the internal relations of a logic within the proposition) or expresses something that is capable of being confirmed or disaffirmed by observation, it is nonsense.

For several weeks the students had previously studied, discussed, and pondered such questions as: Can the universe be reduced to one ultimate substance or

This article is the first in a series which will appear, not in every issue, but frequently in the Alumnus this next year, on: How We Teach.

principle? If so, is that substance or principle mind or matter? If not, can reality be reduced to two basic aspects, mind and matter? Is the world progressing toward some pre-established goal? Can values be derived from reality? They had heaved a deep sigh and then read a chapter which told them: "Hold on there! Why don't you ask yourself the all-important question, which is—What are you talking about?" This was like a fresh breeze and the students sighed again, this time with relief. The chapter on Logical Empiricism took the words out of their mouths. They looked back and realized that they had stumbled upon the credo of a major philosophic position, Logical Empiricism, long before they had really studied it.

Class Recitation

Monday—after a five-minute "refresher" by the instructor:

Instructor: Why are metaphysical problems insoluble, as far as Logical Empiricism is concerned?

Jane: Because in metaphysics there are no perceptions which would prove or refute a proposition.

Instructor: Can you give us an example?

Robert: A sentence like "History is the unfolding of a Supreme Intelligence." To the Logical Empiricist this sentence is nonsense.

Instructor: Why?

Robert: It has no formal meaning; that is, the truth or untruth of it can't be determined by its logical consistency. Nor is it possible to measure the truth or falsity of it empirically, that is, by sensory observation. It isn't like saying, for instance, a tie is a piece of men's clothing.

Instructor: Then what does give meaning to a statement?

Bill: It must make a difference.

Instructor: What does this signify?

Robert: Would the world run differently if this statement were proved or disproved? If not, the statement is meaningless.¹

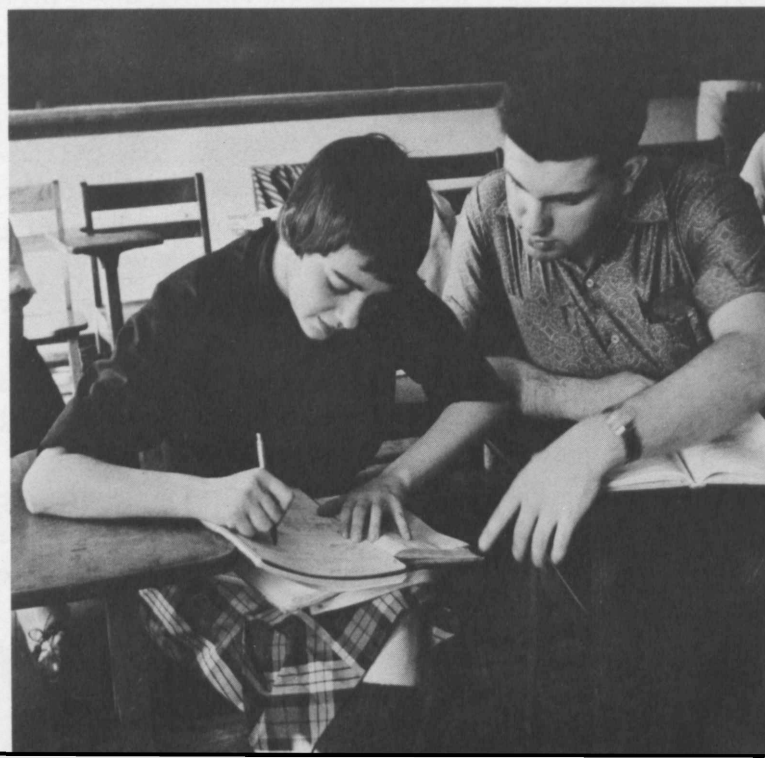
For the rest of the hour the class elucidated for itself as thoroughly as possible the significance of these conclusions. It was established that for Logical Empiricism

the only factual statements are those which are verifiable through observation; that—for Logical Empiricism—to say a statement is verifiable, we must know the conditions under which it could be validated; that for Logical Empiricism metaphysics and theology are a waste of time because their propositions are not testable by any "conceivable procedure of observation or experimentation." The class then went on to explore what to the Logical Empiricist *would* be a legitimate activity of philosophy. It found this to be as the textbook puts it, the analytical and logical function, the semantical analysis of statements, the sharpening of the rules of logic; in other words, the class found that philosophy from the standpoint of Logical Empiricism must become the theory and methodology of the sciences.

Wednesday

On Wednesday a completely different type of class session developed. It started when several students seriously challenged Logical Empiricism in this way: Logical Empiricism has entered philosophy and brought new "rules of the game" along with it, insisting that the old rules should be thrown out. This, as a student put it, is likely a forward young person joining a bridge game and, against the majority of three, insisting that his own rules should apply. If philosophy is the reflective attempt to make all experience intelligible, then metaphysics is legitimate and Logical Empiricists should not call themselves philosophers.

This attack was amplified in the following way by some members of the class who really understood the day's assignment: Logical Empiricism claims that all meaningful statements are capable of observational veri-



¹In this colloquy no attempt is made to quote verbatim.

fication; by claiming this the Logical Empiricist is implying a metaphysical position, namely that of the materialist. (Only the physical realm has ultimate reality.) It could be said that the Logical Empiricist is in the game of metaphysics as a protest voice against the "bad" metaphysics of the Idealist, but the fact remains that he is in metaphysics and thus should not advocate its elimination from philosophy.

The instructor summarized these objections and animadversions, and those persons in the class who were most responsive and communicative on this issue concurred that these shortcomings should indeed be a source of embarrassment to the school of Logical Empiricism. But one student, acting as the mouthpiece for half a dozen, maintained that metaphysics, having lost its value, should be discarded and the definition of philosophy changed so as to emphasize its analytical function only; with regard to the criticism that Logical Empiricism is in the same metaphysics which it so passionately wants to dispose of, the student compared it to a policeman accused of using force to combat the disorderly conduct of a delinquent.

Friday

On Friday the instructor summarized the main points of the past two sessions and then suggested that the class consider the implications for the philosophical future if Logical Empiricism should capture the whole philosophical profession.

Three alternatives seemed to offer themselves. First, the extreme position of the same student who two days before had argued for a complete house cleaning in philosophy; second, the postulate that philosophers who adhered to the traditional position should continue to be the spokesmen for the profession, with Logical Empiricism disaffiliating; and third, that metaphysics be "cut down to size," given the position of painting or poetry, and not allowed to make truth-claims which would compromise the integrity of the self-respecting philosopher. The last view was also the one held by the author of the textbook.

The first position was cheerfully adopted by a few skeptics and radical partisans of materialism. However, the sharp opposition of a young woman student was turned loose on them. The conversation was somewhat like this:

Jane: Aristotle taught that we must philosophize whether we want to or not. We may paraphrase the statement and say: We must metaphysicize



whether we want to or not. Metaphysics is here to stay. If it isn't philosophy's function to speculate in realms beyond pure experience whose is it?

Robert: Speculating beyond empirically available experience was good enough in the days of medieval scholasticism when the scientific approach was almost unheard of, but philosophy, like history and chemistry and all the other disciplines, must keep up with the changing times. Do you want chemists to make gold out of lead nowadays?

Jane: Alchemy is recognized as a pseudo-science. But metaphysics is another matter. It's a human need.

The colloquy continued for a few minutes, after which the instructor interjected the comment that metaphysics may not be the only branch of philosophy that would be in jeopardy if Logical Empiricism should be embraced by all philosophers; the instructor led the discussion into the field of ethics, in an act of deliberate digression, in order to show what havoc such sociological theories as that of the Logical Empiricist Pareto have wrought in traditional ethics. It was noted that the ethical skepticism growing out of Pareto's sociological philosophy would be as devastating as the metaphysical skepticism growing out of Logical Empiricism. At this point several students, fearful lest all branches of the philosophical family come crashing down if Logical Empiricism is adopted, acted like the person who says "In a democracy we should tolerate all except the intolerant, that is, those who would destroy the democracy by which they would have gained office."

But, as became apparent in later meetings when we returned to Logical Empiricism and its attitude toward ethics, religion, and esthetics, the great majority of the class believed that the value which has come to philosophy by the advent of this movement would be lost if it were allowed to "take over" the profession. This majority felt that we sometimes do our critical philosophizing, "with half an eye on our speculative philosophy"

and embrace or reject beliefs "because we feel that they will fit in better than any alternative with the view of reality as a whole that we happen to like." About 80% of the class was persuaded that the price to pay, namely outlawing metaphysics, for coming to terms with Logical Empiricism is too steep.

* * *

In my opinion, the analysis of this problem and of its repercussions focused, for the whole class, one of the central events in modern philosophy.

A pedagogical factor of major importance was the opportunity this unit afforded me for distinguishing between those students who exhibited throughout the week's work a dispassionate attitude toward the emergence of this new phenomenon in philosophical discourse and those whose personal involvement weakened their vision. The former group looked upon the advent of this obstacle to philosophical speculation from two points of view: a) How is philosophy as a whole affected by Logical Empiricism? (Here, the students concerned projected themselves into some imaginary person symbolizing philosophy incarnate); and, b) How must we come to terms with Logical Empiricism? (This personal and subjective vantage point is of course inescapable. But it is of the greatest importance whether it is taken first or last and whether to the exclusion of the objective point of view or not.) The encouraging fact that at least half the class belonged to this group was made obvious in the final examination.

The other group of students considered primarily the question of whether Logical Empiricism cohered with their already established set of convictions or not. From this it proved to be only a step to rationalizing rejection or acceptance of the doctrine. It is interesting to observe that some students of naturalistic persuasion who had previously rejected the so-called coherence theory of truth (which says that the truth of a proposition is determined by its coherence with the rest of our judgments), as a theory favored by the Idealists, used it now when it seemed to suit their predilection for Logical Empiricism!

How is this unit of instruction linked to the student's experience at Carnegie? The penchant of Logical Empiricism for the scientific approach and its attack on deductive philosophical speculation resembles the penchant of many of our senior Engineering and Science students. Coming to grips with arguments for which one side leans so heavily on science struck close to familiar ground. In this connection, however, most science majors

who were at first not prepared to admit metaphysics to a seat at the philosophical roundtable later came to realize that their frame of reference was simply different from that of other individuals and that perhaps there is more than one angle from which to view matters.

Many students, not only potential Logical Empiricists, found this part of the course most rewarding. To them it was a warning that "immature attitudes," coupled with fanciful language, are devoid of real meaning. The importance of the question "What do we mean?" and of a "logic of language" was brought home quite sharply. Logical Empiricism was regarded by a large part of the class as a gadfly in the Socratic sense or as a censor who allows no slovenly propositions to pass as truths.

I believe that an impressive number of students has through this lesson come to look at the analytical function of philosophy as one which seeks to remove confusion and prejudice through the clarification of the basic idea of "meaning."

It now remained to put Logical Empiricism in its proper historical perspective. It was not hard to see that the disillusionment after the first world war with political and social Idealism of several types might possibly be accompanied by the attitudes of Logical Empiricism. The tremendous growth of behaviorist science after the first world war would go well with the point of view expressed in the sentiment that only specific sets of physical meanings which can be tested operationally convey intelligible statements. Thus historical content, in this case the intellectual mood of the 1920's and 1930's, was also brought to bear on the matter, and in this manner the basic course in history was tied in.

The writer out of habit has tended to use terminology more typical of professional philosophers like Mead, Buchler, etc. rather than the students' own choice of idiom. But this does not change the fact that the ideas ascribed to students in this paper were their own.

The main assignment for this unit was chapter eleven in Hunter Mead's *Types and Problems of Philosophy*.

Dr. Robert Schwarz is associate professor of history, and is chairman of the general faculty this year. Born in Vienna, he did his undergraduate work at Emory University, Atlanta, and received his M.A. from Syracuse, his Ph.D. from Wisconsin. After a short period on the faculty of Wisconsin, he came to Carnegie in 1948. He received the Carnegie Teaching Award in 1954, and has been associate professor since that year. Among his special interests is the history of medieval business practices.



The University

Professor & Mrs. KirkPatrick, at home

Three veteran faculty members are retiring this month with a total of over 120 years service to Carnegie. **David C. Saylor**, E'20, the Theodore Ahrens Professor of mechanical engineering, has been a member of the faculty since 1920. Before coming to Carnegie for his B.S. degree, he attended West Chester State Teachers College and had been principal of a high school in Bucks County, Pennsylvania, and a few years later, received his M.S. from Pitt. A loyal alumnus, he sent both children to Carnegie: David Jr., E'45 and Margery, A'48. Professor Saylor was for several years chairman of the E&S Faculty. A member of SAE fraternity, he is also a member of several honoraries.

Edgar M. Starr, associate professor of mathematics, another former high school principal, came to Carnegie in 1919 after receiving his A.B. degree from University of Indiana. Among his early services to Carnegie was his work on the Industries Curriculum committee. He was in charge of mathematics for the Industries night classes for many years in the '20's. He was co-author with Professor E. G. Olds of a text, *Vocational Mathematics*, published by Blakiston in 1929. A DU from Indiana, Professor Starr was a member of the honorary Delta Sigma Rho, and a reserve officer for a number of years after his service in World War I.

H. K. KirkPatrick, associate professor of English, will be remembered by hundreds of alumni. After graduation from Cornell in 1914 and before coming to Carnegie in 1920, he was headmaster of a boys' school in Detroit, principal of a high school in New Mexico, instructor in a New Mexico Teachers' College, instructor, Ewing Christian College, Allahabad, India, general secretary of the YMCA in India, and instructor in English at Penn State.

At Carnegie, in addition to his academic duties in the English department, he has been acting Dean of Men (1922), Faculty Marshal since 1947, Treasurer of the general faculty since 1937, and member or chairman of many committees.

Mrs. Agnes KirkPatrick will be almost as well remembered as "Kirk," both from her service in charge of Mellon Hall, from 1921 to 1923, in charge of Margaret Morrison dormitories and the Infirmary, from 1923 to 1938, and from the friendly entertaining and counseling that has kept open for years the doors of "Professor Kirk" and "Mrs. Kirk."

A gift of \$1,250,000 from the Sarah Mellon Scaife Foundation, for a new engineering building was announced this month. The new building, to be known as the Alan M. Scaife Hall of Engineering, will be erected adjacent to the present Engineering and Science Hall.

In accepting the gift, President Warner stated, "During the past half-century there have been enormous advances in science and its applications, developments that have forced revisions in our educational systems and have, in some cases, outmoded teaching facilities. The Alan M. Scaife Hall of Engineering will provide new opportunities in the training and education of young scientists and engineers to high levels of competence. As an industrialist and civic leader, no one recognized more than Mr. Scaife the importance of highly trained engineers and scientists to the continuing prosperity of America. Therefore, it is most fitting that this new building bear his name."

B. Richard Teare, Jr., Dean of Carnegie's College of Engineering and Science, said that the new building will furnish space for the further expansion of graduate work and research in Physics and Metallurgical Engineering, besides offering more room for vital research in engineering materials. It will also make possible increased enrollment in graduate studies. Included in plans are new classrooms, conference rooms, a lounge, and departmental offices. Consideration is also being given to a transfer of the Computation Center to the new building.

An important feature of the building will be a nuclear science and engineering laboratory. This facility will serve to strengthen a recently initiated nuclear program at the graduate level. This is a joint activity of all departments in the College of Engineering and Science, especially Physics and Mechanical Engineering. This new graduate program is under the over-all supervision of Professor D. W. Ver Planck, Head of Mechanical Engineering. G. W. Hinman, Associate Professor of Physics, is the Program Coordinator. The curriculum has been approved at Oak Ridge for participation in the "Nuclear Science and Engineering Fellowship Program."



Professor Starr

Professor Saylor

The appointment of **Earle R. Swank** to the office of Dean of Men has been announced. Mr. Swank's appointment is effective July 1, at which time he will reactivate the office of Dean of Men, the duties of which have been handled during a four-year interim period by various university officials.

As chairman of the Student Financial Aid Committee for the past three years, Mr. Swank has had frequent opportunities to become familiar with the students at Carnegie Tech. He has been administering the various scholarship and loan programs and has been advisor to foreign students.

A member of the Carnegie Tech faculty since his appointment as Instructor of English in 1948, Mr. Swank now holds the title of Assistant Professor of English and will continue his work in that department. Mr. Swank received his A.B. degree from Muhlenberg in 1943, and an M.A. from Harvard in 1948.

Of the four paintings presented to the Pittsburgh Public Schools by the One Hundred Friends of Pittsburgh Art, two were: "Head" by **Russell Twiggs**, A'16, Massier in the Department of Painting and Design (see April *Alumnus*), and "Entrance to Eternity" by **Gloria Peterson Scully**, A'53.

Alexander H. Erlick, former assistant professor of accounting in the Department of Secretarial Studies, Margaret Morrison Carnegie College, died last spring in Miami, where he was on the faculty of the University of Miami. He had been a member of the Carnegie faculty from 1929 through 1950.

A giant step forward in designing an educational program for gifted High School students was announced in May by the Pittsburgh Board of Public Education and Carnegie. The program is the first of its kind in the country to bring into direct partnership the teachers of secondary schools in a major city and those in a private collegiate institution. This cooperative venture has been made possible by a grant of \$75,000 from

the Fund for the Advancement of Education, and \$12,500 from the A. W. Mellon Educational and Charitable Trust.

The pilot program provides for an exchange of teachers between selected public high schools in Pittsburgh and Carnegie. During the academic year 1959-60, one high school teacher of English and another of history will instruct at Carnegie Tech. At the same time, two Carnegie instructors will teach in the high schools. By this means the two cooperating parties expect to develop new teaching techniques for adoption in Advanced Placement Programs, enabling above average high school students to earn college credit.

While it is planned to expand the Advanced Placement program eventually to many city schools and in many fields, the first courses to be presented in the fall semester are in European History and English. Four public high schools, Allerdice, Peabody, Perry and South Hills, will offer the special courses in English, and all but Perry, the advanced courses in History. Advanced Placement courses in mathematics and physics will also be taught in selected schools, but they are not related to this specific project.

More than 2,000 members and guests attended the 1959 Annual Meeting of the American Society for Engineering Education in Pittsburgh, June 15 through 19. The University of Pittsburgh and Carnegie Institute of Technology were co-hosts.

In the various papers, discussions and meetings, engineering educators centered their efforts on increasing the effectiveness of engineering education to meet the needs of graduates in professional careers which will extend over the next 45 years. This included the relationship of the basic sciences to engineering; methods of developing more and better teachers; the basic processes of learning in engineering; and future needs of the profession which A.S.E.E. must anticipate.

Over 125 conference meetings were held on the campuses of Pitt and Carnegie Tech throughout the week. Principal addresses at the convention were presented by Dr. Eric A. Walker, President of the Pennsylvania State University; Dean William T. Alexander of Northwestern University, President of the A.S.E.E.; Dr. H. L. Rusch, Vice President of Opinion Research Corporation; and Dr. Dael Wolfe, Executive Director of the American Association for the Advancement of Science. President-elect of Association is **Dean B. Richard Teare**, of Carnegie's College of Engineering & Sciences.

Professor Walton Forstall of Carnegie Tech and **Professor W. I. Short** of Pitt were general chairmen in charge of local arrangements.

The National Institute of Health has made a grant of over \$78,000 to **Gaylord W. Penney**, George Westinghouse Professor at Carnegie Institute of Technology, for further studies attacking the problem of industrial air pollution. Professor Penney has been working in this field for 25 years and is well known for his development of the Precipitron electronic air cleaner for the home, business, and industry.



The Gym, decorated by architecture students for Scotch 'n Soda.

"This grant from the National Institute of Health will be used to improve our understanding of the exact behavior of particles during the precipitation process," Professor Penney stated. "It will enable us to develop tests to predict the performance of a precipitator in a given application. The emphasis will be on a study of the adhesive behavior of fine particles under the influence of an electric field."

The Graduate School of Industrial Administration, Carnegie Institute of Technology, held its Fourth Annual Professional Conference for Alumni on April 24-25.

Leland Hazard, formerly vice-president and general counsel for the Pittsburgh Plate Glass Company and now a Professor of Industrial Administration and Law at Carnegie led the discussion of a case on establishment of new policies in organizations. Other prominent faculty members participating were H. J. Leavitt, author of *Managerial Psychology* and formerly vice-president of a management consulting firm, and A. J. Perlis, E'43, noted computer expert who was one of a few American computer experts recently chosen to participate in the First International Conference on Information Processing to be held in Paris in June.

Buggy Race



"For the

Alumni have been busy in the Pittsburgh Bicentennial celebrations. Norbert Nathanson, A'48, from high in Pitt Stadium directed the 5000-man band festival on May 2. Bands from 61 Pennsylvania high schools met in a salute to Pittsburgh's history under the baton of Music-man Meredith Willson. Nathanson not only directed the production, but wrote the script for the colorful and inspiring show.

Later in the month 500 singers from Western Pennsylvania high schools met in Syria Mosque under the baton of Robert Shaw to present "Sing the Sweet Song," 200 years of song in Western Pennsylvania. Clifford Taylor, A'44, associate professor of music at Chatham College, wrote or arranged a large part of the music, and Robert W. Schmertz, A'21, associate professor of architecture, and well-known balladeer, composed and wrote the words of several ballads which made a big hit with both audience and choristers.

Charles M. Stotz, A'20, another well-known architect, is co-author of *Drums in the Forest*, published by the Western Pennsylvania Historical Society. Stotz' section is entitled "Defense in the Wilderness." Reviewer Ralph Griswold, writing in *Charette*, said, "Supplementing his very lucid narrative and description, [Stotz'] illustrations make the geography and construction of the defense mechanism easy to visualize. . . . Best of all are his own pen and ink drawings — beautifully composed, firm in line, accurate in perspective, authentic in detail, and pictorially convincing. . . . From any architectural point of view [the book] is a collector's item."

February issue of the *Alumnus* told about George McCalmon, A'34, who will direct 61 performances of the Bicentennial play at Point Park.

Stephen M. Jenks, E'32, administrative vice president for operations of United States Steel Corp., has been promoted to executive vice-president for engineering research. Mr. Jenks went to U. S. Steel through its merger in 1951 with Carnegie-Illinois Steel Corp. started as a blast furnace blower in a steel plant before becoming an engineer with the old American Sheet and Tin Plate Co. As administrative vice president he was responsible for steel and coal operations of the corporation. A mem-

Glory of Carnegie . . . ”

ber of several technical engineering and metals organizations, Mr. Jenks received the American Institute of Mining and Metallurgical Engineers' Fairless Award in 1956, and last year was a member of the American steel industry delegation which visited Russia. He is active in civic affairs and he and his wife, Eleanor Griffiths, A'26, live in Coraopolis Heights. They have two children, Stephen William, 17, and Nancy Kay, 16.

Robert W. Graham, E'33, has been appointed General Manager for Operations (Steel), of the United States Steel Corporation. Mr. Graham a year ago became General Superintendent of the Homestead Works in a general move involving four other Carnegie alumni (story in *Carnegie Alumnus*, March 1958).



W. Ward Powell, E'13 (right) with Dr. Cassinis, president of the Politecnico, University of Milan

The University of Milan has conferred the degree of Doctor of Engineering (*Honoris causa*) on **William Ward Powell, E'13**, vice-president of Mesta Machine Company of Pittsburgh. This honor was awarded to Mr. Powell and three outstanding European engineers, at ceremonies at the Politecnico in Milan this Spring, before a distinguished group of 700 guests and scholars.

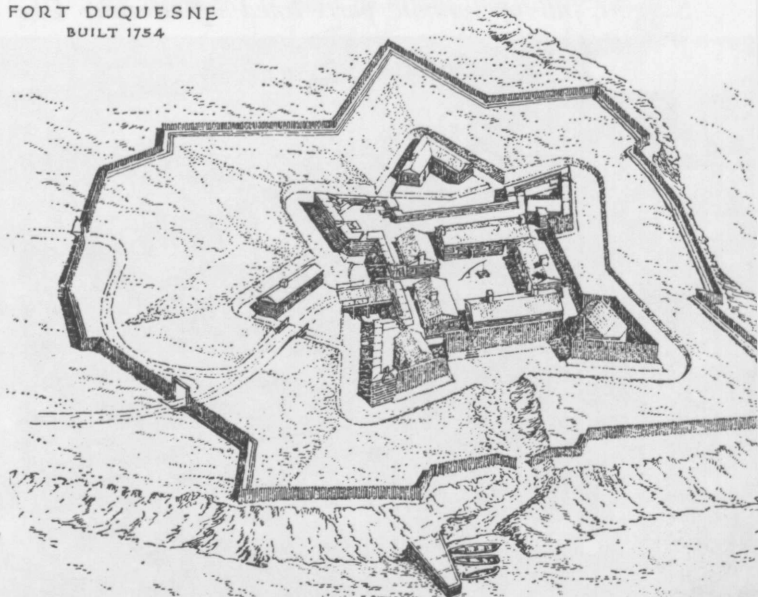
Only ten such degrees have been awarded in the past 70 years, and Mr. Powell is the first American ever to receive one. His selection was in recognition of his contributions to the development and improvement of the steel industry in Italy.

The Ford Foundation has granted \$10,000 each to ten stage directors "to help stimulate their creative development." Of the ten, two are alumni: **Bill Ball, A'53**, and **Rachmael ben Avram (Irving Appelbaum), A'49**. Ball, currently working off-Broadway will, under the grant, direct at the Globe Theater, San Diego; the Actor's Workshop, San Francisco; the Alley Theater, Houston; and the Arena Stage, Washington. ben Avram, director of the Golden Hind, in Berkeley, will study legitimate and lyric theater in Europe and Japan, and complete a book on style and form in the theater.

Meanwhile, through a different series of Ford Foundation grants to playwrights **John Vlahos, A'39**, will have a production of a play in Tucson (see Class Notes).

Harold E. Wagoner, A'26, past president of the Church Architectural Guild, looks to the "beginning of the golden age of church construction" in the May issue of *New Christian Advocate*. However, a dichotomy of balance must be established between the type of worship which is needed in an age of guided missiles and space ships and the more secular activities of the church, he said. "We are designing buildings for Christian fellowship. There is a danger that it could become more fellowship than Christian." Both contemporary needs and church tradition are important, according to Mr. Wagoner. Today tradition should be expressed in terms of needs. It is his belief that stylistic revivals will become increasingly scarce.

FORT DUQUESNE
BUILT 1754



Happy Hobbyist of Saxonburg



George Aderhold, I'23

"George Aderhold, boy and man, has found happiness in his own backyard. He is in the enviable position of loving both his home and his job, and having both on the same lot in his native town of Saxonburg."

This was the opening of a story about George Aderhold, I'23, in the Pittsburgh *Sun-Telegraph* a few months ago (written by Dorothy Kantner, M'28); and a story about Saxonburg Ceramics, his own company. George was brought up in the small farming village of Saxonburg, north of Pittsburgh. His favorite teen-age hobby was fooling with home-made kilns and firing things made of local clays. George did most of his work at Carnegie in night school, working at various jobs during the day. As he learned more and more he finally moved into a job as chemist with a Pittsburgh steel company.

But after graduating with his degree in chemistry, George figured that with his earlier experience in ceramic experiments he could make a good many ceramic

Saggers full of ceramic parts lined up to enter kiln

products both better and cheaper than some of the big commercial suppliers. So, with an order from Butler High School for evaporating dishes and crucibles to be used in chem classes, Saxonburg Ceramics was born. Today, he does a gross business of over \$800,000 annually, he employs 160 people in a plant of more than 50,000 square feet, and turns out thousands of varied ceramic products, mostly to customer specifications. But it is still in his own back yard.

Saxonburg was the site of John Roebling's first iron wire cable works from which he moved to his triumphant Brooklyn Bridge. Back in the 1830's Roebling employed most of the work force of Saxonburg; and when he left, the town became once more a sleepy village. Today, Ceramics employs most of the town's work force, and George Aderhold lives in a house built by Roebling. In fact, in the early days, George's factory was in the house itself.

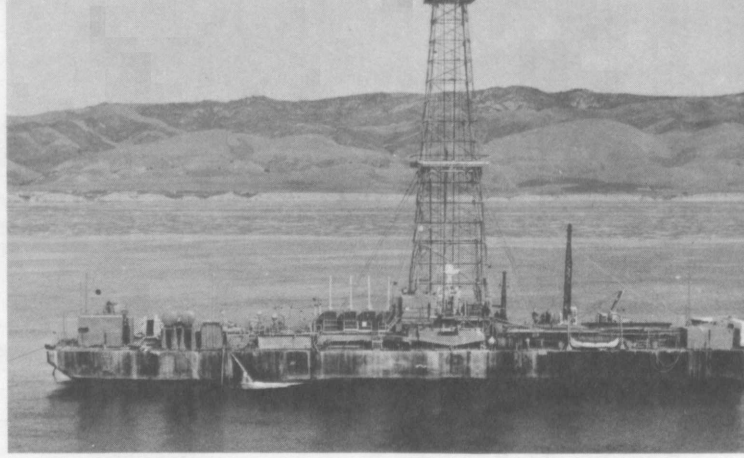
The operation is much too big for that, today, of course, for the plant turns out products varying in size from 20,000 to the pound to over 1,000 pounds a piece. In addition to porcelain, steatite and cordierite ceramic parts, the firm specializes in many refractory oxide parts, such as zirconium silicate, zirconia oxide, and alumina pieces which can be used in high temperature work, up to as high as 4,200° F.

Biggest selling feature for Saxonburg Ceramics is speed of delivery on orders to any individual specifications, — that is, that's the second biggest selling feature. Probably the best feature is George Aderhold himself.

Saxonburg Ceramics. Aderhold's home at corner of street



More Underwater Treasure

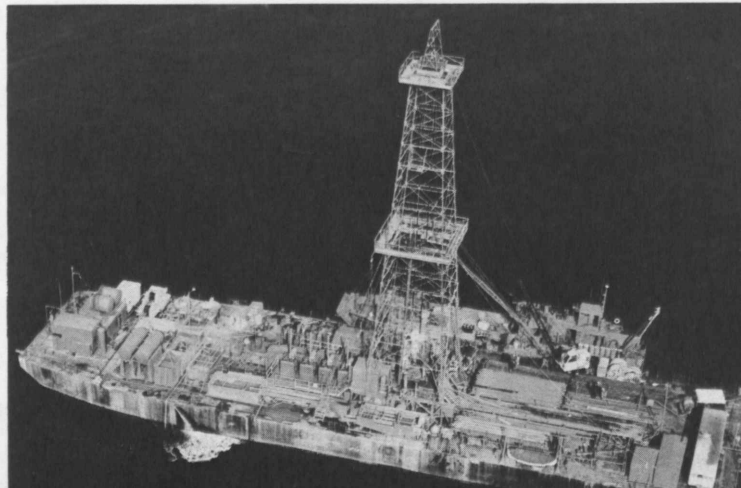


The story of Fenton Finn, E'28, president of New York State Natural Gas Company, and its Lake Erie drilling project (in *Carnegie Alumnus*, November '58) has brought some dramatic pictures from California, where another alumnus is actively engaged in the exciting work of underwater exploration.

Warren A. Roberts, E'37, California District Superintendent of the Oil Production Department of Phillips Petroleum Company, sent these photos of the drilling barge *Venmac 3* working two miles offshore at Point Conception, 160 miles west of Los Angeles. The water depth at Point Conception is 175 feet, and it is often called the Cape Hatteras of the Pacific because of the heavy swells and poor weather conditions.

The *Venmac 3* differs from the Lake Erie barge in being always afloat, and in using rotary drilling gear. The barge, 252 feet by 68 feet, has a capacity of 4,000 tons. Since the work is exploratory, results are still confidential; however, the barge broke records on its first well, drilling the deepest exploratory well (over 7,000 feet) ever sunk from a floating platform in the Pacific. Needless to say, the combination of floating barge, high tides, heavy swells and bitter winds presents many engineering problems.

The *Alumnus* is glad to know that Carnegie men are in the forefront of offshore exploration from New York to California.



Secretary's Letter

It's a pleasure to welcome our new Associate Secretary, Mr. Robert W. Samuelson, to the staff. He reported on Monday morning May 18, and is busily acquainting himself with his new surroundings and colleagues.

In his new position, Bob will be responsible for alumni relations. He will work with our Clans, counseling existing ones and directing the organization of new ones in many locations throughout the country. Homecoming and class reunions will also come under his direction. When time permits, he will launch a long range study to determine what new group activities need to be organized to better meet the objectives of the Alumni Federation.

Bob received his B.S. in Industrial Management in 1954 and his M.S. in Industrial Administration the following year. While a student, he was active in Sigma Nu, SAM, Skibos Flying Club (he still holds his private license), and intramural sports. A native of Dormont, Bob was a commuter. Following graduation, he served in the Army Signal Corps for two years and then joined Proctor & Gamble Company in Cincinnati, as industrial engineer. In May, 1958, he became a sales representative for P & G in Nashville, remaining there until joining our staff.

Married to the former Adrienne Brown, M'58, our new colleague recently became the father of twins, Inger Jo and Howard Bruce. This brought the family to five, the new arrivals joining brother Leonard, aged two. The Samuelsons are currently looking for a home in the Pittsburgh area.

We look forward with pleasure to a long association with Bob Samuelson, and know that our alumni will enjoy meeting him as he makes visits throughout the country. . . .

The April issue of the *Alumnus* reported the exciting progress of the Ten-Year Development Program. You'll be pleased to note even further progress in this issue.

The Executive Committee of the Alumni Federation has recently approved plans to reactivate the annual Alumni Fund, beginning November 1, 1959. The solicitation this year will include only those alumni who have not made a subscription to the Alumni Phase of the Development Program. The campaign will extend through March 31, 1960. This will be the first of two major transition steps designed to place the Alumni Fund on an annual basis again after June of 1960, at which time we will have fulfilled the three year period during which the Alumni Fund joined with the Alumni Phase of the Development Program. Until that date, all Alumni gifts will be credited toward the Development goal of \$1,500,000 which we alumni accepted as our share in Carnegie's future.



Mr. Samuelson

Alumni gifts now total \$1,355,785 (May 31). With the kind of leadership and devotion which has been shown, we'll not only meet our goal, we'll exceed it.

See you next issue—

A stylized, cursive signature that reads "Jack".

Jack Johnson, Executive Secretary

The Lost Ones

Despite the use of post office tracers and some truly Sherlock Holmes detection by the Recorder's staff, at any given time from five to ten per cent of our members are "lost." If you know any of the following people, please drop us a card or letter with your best guess about their addresses.

The *Alumnus* prints these lists each year, and concentrates each time on reunion classes in order not to overwhelm readers with names. Thus, in a five year period each name is presented at least once.

Industries

I—'09

William L. Ainsley, Walter C. Appenrodt, Daniel E. Crisman, C. B. Gallagher, W. D. Grant, John P. Kelly, L. J. Lawler, F. A. Lohman, H. F. Mack, Kenneth McAuley, C. H. McCormick, Walter W. McLure, E. M. Mould, F. H. Obermeier, W. G. Paisley, Edgar L. Phillips, J. J. Rogers, H. M. Smoker, R. S. Sugden, Joseph G. Wehs, W. E. Wilkinson, H. T. Young, Henry Zellman

I—'14

Julius J. Alpern, James W. Moren, Glen O. Morford, Ernest F. Nash, Stephen Papp, Garnet P. Payne, William A. Scaggs, Walter R. Shaffer, Edgar L. Shryock, Paul M. Simpson, Oscar R. Smith, Frank A. Stein, Ernest H. Wilkes

I—'19

George L. Cowperthwait, Marion F. Kirkman, Oliver F. McWilliams, Arthur J. Morris, Charles W. Polk

I—'24

John D. Andrews, Ralph D. Durbin, Floyd C. Fisher, Paul F. Fox, C. M. A. Frankhouser, Max Freyd, John J. Galvin, William A. Glynn, Fred T. Goodfellow, W. D. Himes, Harry P. Knauss, Samuel I. Levin, Ralph E. Livingstone, Kenneth D. Lockwood, Edwin D. Lucas, John J. Maloney, Henry F. Simpson, Ward Stalknecht, Arthur T. Williams

I—'29

John W. Africa, Arthur A. Beyer, Harry L. T. Brodbeck, Andrew E. Dobos, J. Boyd Emerson, Jr., Joseph M. Fornadel, Thomas Francis, John A. Hays, Raymond L. Henning, Carl L. Herman, DeWitt C. Hopper, Walter A. Keil, Reginald K. Knutson, Wilmer W. Kruppenbach, Arthur C. Lange, William J. Marshall, Robert E. Martin, Fred U. McGee, Frank E. McGuire, Allan F. Miller, Merton M. Mohrman, Francis J. Muzik, Samuel J. Sibley, James W. Smith, David E. South, William K. Shaw, Ralph R. Stowell, Robert D. Stratton

I—'34

Andrew C. Burr, Michael R. Cima, Lawrence H. Culbertson, William J. Flower, Jr., John T. Martin, James R. Murray, Kenneth J. Latimer, Nicholas E. Meyer, Lewis C. Smith, Jr., Howard W. Warnick, John B. Taylor, Joseph P. Regan, George J. Smith, James J. Studebaker

Margaret Morrison

MM—'09

Mrs. J. R. Jamieson (Isabel Powelson), Mrs. Herbert H. Knight, Anne M. Ramsey, Mrs. Walter H. Schramm (Josephine McGilvary)

MM—'14

Mrs. O. M. Sherman (Anna Bromley), Mrs. I. M. Smith (Vida Sleese)

MM—'19

Jessie F. Bell, Anna M. Benscoter, Mrs. George G. O'Brien (Margaret E. Hollar), Mrs. E. E. Neubig (Anna Mehl), Sarah M. Riley

MM—'24

Mrs. C. W. Adams (Margaret E. Mahwinney), Mrs. E. R. Babylon (Lucy Pardoe), Mrs. F. G. Brogan (Faye Glass), Mary A. Hobbs, Ruth M. Lowman, Mrs. A. G. C. Quay (Dorothy E. Harrington), Mrs. George W. Sage (Bertha Kendall), Clara M. Waterman

MM—'29

Mrs. W. L. Coats (Ruth L. Snyder), Mrs. Saul Cohen (Mary Glickman), Miss Thanet F. Cridland, Mrs. Robert E. Glass (Esther Wilson), Mrs. Francis J. O'Brien (Mary M. Ziegler), Mrs. Marcus Rosenblum (Nettie Kline), Helma Weisberg

MM—'34

Margaret F. Farr, Leonora Freeman, Mrs. J. M. Furrie (Mildred Kelly), Mrs. Julia S. Graff, Mrs. Paul A. Miller (Margaret Weidlein), Mrs. Norman O. Scribner (Esther Johnson), Mrs. Dorothy E. Stroble (Dorothy Miller), Mrs. Horace Thomas (Margaret Small), Dorothy E. Unger, Mrs. Edward Wilson (Alice Milligan)

MM—'39

Mrs. James V. Cox (Ilda Varner), Mrs.

Frederick J. Herr (Kathrine M. Fordyce), Mrs. George W. Huddell (Jane Bortz), Mrs. Joseph Kromelow (Bernice Zwerling), Mrs. Lawrence C. Kuhn (Francies Campbell), Judith Matlis, Mrs. Charles E. Miller (Sara Heyl), Martha J. Sherratt, Mrs. Dorothy L. Terpay (Dorothy C. LaGrange), Jeanne E. Tremaine

MM—'44

Mrs. H. T. Hartman (Barbara Bridges), Mrs. William Stevenson (Edythe Horne)

MM—'49

Mrs. Robert R. Baldrige (Lois G. Schafer), Mrs. Francis J. Cody (Mary J. McCann), Mrs. Roger Cesvet (Helen E. Keller), Wilbert R. Siegel, Norma E. Smith, Mrs. S. H. Stapleford (Marian Arehart)

MM—'54

Mrs. John Bucher (Alma D. Geary)

Fine Arts

ARTS—'14

James H. Barber, Donald A. Bowyer, Norman C. Brown, William T. Jones

ARTS—'19

C. H. Ditterick, T. D. King, V. R. Kreuger, Frances Anne Levenson, Nathaniel J. Robin

ARTS—'24

Georgia O. Ahrendts, Teasdale Barney, Mrs. Allan R. Brown (Mary Burgwin), Mrs. Victoria D. Evans, George J. Gloeckner, Mrs. Laura L. Hart (Laura Lahm), G. K. Johnston, Joseph Lazarus, James D. Mawhinney, Margaret B. Ripley, Isaac T. Sharp, Frank J. Taylor, John S. Wood

ARTS—'29

Grace K. Bazell, Joseph H. Bott, Mrs. B. J. Burke (Katharine Mackley), Mrs. John Chisholm (Faye Kent), Madeline F. Ferguson, Miss Sydney O. Giffen, Mrs. Guy M. Griffin (Mary V. Carson), Mrs. William C. Hildebrand (Esther Sprengle), Durbin L. Horner, Garland H. Kerr, Emma C. Moore, Harold Shuttles, Mrs. William H. Thomson (Dorothy S. Lynch), Eleanor Tierney

ARTS—'34

William E. Davis, Wesley G. Greer, Nils V. Johnson, Thomas R. McLaughlin, Mrs. Erna H. Nyquist, Roystan Powell, Jane C. Reed, Mrs. Robert D. Sourbeer (Ruth K. Fackler), Mrs. Harold Trobe (Ruth Weiner), Mrs. Thomas H. Webber (Hazel L. Cambell)

ARTS—'39

Edwin Philo Davis, Robert E. Friden, Mrs. Sydney Nashner (Lois Odle)

ARTS—'44

Ruth Fischer, Joan E. Graham, Henry F. Hewes, Mildred Koffler, Betty Jane Prosnit

ARTS—'49

Jean L. Rhodes, Joseph Ruskin, Ralph W. Sill, Joseph Stecko, Mrs. Gerald Stern (Patricia M. Miller), Herbert D. Venzer

ARTS—'54

Alexander Demaras, Mrs. Vida K. Berkowitz (Vida Korb), Robert Cabrera, Richard A. Dimon, Jr., James M. Kalett, Victor A. Lazzaro, Philip A. Mendlow, David W. Shiras

Engineering & Science

E—'09

Charles R. Barton, J. R. Conley, Hugh D. Farrell, Wilbur S. Gibson, Earl R. Hunter, Harvey J. LeFevre, Joseph D. Patch, James M. Swoger

E—'14

Jacob E. Averbach, Vincent F. Carraher, James F. Elliott, W. T. Heins, Norman A. Hollister, Lewis R. Madison, Paul K. McGill, John J. Murphy, Jacob Sniderman

E—'19

H. K. Alcorn, Ko Chi Chang (Casey), Franklin R. Fetherston, Paul K. Freese, Doyce W. Gallagher, Earl S. Harrison, Ralph R. Hayes, George F. Hunter, Robert T. Jackson, Myron Kinder, S. C. MacLachlan, J. Curtis Raese, Max Weinstock, Hsueh-Hsiao Wu

E—'24

Herman I. Arenson, Atwood Y. Blair, Raymond R. Bowie, Vladimir P. Brodsky, William R. Catlow, Jr., James J. Christie, John B. Curry, Donald C. Duvall, William C. Dwyer, Louis Ebin, Lee A. McCardell, Richard G. Miller, Harold A. Newell (Harold Alonzo Neutzenholzer), J. C. Patterson, Robert E. Wilson

E—'29

Santiago P. Bermea, Frederick L. Fritsche, Raymond W. Justice, Richard C. King, Gerald D. Linke, Barton W. Moore, Clarence O. Peterson, Ralph G. Rodgers, Winslow C. Vickery, Christopher H. Williams

E—'34

William L. Aiken, Elvan R. Babylon, Ernest E. Brayshaw, John Chervenak, Anthony J. Cacchione, Jerome T. Connors, Leon A. Dahlstrom, Frank R. Edgerton, Marion B. Edmundson, Lewis Elder, Melvin G. Frank, John C. French, Hannibal J. R. Gaspari, Roy L. Grant, Harry Greenwald, William E. Harris, Thomas E. Jackson, John M. Kiefer, John F. Klosowski, Carlton G. Lewis, John L. Loeb, Nicholas M. Masich, David C. Maxwell, William N. Miller, Donald T. May, Ralph D. Moyer, William C. Newmyer, Joseph T. Napier, J. Steven Paul, Arthur S. Peterson, Andrew Pinkerton, Jr., Alfred L. Pope, DeWolf Schatzel, L. B. Stein, Elmer Stighano, James W. Stoops, Thomas W. Ungashick, Carl F. Vallin, Edmond W. Westrick, Albert M. Whitehouse, Richard E. Wiberg, Alan M. Young

E—'39

Clement C. Bauman, Stephen F. Breza, Edmund N. Curcio, Italo D'Amico, Charles Fegan, Andrew R. Gallagher, Robert Hazeldine, Charles A. Hazen, William L. Latta, Jr., Lee F. Maxwell, Joseph J. McEvoy, Jr., John S. McGraw, Robert H. Moore, Jr., Harvey E. Neis, R. M. Palmer, William H. Skewis, John D. Snyder, Carl E. Strick, Albert M. Stubrich, Edmund V. Suess, Jess W. Thomas, Harry A. Truby, Jr., Hugh E. Warren, Yale Weisman, Foster E. Whitacre, Jr., Alexander M. Wilson

(Continued on page 34)

The *Alumnus'* printing schedule would not allow coverage of commencement activities, so the following inserted copy of *Carnegie Tech Notes* has been included to bring the story of this colorful event. Next year, alumni will receive two copies of the *Notes* during the year.

Class Notes

Clan News

Philadelphia

The annual dinner dance was held at the Alden Park with over 50 members present. After a brief program in which Jack Johnson, executive secretary of the Federation, showed slides of the new campus model, the new officers were installed. President (re-elected) Harold A. List, E'44, (MI 6-1487), vice-president (re-elected) Mrs. Cecile McMichael, M'40, (SU 9-3690), secretary (re-elected, Mrs. Emma H. Pyle, M'35 (KI 3-9174), treasurer, Matthew W. Fogel, E'33, (PI 5-4447); assistant secretary, Mrs. Frances Turosak, M'51, assistant treasurer, William Boney, E'54, Division chairmen are: (1) Andrew C. Muir, (2) Mrs. Helen B. Roy, (3) Mr. and Mrs. John Horth, (4) to be appointed.

Six additions have been made to the Board; Mrs. Irene Bowers, Mrs. Rosaline Burns, Roy Smith, Mrs. Mary Stroud, Roy Jamison, and Henry Lightner. Directory Committee chairman remains Charles F. Neu (CH 7-2339); and recruitment-scholarship chairman is Robert E. Beck (LO 6-5397).

New York

The annual cocktail party-dinner-and-extravaganza was held May 8 at the Belmont Plaza. About 190 members were treated to a fashion show with cocktails, dinners, and a music-drama loosely entitled "All That Jazz." Visitors from the campus included Ted Hoffman, head of the drama department, Bess Kimberley and Jack Johnson.

Pittsburgh Women's

The Golden Anniversary Luncheon of the Pittsburgh Women's Clan was attended by over 60 on May 16, 1959 at the College Club. Golden flowers, plaid ribbons and individual yellow birthday cakes with candles made it a real Anniversary Party!

The business meeting included: Reports telling of recent developments on Campus, and a review of highlights of the past two years such as: (1) Scholarship Aid amount-

ing to \$4,000.00 given by the Clan, (2) Women Faculty Members of Carnegie made Associate Clan Members, (3) Memorial Fund established through which members can contribute to the Scholarship Fund, and (4) "Dutch Treat Luncheons" introduced as a regular feature of the Clan program.

The following officers were elected to serve for the next 2 years and were welcomed by the retiring president, Mrs. Charles L. Scott: President—Mrs. James Paul Fugassi (Janet McVicar, M'38); First Vice President—Miss Peggy Lee Wentzel (A'46); Second Vice President—Mrs. Robert C. Armstrong (Ruth Hoffman, M'28); Secretary—Miss Clare Lawler (M'56); Treasurer—Miss Ann Parker (M'53).

The guest speaker, Dr. Margaret F. LeClair, Dean of M.M.C.C. charmed, informed and delighted the luncheon guests with her topic, "Laughter in Rhyme."

Wilmington

Dr. William M. Schutte, associate professor of English, captivated the members of the Wilmington Clan with his sparkling talk on May 1, at the annual dinner meeting at DuPont Country Club. His discussion of current teaching methods and courses in History and English made all of us wish we could go back to school. Because of the excellent teaching technique demonstrated by Prof. Schutte during his talk, a great deal of audience participation resulted during an interesting discussion period following his presentation. The literature he brought with him, much of it written by Carnegie faculty people, showed clearly that we need have no fears about the stature of our alma mater.

President Charles Pitney also introduced Alumni Secretary Jack Johnson, who showed colored slides of the new model of the campus. The alumni and guests present were impressed with the revised plans, and anxious to see the new buildings when they get under way.

Columbus

On April 30, the Columbus Clan met at Ilonka's Provincial House and heard guest speaker Dr. B. von Haller Gilmer, head of Carnegie's Department of Psychology and Education. Dr. Gilmer's talk, entitled "Car-

negie's Changing Organizational Personality," was stimulating, and prompted a lively discussion among the 30 members and guests present. We were all much impressed with the vigor and progress at Carnegie evidenced by Dr. Gilmer's optimistic report from the campus. Mrs. Gilmer, a charming addition to the group, was gracious in discussing campus matters during informal conversations after the meeting.

Alumni Secretary Jack Johnson showed slides of the most recent campus model. By Homecoming next fall, the new Hunt Library and the Campus Activities Center will be under construction. The overall success of the ten-year development program made us feel proud of the part we alumni have played in providing support for Carnegie Tech.

Gary

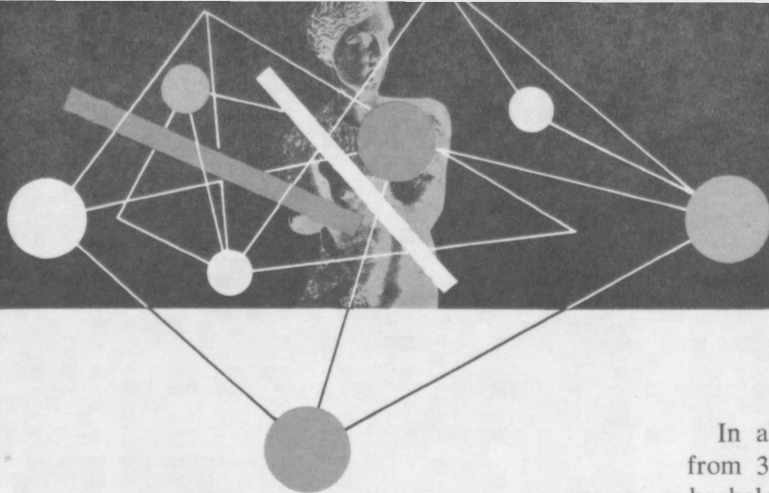
Gary Clan met on May 19 at Lansing Sportsmens Club, taking full advantage of the comfortable surroundings to hear a thought-provoking talk by Professor Earl R. Swank, chairman of the Committee on Financial Aid for Students. The talk was entitled "Are Scholarships Necessary?" and presented an interesting outline of the benefits of Carnegie's financial aid program.

A review of the Development Program, given by Alumni Secretary Jack Johnson, was accompanied by slides of the new and proposed buildings of the program. This served also to remind us of the many familiar landmarks on the campus, and stirred thoughts of Homecoming. Mr. Johnson presented Robert W. Samuelson, IA'55, new associate secretary of the Federation, who was making his first visit to a Clan. Mr. Samuelson just joined the alumni office the day before our meeting.

Four officers were elected during the brief business meeting: Phil Malenock, E'46, president; John Holleran, E'48, vice-president; John Hoover, E'54, secretary; and Bill Burquist, E'49, treasurer. President Malenock was looking forward to his marriage on Saturday, May 23. New life for the Gary Clan!

Classes

(Continued on page 21)



Commencement '59

At eight a.m. the American flag was raised to the top of the staff on the Fine Arts lawn. It was a signal to the initiate, but its message came as no surprise to early risers. The banner rippled blithely in the warm morning air. June 9 was blessed with ideal weather for an outdoor graduation.

At nine-thirty, 4,000 programs were in place on as many folding chair seats between Administration Hall and the Engineering and Science building. By 9:55 the programs were in the hands of an audience of anxious parents, proud relatives, and loyal friends.

Precisely at ten o'clock the skirl of bagpipes sounded across the Mall. Three Kiltie Pipers led the impressive black-robed procession down the grassy center aisle toward the gleaming platform and Carnegie's Sixty-Second Commencement.

Dr. Willard F. Libby, Commissioner of the Atomic Energy Commission, spoke with sobering conviction of "Our Future and The Atom." Bachelor's and master's degrees were conferred en masse; doctor of philosophy degrees, individually by President John C. Warner. Four distinguished Americans were awarded honorary degrees (see Center Section).

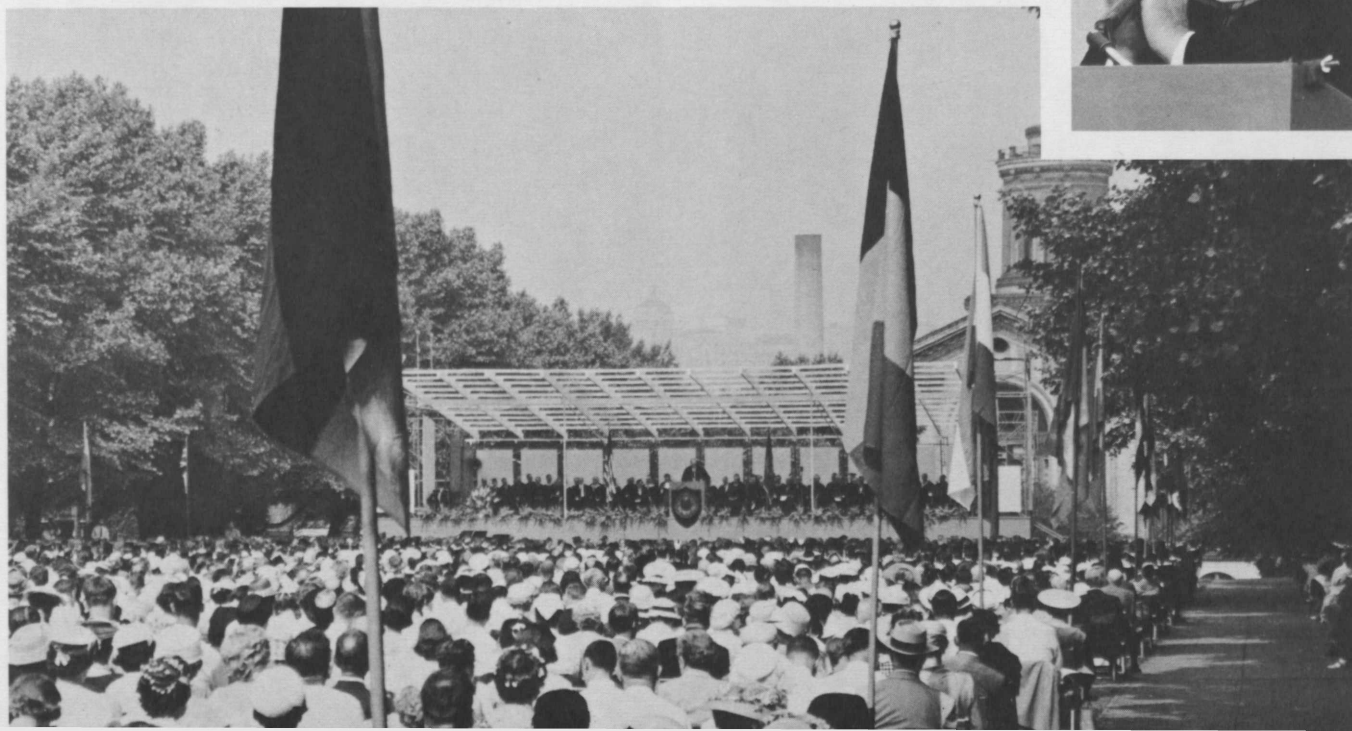
In all, some 700 degrees were conferred. Students from 34 states and 13 foreign countries received 530 bachelor's, 142 master's, and 44 doctor's degrees.

Prior to Commencement, Carnegie's R.O.T.C. detachment commissioned 71 Second Lieutenants at a brisk ceremony in the Fine Arts theater. Major General Rinaldo Van Brunt, Deputy Commanding General of the Second Army, addressed the new officers.

The Baccalaureate service was held the previous evening in the Carnegie Music Hall. Norman L. Rice, Dean of the College of Fine Arts, delivered a provocative address on "Variations On A Principal Theme." And the President's reception followed in the Music Hall foyer.

After the morning exercise, diploma ceremonies were held individually by Carnegie's six schools and colleges. The occasion concluded with informal college receptions. Elderly ladies sipped punch from paper cups, children tried on mortar board caps, parents met profs, family photographers snapped and whirled, and earnest graduates exchanged fond farewells.

In the end most everyone agreed that it had been a sad, happy, touching, sunny and successful Commencement at Carnegie Tech, 1959.



Helen Hayes



**Honorary Degree
Doctor of Fine Arts**

"As a distinguished figure in the American Theater she has accepted the responsibilities of leadership, and has worked, through the various offices she has held in the American National Theatre Academy, for the well-being not of her colleagues alone, but of the whole theater commonwealth.

"Helen Hayes has brought a royal touch to all her roles and has displayed true nobility of mind and heart offstage and on.

"Thus I present to you, Mr. President, Miss Helen Hayes: distinguished exponent of the best in American theater, consummate artist, extraordinary human being."

Public Orator:
NORMAN L. RICE

Willard Frank Libby



**Honorary Degree
Doctor of Science**

"The first man to find atoms of carbon—14 in nature, Dr. Libby founded the technique of radiocarbon dating.

"Dr. Libby is a scientist dedicated to the pursuit and discovery of knowledge and its truthful reporting to our people.

"He has labored long and hard to clarify public understanding of radioactive fallout and combat the ignorance, bias, and sheer emotionalism surrounding that issue.

"For the past five years he has been the shield-bearer and interpreter of the science of atomic energy for our government."

Public Orator:
FREDERICK D. ROSSINI

Mary Louise Milligan



**Honorary Degree
Doctor of Laws**

Colonel Milligan is Director of the Women's Army Corps of the U.S.A.

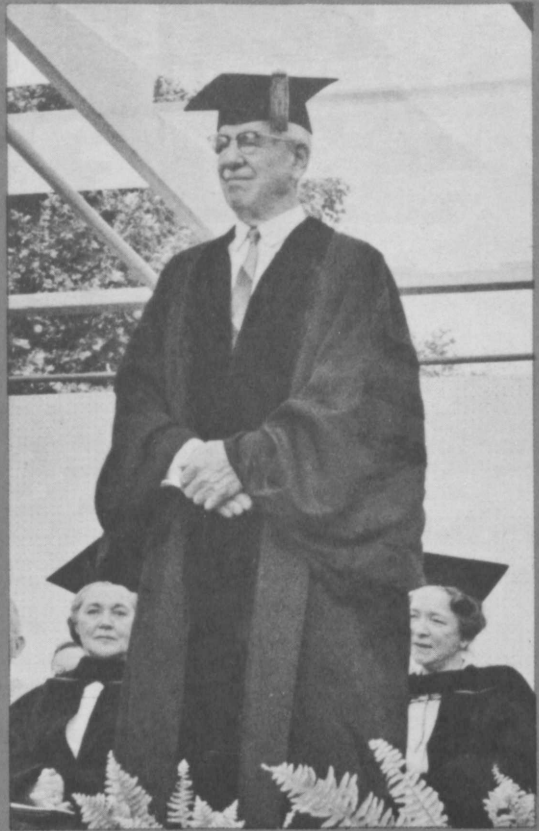
"Since accepting the challenge of her 'date with destiny,' she has advanced steadily through the ranks to the highest position a woman can hold in the United States Army.

"She has pioneered with courage in an uncharted field of women's endeavor; she has faced prejudice with an unfailing sense of humor and unfamiliar situations with resourcefulness.

"It is a great privilege today to honor Colonel Mary Louise Milligan—a distinguished alumna, a good soldier, and a warm and gracious woman."

Public Orator:
MARGARET F. LeCLAIR

Andrew Wells Robertson



**Honorary Degree
Doctor of Laws**

"Mr. Robertson's rise from humble origins to a position of eminence is an exceptional fulfillment of the American vision of opportunity.

"In 1929 he was chosen Chairman of the Board of the Westinghouse Electric Corporation.

"Under his leadership Westinghouse showed deep interest in and concern for education in engineering and science.

"In honoring Mr. Robertson today, we honor a man of character and accomplishment, a man who has set a high example to this generation of college graduates and to all of those to come."

Public Orator:
B. RICHARD TEARE, JR.



Excerpt from Dean Rice's Baccalaureate Address:

"Now I could not in good conscience denounce machines as a bad thing. But I do say that the mind is a better thing. It is an instrument possessed of far greater range and sensitivity than any of the devices it has produced for the purpose of extending its own limits.

"I have heard it said that there is a man-made device which will do many of the chores we once depended on artists to do—such things as arranging notes in sequence, for example, and goodness knows what else. This constitutes, of course, an invasion of the mind's provinces as I have defined it and I suppose I should inveigh against such monstrous notions. But I take the position that the machine's motives are as honest as those of its operators, and I find myself less troubled by the existence of this admirable device that thinks in human terms than I am by the example of human beings who think like digital computers."

Excerpt from Doctor Libby's Commencement Address:

"I would be very happy to know if some of you who have been educated as scientists in this class today were thinking of taking up politics as a career.

"We need scientists in the Congress very badly so that consideration of the scientific aspects of the many difficult national questions can occur in the legislative councils.

"Many of our most vital national decisions have technical aspects which cannot be properly dealt with by advisory scientists for they do not have the responsibility of the decisions which have to be made and, therefore, cannot consider all of the pertinent facts.

"Please think of entering politics as an honorable and rewarding career, particularly if you are interested in science. It would be extremely reassuring to me to know that some of you did have this thought in mind."

COLLEGE OF ENGINEERING AND SCIENCE • COLLEGE OF FINE ARTS • MARGARET MORRISON CARNEGIE COLLEGE • CARNEGIE LIBRARY SCHOOL
DIVISION OF HUMANISTIC AND SOCIAL STUDIES • SCHOOL OF PRINTING MANAGEMENT • GRADUATE SCHOOL OF INDUSTRIAL ADMINISTRATION



Classes

(Continued from page 16)

'08-'20

REUNION CHAIRMAN

Herbert J. Graham, I'19
10 Roxbury Road
Pittsburgh 21, PE 1-9975

Walter C. Bates (E'08), of Painesville, Ohio, a former official at the Diamond Alkali Co., died April 14, 1959, in Lake County Memorial Hospital in Painesville. Mr. Bates, who lived at 29 Chatfield Drive, was manager of the firm's technical services until his retirement in 1955. He was with the company 25 years. He is survived by his wife, Mary, two daughters and three grandchildren.

Hanford Leo Hosey (I'09) died on April 13, 1959. He is survived by two daughters, Margaret E. and Mrs. Thomas F. Halloran and a son, Richard L. as well as by 5 grandchildren. He was an outstanding member of the Carnegie track team and treasured many trophies and medals as mementos of those days.

The Distinguished Service Award of the Chattanooga Section of the American Chemical Society was presented to a past-president of The American Ceramic Society, Everson P. Poste (E'10) in ceremonies held late last year. He is the first to receive the award and was the first registered chemical engineer in the state of Tennessee, being called upon to prepare, give and take the examination. Prior to establishing his own laboratory in 1933, he was connected with various companies and three years ago his own laboratory was merged with the Industrial Research Institute of the University of Chattanooga.

W. F. Glasser (E'10) and his wife sailed on April 9th for a six months tour of the fifteen countries in Western Europe. Upon their return to the United States in November, they expect to locate in Santa Barbara, California.

Burrell Construction and Supply Company has appointed Charles V. Doherty (I'12) as manager of fly ash sales and development at its home office in New Kensington. Doherty, who served 43 years with West Penn Power Company prior to his retirement in December, had charge of the fly ash program at West Penn from its inception and is nationally known in the fly ash industry. He lives at 509 Harrison Ave. in Greensburg, and is a member of Pittsburgh Chapter of Illuminating Engineering Society.

Joseph V. McClaskey (I'13), 67, was buried on March 16, 1959 at Alexandria, Va. He was head of the Virginia Roofing & Sheet Metal Co., Inc. He lived in the Pennsylvania area for 42 years before moving to Alexandria. He is survived by a son, Clyde, and a brother and a sister.

David L. Mathias (E'14) became a consulting research engineer after retirement in

1956. His son, David, received his Ph.D. in 1959. Mr. Mathias lives at 98 Elliott Pl. E. Orange, N. J. His wife passed away at the end of 1958.

Plant Manager J. George Brown (E'14) of the Pittsburgh Plate Glass Co., Works Four Management staff, retired last New Year's Day. He had his first job with PPG 52 years ago when he began carrying water to men in the Old Works Five Casting Hall. He progressed steadily over the years through many responsible positions. He is also very active in civic and church affairs, and lives at 305 Ninth Street, Ford City with his wife. They are the parents of four children and grandparents of eleven.

Sarah and Ben Schwartz sent us a card from Venice, Italy, one of their stops on a lengthy European tour, celebrating their fortieth Wedding anniversary. Ben is owner of the Ben Schwartz Furnace Co.

W. C. Schafer (I'16) passed away in August of 1958. His address was at 105 Sycamore Street, Pittsburgh 11, Pa.

Harold T. Gammon (E'17) recently received a Senior Technologist certificate from Monsanto Chemical Company. He lives at 627 Bedford Oaks Dr., Kirkwood 22, Mo. He served for 16 years at the company's Monsanto, Ill., plant as department supervisor, production superintendent and assistant plant manager. Mr. Gammon was transferred to the General Engineering Department as a chemical engineer in 1936 and joined the Research and Engineering Division in 1954.

Ellis E. Hewitt (E'17) has retired after 48 years of service. He was Director of Research and Development for the Industrial Products Division of Westinghouse Air Brake Company. He joined the WABCO in 1911 as a draftsman, became chief draftsman, chief design engineer and chief engineer for the air brake division. During his career he was sole inventor of 177 patents and joint inventor of 31. In retirement he will manage his Tangletree Farms in Westmoreland County, Pa., where he raises beef and dairy cattle. His daughter graduated from Carnegie in 1944, Elizabeth Hewitt, A'44.

'22

Joseph A. Harvey (I) has retired from his position as Superintendent of Equipment with the Pittsburgh Motor Coach Co. During the summer he is at home at 1529 Avon Place, Pittsburgh 21, Pa. and in the winter he is at 881 Conway Circle, Port Charlotte in Florida.

Mrs. H. Jackson Davis (A) (Mary Lissfelt) has two children, Jackson, 19, and Marianne, 18. The family makes its home at Crossways Farm, Nassau, Rensselaer County, New York. Dr. Davis is Commissioner of Health for Rensselaer County, N. Y.

John E. Kenney's position with Foster Wheeler Corp. changed in October of 1958 with his election to the position of Executive Vice-President. He was previously in Chicago as vice president in charge of mid-west operations. His new job moved him to New York and he lives at 50 Sutton Place, New York, 22.

Mrs. John W. Rogers (Evalyn Josephine Peirson, M) passed away April 24, 1949, in Kirkwood, Missouri.

Nelson P. Rice (A), architect, is president of the Southern California Clan. He reports that his architectural firm has been extremely busy, particularly with a very large project for the Radio Corporation of America in Los Angeles. He is making plans for clan activity in the immediate future.

'23

Appointment of John B. Coleman (E) as Administrator, High Power Transmitters, was announced by the executive vice-president, RCA Defense Electronic Products. In this newly created position Mr. Coleman will spearhead the further development of RCA defense-product capabilities in the high-power transmitter field and utilize his long experience in the solution of transmitter problems. He will also advise and assist other RCA groups in research and development on transmitter circuits and tubes. His office will be located in the Moorestown, N. J., Engineering Plant of Defense Electronic Products and he will report directly to the Executive Vice-President. He has long been active in the Electron Industries Association and various technical societies.

Earl W. Liebermann (I) Ambridge, directs the activities of M. F. Liebermann and Son, sheet metal contractors. He has served for many years as secretary of the Pennsylvania affiliate of the National Sheet Metal Contractors Assn., an organization his father served as president for a number of years.

A meeting the first of the year of the Niagara Frontier Chapter of the American Institute of Industrial Engineers was addressed by Edward A. Brand (E), Western Division sales manager of Niagara Mohawk Power Corp. He has worked with Niagara Mohawk and predecessor companies since 1928.

Services for Raymond F. Schmidt (I) were held on January 3, 1959 in Pittsburgh. He lived at 108 West Shaw Pl., Glenshaw and was a ruling elder of the Elfinwild Church. He was counselor at Allegheny Vocational High School for twenty-two years and is survived by his wife, Garnet.

Mr. Herbert M. Cooley (E) has consented to serve as Carnegie's delegate at the inauguration of Mr. Ben Graf Henneke as president of the University of Tulsa. He makes his home at 1548 South Lewis Place, Tulsa, Oklahoma, and is Assistant Metallurgical Engineer with Bethlehem Steel.

REUNION CHAIRMAN

Samuel E. Bittner, Jr., E'24
150 Meadowbrook Drive
Bethel Park, TE 5-4947

'24

Guest speaker at a PTA meeting in Painesville, Ohio, was C. C. Brumbaugh, (E) vice-president of Diamond Alkali Co. Addressing parents on "Youth, Education and Industry," he discussed the importance of adequate education to both industry and the community as a whole. With DACO Mr. Brumbaugh carried out engineering assignments at the Fairport works before being appointed director of research in 1950. He

was later made director of engineering where he served until appointed to the vice presidency. The author of several technical papers, Mr. Brumbaugh has been active in community and school events for many years. He lives at 177 Heisley Rd., Painesville.

Harold F. Rowley (E) is managing director of Nicholson File Nederland N. V. and lives at Pettelaarseweg 69, Hertogenbosch, Nederland. His son is Stephan B. Rowley, Architecture, '57, and daughter, Leslie E. Rowley, MM, '59.

'25 Joseph S. Schuchert, manager of the commercial sales division of the Duquesne Light Co., and widely-known Pittsburgh area civic leader, was guest speaker at the annual dinner meeting of the Muskingum County Red Cross Chapter in March. Mr. Schuchert joined Duquesne Light in 1925. He is a member and past officer of a number of trade associations, engineering societies and civic groups of Pittsburgh and has received high recognition in the engineering field and Boy Scouting in which he has long been active. He has been a driving force in countless successful Red Cross and other fund-raising campaigns in Pittsburgh.

G. A. Allerton (I) is a technical engineer with the Corps of Engineers, U. S. Army, and lives at 7213 Dunmar Ct., Baltimore 22, Md. He reports that his years at Carnegie plus his years of practical experience have definitely paid off.

Joseph N. Good (E) passed away on January 2, 1959. He had been Regional Manager with the Suburban Propane Gas Corporation at Whippany, N. J. At the time of his death he lived in Morristown, N. J., and is survived by his son, George F. Good (E'53).

'26 Paul McGrath (A) in his second semester at Carnegie dropped one engineering course for a drama course and drama became dominant. He made his Broadway debut in a play called "Made in America" which failed to achieve success. He then joined road companies of shows which had made the grade on Broadway and gained valuable experience which stood him in good stead when he won roles in companies with Helen Hayes, Gertrude Lawrence, etc. Since then, he has appeared in movies, T.V., and radio, with the latter taking up most of his time now.

Reginald Rowley (I) is assistant district engineer, American Bridge Division, with the United States Steel Corporation, with offices at 71 Broadway, New York. To our request for news for the *Alumnus* he reports: "None—The class of '26 grows older quietly and gracefully, living out its scattered existence with dignity and reserve." He sends his best wishes for the complete success of the development program.

John S. Osler (A), prominent commercial artist, died in April of 1959. He was a member of the firm of Gilchrist & Osler and had operated studios in Detroit since 1935. He had handled advertising accounts

for all the major automotive companies. He was a charter member of the Bloomfield Village Volunteer Fire Department and a member of the Orchard Lake Country Club. He is survived by his wife, the former Genevieve Webster (A, '26), a son, John, and one grandson.

'27 Paul M. Williams (E), general agent for the Aetna Life Insurance Company at Indianapolis for the past fourteen years, has announced his retirement, effective March 1. He was a sales engineer for several years before joining the Aetna Life organization at Chicago in 1933. A chartered life underwriter, he served in Chicago as a representative, supervisor and assistant general agent before being appointed general agent in 1945.

Max B. Nobel (I) is "self-employed" at the Merallen Coke Company and makes his home at 212 Barth Ave., Pittsburgh 28, Pa. His son, Sanford, is a college graduate, and daughter, Carol, is a freshman.

William G. Forster (PM) has been named secretary-treasurer and general manager of Terminal Printing Co., Inc. Terminal plans to launch a program of equipment expansion in both letterpress and offset departments. Forster has had many years experience in the graphic arts field, and was formerly president of Herbeck & Held Printing Co.

'28 Formation of a new European sales organization for Du Pont textile fibers, including "Orlon" acrylic fiber and nylon, was announced in April by the European director of E. I. Du Pont de Nemours & Company of Wilmington, Delaware. The sales organization will be part of Du Pont de Nemours International, S. A., which was established earlier in the year in Geneva by the Du Pont Company. Ambrose W. Staudt (E), technical service manager for "Orlon" in Wilmington, Delaware, has been appointed technical manager and will move to Geneva shortly. He joined Du Pont in 1928, worked on the development program for nylon and then held supervisory positions in manufacturing and technical service for textile fibers.

I. Newton Cowan (I) has been superintendent of Schools in Roselle Park, New Jersey, since July of 1958. He is at present in Alexian Brothers Hospital recovering from a heart attack which he suffered on April 8, 1959. He makes his home at 114 E. Webster Avenue, Roselle, Park, N. J.

"Seeing As An Artist" was the topic of an address which Mrs. Mary Shaw Marohnic (A) gave at a meeting of the Twentieth Century Club earlier in the year. She is a portrait painter and a charter member of the Water Color Society. Mrs. Marohnic has shown her paintings in countless exhibits, and teaches arts in the district. She recently started offering a ten-week course at the Fletcher Art Center, east of Greensburg, Pennsylvania.

Mrs. Ross McK. Gill (Louise Koenig, M) has moved from Plainfield, New Jer-

sey, to 8307 Cheltenham Ave., Philadelphia 18, Pa. Her husband, Dr. Ross M. Gill, was elected Superintendent of Schools, Cheltenham Township, Pa., and began his duties October 1, 1958. He had been superintendent for 5 years in Plainfield, N. J. She lists her occupation as housewife.

'31 Dr. Karl L. Fetters (E) has been elected vice president, research and development, by the board of directors of The Youngstown Sheet and Tube Co., Youngstown, Ohio. He is a native of Alliance, Ohio, and holds the degree of doctor of science from Massachusetts Institute of Technology. He first joined the company as open hearth metallurgist in 1936, held various positions with the company and teaching positions at Carnegie. He became assistant vice president in 1956 and has written many technical articles and papers.

Dr. Marvin Fox (E), a nuclear scientist with wide experience in the reactor development field, has joined the technical staff of Atomics International, a division of North American Aviation, Inc. Prior to joining Atomics International, Dr. Fox was vice president of the Internuclear Company in charge of foreign operations. This included the direction of nuclear engineering consultant services to SENN (Societa Elettro-nucleare Nazionale) for the nuclear power plant to be built in southern Italy. He is a native of Cleveland and has five children.

Mrs. Annabel Kenyston Confer (A), training director of Joseph Horne Company, addressed the Woman's Club of Oakmont, Pa., at their March meeting. She lives on Mt. Carmel road, Penn Hills and is a member of the American Society of Training Directors and of the Pittsburgh Personnel Association. In her talk she discussed the features that a good shopper should look for when making purchases.

James H. Dodge (E) has been named sales manager of specialty steels by Latrobe Steel Company. He was promoted from the position of Detroit district manager for the firm. Mr. Dodge joined Latrobe Steel in 1934 as a metallurgist after having been employed at the Pittsburgh Testing Laboratory and has been progressively promoted since that time.

Eleanor Lemon (M) was found dead in her apartment in Washington, D. C., on February 17, 1959. She is survived by her brother, John W. Lemon, of Royal Oak, Michigan.

The Willard J. Perkins family (A'21 and Edna McCullough, A) lives in a rural setting near Finleyville, Pa. Edna is a homemaker and they have a son. Willard is a registered architect and acting head of the Planning Department at the University of Pittsburgh as well as maintaining a busy private practice.

'32 "The Contemporary Crafts" was the topic used by Harold J. Brennan (A) when he addressed a luncheon meeting of the Rochester, N. Y., Zonta Club. Designer, artist, teacher and craftsman, he is the head

of the School for American Craftsmen at the Rochester Institute of Technology. After graduating from Carnegie he did graduate work at Harvard University and the University of Paris.

The New Jersey State Department of Institutions and Agencies has appointed Harvey A. Collins (PM) on its Use-Advisory Council, which deals with the products manufactured by convicts in State Prisons and sold to State and County agencies. Among these industries are print shops where his knowledge of printing will be very helpful. He is head of Samuel Collins



Marvin Fox, E'31

& Son, Jersey City printing firm and has never held a government post but sits on the board of managers of the Intercollegiate Branch, Y.M.C.A. and the Whittier House Boys Club.

"Missiles, Satellites and Spacecraft" was the subject of an address presented at a meeting of the Brentwood Century Club recently. The speaker was Carl L. Long (E) of 55 Scout Avenue, Carrick, Pa., a consulting electrical engineer. He is a national director of the Air Force Association, an independent, non-profit, air-power and air education organization.

An industrial executive who recently made a trip to Russia for the U. S. State Department was the speaker at a meeting of the Eaton Aircraft Division Management Club the first of the year in Battle Creek, Michigan. T. W. Lippert (E) director of marketing for Titanium Metals Corp. of New York City discussed the place the United States holds in the scientific race with Russia.

"A stroke of genius" is the phrase used by McKeesport, Pa., Superintendent A. O. Horn in describing the dining and service areas in the plans for the city's new high school designed by Celli-Flynn, architects. The firm is headed by Mario C. Celli (A) and William V. Flynn (A, '35).

Dr. Howard S. Seifert (E) has been appointed Special Assistant for Professional Development of Space Technology Laboratories, Inc., according to a recent announce-

ment. He is a visiting professor at the University of California at Los Angeles and before joining Space Technology Laboratories in 1954, Dr. Seifert was chief of the liquid rocket section at the Jet Propulsion Laboratory at Cal Tech. He was recently elected vice president of the American Rocket Society, is married and the father of three children. The family resides in Playa del Ray, California.

Lottie B. Helwick (A) established her own architectural practice in Cleveland, Ohio, in 1956. She practices in residential architecture, exclusively, and is located at 20500 Halifax Road, Cleveland 22, Ohio. She was formerly with Mellenbrook, Foley & Scott, Architects in Berea, Ohio.

Eugene Jarema (E) has three girls in his family: Maryadele, 7, Jeanne, 2, Linda, born January 20, 1959. U. S. Army Signal R & D Labs, with which he is connected, have had a substantial reorganization of their laboratories with emphasis on increasing their own internal basic research efforts. Gene hastens to add that this does not mean that their laboratories will not continue to support good programs at Universities and private basic research institutions. He is at home at 409 4th Avenue in Belmar, New Jersey.

Howard N. Maxwell (E) is Chairman of the Department of Physics at Ohio Wesleyan University and currently Chairman of the Ohio Section of the American Physical Society. Among other positions he holds are: Membership Vice President of Section E of the Ohio Academy of Science, Executive Vice-President of Section E after April 10, 1959, Secretary of the Faculty Personnel Committee, and he is very active in Church work. His son, Robert, is a sophomore in psychology at Ohio Wesleyan and daughter, Mary, a sophomore in high school.

The next scheduled step in Pittsburgh's plans for building a "new central city" will be redevelopment of the North Side area, located across the Allegheny River just north of the city's downtown "Golden Triangle." Studies, base maps and analyses are currently being prepared by Allegheny Center Planning Associates, including Dahlen K. Ritchey Associates (A), Pittsburgh architects.

33 I. J. Karassik (E) has been appointed Consulting Engineer and Manager of Planning for the Worthington Corporation, Harrison Division. Formerly Consulting Engineer and Assistant to the Vice President, Mr. Karassik will act as Consulting Engineer to all departments in the Harrison Division in his new assignment.

Charles C. Richiusa (E), of 109 Blackthorn Dr., St. Louis 23, Mo., has joined the research department of Monsanto Chemical Company's Research & Engineering Division at Dayton, Ohio, after serving with the Organic Chemicals Division at St. Louis.

John C. Lightfoot, 2680 Coventry Road, Columbus 21, Ohio, has agreed to act as a delegate for Carnegie at the inauguration of Lynn W. Turner as President of Otterbein College. He is the owner of Lightfoot Pump and Equipment Co. in Columbus.

E. L. Stentz has been named general production manager of the Ohio Boxboard Company's Rittman operations. He will direct all manufacturing and plant engineering activities at the largest plant of its kind in the country. Stentz was with U. S. Steel until 1947, when he joined Boxboard's engineering department. In 1954 he was named plant engineer.

The last Broadway vehicle in which Thomas B. Gorman (A) appeared was "A Shadow of My Enemy." His last tour was in "No Time for Sergeants." He has also been in the DuPont Show of the Month, Playhouse 90, Search for Tomorrow, Phil Silvers Show, Love of Life and numerous other shows. His home is at 149-31 21st Avenue, Whitestone 57, New York.

REUNION CHAIRMAN

Richard I. Enzian, E'34

2622 McCrady Road

Pittsburgh 35, PE 1-1589

'34 Packaged Parties are James Lindsay's (A) product and a recent article in the Pittsburgh Press magazine section goes into much greater detail to describe some of the parties—fancy ones—that he has planned. After leaving his post at Carnegie Institute, where he had been chief of design and exhibits for the Museum and Fine Arts Departments for nearly ten years, Jim went to Florida where he found a market for his parties. He and his wife, Marion, now run the Village Studio, a dancing school in Pleasant Hills, and Jim conducts his party-making business there, having decided he prefers Pittsburgh to Florida living.

Dr. Jean S. Browne (Jean Speller, A) is Chairman of the Speech Department at Tyler Junior College, Tyler, Texas. She married after leaving Carnegie, has three children and her husband is now deceased. She received her M.F.A. at the University of Texas and Ph.D. at the State University of Iowa and taught at both universities before affiliating with Tyler Junior College. Her home is at 811 W. 9th Street in Tyler.

William A. Bostick (PM) is assisting Wayne State University Press as design consultant. He is secretary of the Detroit Institute of Arts and is in charge of designing all its museum publications. Mr. Bostick holds an M.A. degree from the fine arts department of Wayne State. Some of his work has been represented in the Fifty Books exhibits of the American Institute of Graphic Arts.

'36 Glen W. Fulmer (E) has been named Manager, Service Engineering, for the controls division of Hagan Chemicals & Controls, Inc., Pittsburgh. Mr. Fulmer's new post includes responsibility for service work on all controls division products including the recently acquired line of Kybernetes electronic data handling systems. He has been associated with Hagan since 1948 and lives on Scheffield Drive, Rosslyn Farms.

Franklin E. Snyder (A), general manager of WTAE, Channel 4, since April, 1958, has been elected vice president of Television

City, Inc. Television City operates WTAE, which started commercial broadcasting on September 14, 1958, and Snyder will continue his work as general manager. He lives in Fox Chapel and is a native Pittsburgher.

Mrs. Thomas A. Marshall (Anne Ferguson, M) brings us up to date with her note. They have moved permanently to Ft. Lauderdale and have three daughters, 20, 19, and 10, one granddaughter and one grandson. Their new address is 678 Middle River, Ft. Lauderdale, Fla.

37 John W. Boone (E) has been named Manager, Management Data Control, at the Owego plant of the International Business Machines Corporation. He joined IBM in 1951 as a Technical Engineer in optics and a year later was named Associate Engineer. His rise in company ranks was steady and in May, 1957, he was assigned to the general manager's staff in charge of Management Data. He has just been promoted from that position. The Boones make their home at Crestview Heights, RD No. 1, Endicott, N. Y.

Mrs Martin F. Walsh (M) Claire Frederick) and her family have moved from the St. Louis area to 224 Orchard Rd., Biltmore Estates, Barrington, Ill. They have a large house overlooking a small lake and their three daughters love living there.

Harry J. Portzer (E), a returnee to the Linde Tonawanda Laboratories, a Division of Union Carbide Corporation, is presently Manager, Production, Molecular Sieves. Prior to his transfer to the Linde Speedway Laboratories in 1954 where he held the position of Manager of the Engineering Laboratory, he was a Division Engineer in charge of Chemical Engineering Development at Tonawanda. He joined the Linde Company Tonawanda Engineering Laboratory in April, 1939.

I. Melvin Palley, (E) senior vice-president of Temco Aircraft Corp., has been elected national vice president of the Institute of the Aeronautical Sciences, a professional group of scientists in the aircraft and space vehicle field. He and the other new officers were installed at the organization's annual meeting in New York City on January 27.

Early this year the vice president of Food Machinery and Chemical Corporation announced that S. Philip Marcus (E) had been appointed business manager of Central Research. He is administrator in charge of Central Research Lab in Princeton, N. J., and Special Projects Lab in Buffalo, N. Y. His office is in the Princeton laboratory. Marcus has been with Food Machinery and Chemical Corp. for twenty years and lives at 1512 Stuyvesant Ave., Trenton, N. J.

38 John G. Wehn (E), Division Manager, St. Joseph Lead Company, Zinc Smelting Division, Monaca, was guest speaker at a recent meeting of the Beaver Valley Chapter of the National Association of Accountants. His subject was "Accountant Producers or Parasites?" Wehn has been

employed by the St. Joseph Lead Company for twenty years and makes his home in Monaca, Pennsylvania.

Appointment of Robert J. Durst (E) to the position of vision engineer at Mesta Machine Co. has been announced. He started with them in 1934, is married, has two children, and lives in Munhall, Pa.

A twelve-year veteran with Peoples Natural Gas Co., William R. Gartz, 606 Boggs Avenue, was appointed industrial sales manager the first of the year. He is chairman of the Ferrous Metal Committee of the American Gas Association.

REUNION CHAIRMAN

Lester R. Smith, E'39

5818 Marlborough Avenue
Pittsburgh 17, HA 1-3575

39 "Tool Steels" was the subject discussed by Dr. George A. Roberts (E) at a meeting of the American Society for Metals, Southeast Ohio Chapter, held at the Berwick Hotel in Cambridge, Ohio. He is an outstanding authority on the subject of tool steels and is vice president, Technology—Vanadium-Alloys Steel Company of Latrobe, Pa. He was National President of ASM from 1954 to 1955 and is co-author of the ASM book "Tool Steels."

Having completed two years spent in Libya working on hospitals, schools, etc., Joseph T. Gemmi (A) has returned to the United States and is living at 230 Parker Rd., Elizabeth, N. J. He is an architect associated with the firm of Kelly & Gruzen, with offices at 10 Columbus Circle, New York. His entire family was with him in Libya and they found the life very interesting.

Cecil H. Chilton (E) was recently elected treasurer of AACE. He is Senior Associate Editor of "Chemical Engineering," McGraw-Hill Publishing Company, and for formerly a chemical engineer with Socony Mobil Oil Co. and E. I. DuPont de Nemours & Co. There now are more than 600 members in AACE (see November *Alumnus*, Page 17).

John M. Depp (E), St. Louis, has been appointed director of engineering of Monsanto Chemical Company's Inorganic Chemicals Division at St. Louis, after serving as director of manufacturing for that division since 1957.

A Ford Foundation grant will give John Vlahos (A), the prominent television writer, a production of his play, "The Golden Age of Pericles Pappas," at the Tulsa, Oklahoma Community Theater in the fall.

40 The appointment of Belknap Freeman (E) as engineer of communications and signals of the Northern Region of the Pennsylvania Railroad has been revealed. In his new position Mr. Freeman will be in charge of the PRR's regional signal system and all communication, as well as supervise the installation of centralized traffic control on the main line. He has been an employee of PRR since 1941 and his first railroad work was in his native New York City. He makes his home at 125 Parkside Ave., Buffalo 14, N. Y.

Bruce Buttles (PM) writes that his children are acquiring Scotch accents from attending school in Calcutta, India, with the sons and daughters of the many families from Scotland—mainly Dundee and Aberdeen. They will thus be ready for the Tech Tartan with the proper background. He is United States Consul and lives at 5/2 Harrington St. in Calcutta.

Mr. and Mrs. Sherman Beck (A) announce the birth of Linda Ruth on December 31, 1958. They make their home at 340 East 66th Street, New York 21, N. Y. and Sherman is head of Sherman Beck Associates.

General Superintendent of the Zinc Smelting Division of St. Joseph Lead Co. is C. D. Henderson (E). The position has assumed added importance since entry of the company into the manufacture of zinc for die casting as well as the production of slab zinc for the galvanizing and brass industries.

The vice-president in charge of manufacturing at Harbison-Walker Refractories Co. has announced the appointment of Carl A. Tate (E) to the position of assistant to the executive vice-president. He was promoted from general district superintendent and, prior to joining Harbison-Walker, was employed by the Pennsylvania Railroad in Pittsburgh and Washington, D. C.

Wm. H. Statler (E) has recently been promoted to Chief, Advance Systems Research, at Lockheed Aircraft. He and his wife (Dorothea H. Weber, M) make their home at 9300 Encino, North Ridge, California.

The appointment of Charles B. Russell (PM), of Randolph, Vermont, as technical account executive, advertising and public relations, was made known in February by S. Gunnar Myrbeck & Company, Inc., industrial advertising specialists. Russell has been engaged in writing and consulting work during the last two years and his most recent assignment was with the U. S. State Department, ICA, as a technical consultant in Southeast Asia. He had previously been associated with leading New York and Dallas agencies.

The members of the law firm of Frease & Bishop, Canton, Ohio, have announced the addition of two new members to their staff, Lee P. Johns (E) and George E. Schick. The firm will, in the future, be known as Frease, Bishop, Johns & Schick, with offices in the Harter Bank Building.

In December, 1958, Charles W. Hopkins (E) moved to Kansas City, Missouri, to assume the position of development engineer with Bendix Aviation Corp. The Kansas City Division makes electronic parts for the A.E.C. The Hopkins live at 6103 Fairlane Drive, Kansas City 34, Mo.

Mine Safety Appliances Company in Pittsburgh has employed George T. Henderson (E) since 1937 and recently named him sales engineer for the Los Angeles territory of the recently expanded Technical Products Division. He provides design assistance and counsel on the installation and maintenance of instruments and process controls for industry in the area.

Men in the News



J. K. Rice, E'44



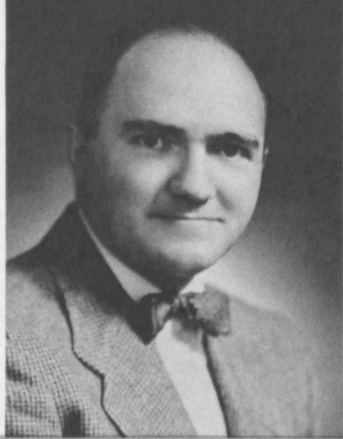
W. S. Perkins, Jr., E'48



R. L. Hoffman, E'49



Robert Teasdale, E'46



J. W. Boone, E'37



C. P. Haber, E'48



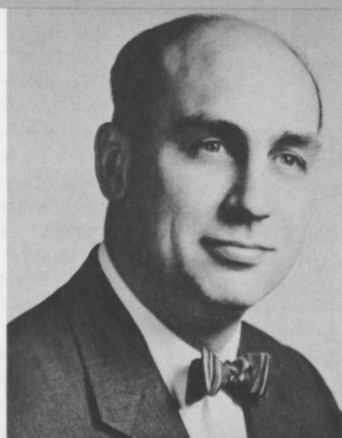
I. J. Karassik, E'32

Class Notes

Personalities



W. R. Gartz, E'38



C. M. Weil, E'41



J. M. Golden, E'41

'41

While on R.O.T.C. duty Robert B. Campbell (E) earned his B.A. in economics from Washington and Jefferson College in Washington, Pa. He is now Executive Officer of 22nd Infantry, 4th Division, Ft. Lewis, Washington.

Hooker Chemical Corporation and Hooker Chemicals Limited have appointed Leslie H. Schnurstein (E) works manager at the North Vancouver plant. He has been production superintendent at that plant. Mr. Schnurstein first joined Hooker as a chemical engineer, interrupting his engineering career with four years service in the U. S. Army. Rejoining Hooker, he was successively a chemical engineer, technical foreman, and, in 1951-6, chemical engineer on special assignment in the executive offices. He was appointed production superintendent at North Vancouver in February, 1956. Mr. and Mrs. Schnurstein and their two daughters live at 604 The Dell, North Vancouver, British Columbia, Canada.

Edward Hunt (A), the former Playhouse actor, has been signed for a role in the New York City Center's up-coming revival of "Say, Darling" with Orson Bean and Mindy Carson.

Governor Lawrence of Pennsylvania has appointed William R. B. Froelich (E) of Pittsburgh as chief deputy secretary of highways. Since January of 1957 Froelich has been executive director of Pittsburgh's Public Parking Authority.

Mrs. Herman Laub III (Louise McCullough, M) is now a homemaker living in San Gabriel, California. Her eldest daughter has graduated from high school and plans to attend college in the fall. Louise is active in community work, particularly Girl Scouts and Parent Teachers Associations.

Another step toward full autonomy for the big new western division of Titan Metal Manufacturing Company, was made known the first of the year with announcement of the appointment of James M. Golden (E), Menlo Park Division Manager, as Vice-President, Western Division. In his new post Golden will direct all Titan activities of the eleven western states. Mr. and Mrs. Golden and their three children make their home at 131 Mimosa Way, Menlo Park.

Members of the Associated Artists of Pittsburgh, who got their first chance this year to vote a prize-winner in their annual show, found they almost agreed with the public which has been voting for several years. Both groups selected the same artist but different works. The public chose "Sophia," a portrait by Daniel L. Kuruna (A) and the artists picked "Suzanne" and awarded Daniel the \$200 offered by the Pittsburgh Bicentennial Committee of Fine Arts as a special Bicentennial year salute to the local group of artists. Another honor has come his way with his selection as one of 100 young artists from all over the country who were invited to show their work in the "Art: USA: 59" exhibit at the Coliseum in New York City.

The appointment of Dr. Carl W. Weil as

assistant manager of the Bridgeville plant of American Cyanamid Company has been announced by the Plastics and Resins general manager. He has been a member of the company since 1956 and is a member of the American Institute of Chemical Engineers and the American Chemical Society. He lives at 1167 Firwood Drive, Mt. Lebanon with his wife and three children.

'42

Mrs. Daniel W. Cannon (Ann Marshall Price, A) reports that they have moved to 402 Park Street, Montclair, New Jersey, and would enjoy hearing from schoolmates in the area.

Irwin Cozier (PM) has recently advised us of his acceptance of employment with the Washington Planograph and Graphic Arts Press in Washington, D. C. His current address is 1001 Hamilton Street, N.E., Washington, D. C.

Charles E. Kaufman (E) of Green Tree has been appointed purchasing agent for Hagan Chemicals & Controls, Inc., Pittsburgh. Mr. Kaufman had been assistant purchasing agent since July of 1958 and had previously served as director of research for the Hall Laboratories Division and later as manager of chemical product development for Hagan.

A promising career suddenly ended with the death of William A. Johnson (E) of Oyster Bay, New York. He was an engineer and a lawyer in partnership with J. C. McGregor. He was a director for the Gap Instrument Co. and Air Seco and an officer of Nardo Microwave Corp. He leaves his wife, Thelma; two daughters, Alexis and Janis; a son, Jeffrey; and his parents, Mr. and Mrs. Alex Johnson of Dannemora, N. Y.

Mrs. Carl A. Benscoter (Alice Woods, M) has moved to Whitesboro, New York, near Utica, where her husband is vice-president of Mohawk Airlines. They have five children, four girls and one boy, and live on Garden Lane, Whitesboro.

In addition to serving as professor of Art at the College of St. Catherine in St. Paul, Minnesota, for the past three years, Peter Lupori (A) has been creating contemporary Stations of the Cross, a life-size crucifix and Madonna, a small St. Joseph, and other art objects for the Church of the Holy Childhood, St. Paul.

Dr. L. L. Seivard (E) has been named director of research—organic pigments for American Cyanamid Company's Pigments Division. He will be responsible for research and development of new colored pigments and has been with Cyanamid since 1952, when he joined the company as a development chemist. Prior to his present association he was employed by E. I. DuPont de Nemours & Company and Shell Chemical Company.

Ruth Siefert Phelps (A) 2621 Reese Ave., Evanston, Illinois, is organist at the Edison Park Methodist Church in Chicago and was heard in a recent recital on the church's new organ. She is the wife of Dr. Leland R. Phelps, assistant professor of German at Northwestern.

Walter E. Dyck, Jr., has been appointed assistant plant manager at the Ford City, Pa., plant of Pittsburgh Plate Glass Co. He joined the Industrial Engineering Department of Works No. 4 after serving in the Armed Forces during World War II. He has been tank superintendent for the past two years. Mr. Dyck is a member of the Glass Division of the American Ceramic Society.

'43

The world premiere of "The Sons of Aaron," a lyric drama with libretto by Ray Smolover (A), was presented by the Opera Theater of Westchester, N. Y., under the auspices of the Opera Theater Society in February of this year. Mr. Smolover, who is cantor and music director of the Jewish Community Center, is founder and director of the Opera Theater of Westchester. He has sung leading tenor roles with the New York City Center Opera Company, the St. Louis Municipal Opera Company, the New England Opera Theater and at Tanglewood. He has also appeared with the leading philharmonic and orchestral societies in the east and prepared the libretti for numerous works.

Alfred N. Krebs (E) is employed as Senior Engineer by the Martin Co. in Orlando, Florida. He, his wife and two children, Freddie and Carolyn Louise are enjoying life in Florida and live at 2061 Temple Drive, Winter Park, Fla.

John K. Kuenzig (E) has been named superintendent of the Brier Hill coke plant of the Youngstown Sheet and Tube Co.

The Richard D. Kings (Jean Phipps, M) have left Palo Alto, Calif., for a year's duty in the desert, "an odd spot for sea duty, but aviators seek good weather." C.I.T. people in the Imperial Valley will find her at 857 Euclid Ave., El Centro, Calif.

Mrs. E. Rusch Lochhead (Lucy Frank, A) has concentrated her spare-time energies on crafts and teaches a course in basic design at the Arts and Crafts Center twice a week. A feature article titled "Cure-Alls for Cabin Fever," which appeared in the Pittsburgh Press Women's Section on March first, contained a section devoted to Mrs. Lochhead's prescription for combating this common housewives' ailment. The major part of her time is devoted to her thirteen-year-old twin daughters and the family makes its home at 1043 Lancaster St., Pittsburgh 18, Pa.

Having joined Bettis plant in 1954, Walter Schwartz (E) is working on the development of nuclear fields. He has been named a supervisor in the Metallurgy Section of the PWR Project at the Westinghouse Atomic Power Division in Pittsburgh.

'44

The appointment of Edward A. Loria as development manager, high temperature and corrosion resistant alloys, for Climax Molybdenum Company, a division of American Metal Climax, Inc., was announced the first of the year by the vice president, sales. His headquarters will be in Pittsburgh where he will coordinate material developments involving molybdenum in the

rapidly expanding area of super-duty steels and alloys.

Henry W. McRobbie (E) joined the Tonawanda Laboratories of the Linde Company, a Division of Union Carbide Corporation, and is now a member of the New Market Research Section of the Research Laboratory. Prior to joining Linde he was active in research for the Mellon Institute in Pittsburgh, Pa. From 1944 to 1946 he was employed by the Pan American Refinery Corporation at Texas City, Texas.

Promotion of James K. Rice (E) from Vice President and Director of Service to President and General Manager of Cyrus Wm. Rice & Company has been announced by the company. The company is a nationally known engineering firm specializing in industrial water quality control. He is active in several technical societies and he and his wife, the former Mary Forman (M'45) and their two children live in Green Tree, Pittsburgh, where Jim is chairman of the Green Tree Borough Planning Commission.

'45 A Carnegie graduate and Westinghouse scholar, now professor of Physics at Stanford University, George E. Pake (E) was honored in January by the California Junior Chamber of Commerce as one of the five outstanding young men of 1958. He was formerly associated with Washington University in St. Louis, Missouri.

The address of the David Greens (Elizabeth Langan, A) after June first, will be 3117 Jackson St., Cheyenne, Wyoming. They have been in Chapel Hill, N. C., where her husband has been working on his Master of Sanitary Engineering Degree. He is Public Health Engineer with the State Health Department in Wyoming.

An early indication of spring was the show which Helen Wright (M), fabrics consultant for the Joseph Horne Company, presented at the February meeting of the Junior Women's Club of Brentwood.

'46 The Rochester Clan has some attractive candidates in the members, junior type, of the Woodward family (Jeanne Powell, M). They live at 14 Drury Lane, Rochester 10, New York, but are planning to build a larger home in the near future to accommodate the family: Kenny, 6, Douglas, 5, Stewart, 3, Amy, 2, and twins Betsy and Nancy, 2 months.

Sidney J. Gerhardt (E) has been transferred to the New York Office of H. L. Green Company, Inc., and is now Special Assistant to the President. His new address is 22 Beverly Road, Great Neck, Long Island, N. Y.

Dr. Robert D. Teasdale (E) has been named assistant head of the systems analysis department of Hughes Aircraft Company's Ground Systems Group. He joined Hughes from Melpar, Inc., of Falls Church, Va., where he had been staff assistant to the chief engineer. He was previously associated with La Salle College in Philadelphia, Georgia Institute of Technology and Illinois Institute of Technology.

Wallace P. Prass is the co-producer of "Policewoman," a half-hour weekly dramatic series emanating from Detroit and aired each Saturday. It represents the first live dramatic production in Detroit's television history. He is the president of Cornell & Prass Associates, the largest public relations firm in Detroit representing the entertainment industry.

Joseph P. Franz, Jr. (E) has been named supervisor, control and analysis, in the advanced development department at the Westinghouse Bettis Atomic Power Division in Pittsburgh. He joined Bettis in 1949 and is working on the design of reactor controls and analysis of plant performance for advanced reactor plants. Franz, his wife and their daughter live at 311 Old Clairton Rd., Pittsburgh 36.

'47 Michael V. Krenitsky (L) assistant librarian at Texas A. & M., is on a three month assignment as university libraries consultant to the Indonesian government. The assignment is under the sponsorship of the International Cooperation Administration of the United States State Department.

Evalyn Karns (M) is now Mrs. Emil Brendel, 4810 Cherry Street, Erie, Pa. After graduation from Carnegie she followed her employment at Joseph Horne Co. with seven years of service with the Pittsburgh Board of Education as a school lunch manager. She then joined the United Foods Management Services, industrial caterers, as District Dietician for the Pittsburgh and Allegheny area. Following the death of her first husband, Russell E. Ayers, she was transferred to Erie as an Assistant District Manager. During the summer of 1958 Evalyn was married to Emil Brendel and they spent their honeymoon in Europe. She has resigned from professional dietician ranks and joined that of housewife.

Mrs. Robert B. Anderson (Janet Whitney, M) is living in Heidelberg, Germany, at 14 Helzweg, Handschuhein, Heidelberg. Her husband, Bob Anderson, is an opera singer with the Augsburg Opera Company and they have a son, Lincoln.

Robert D. Everett's (E) new promotion to the post of general superintendent of the Melrose Park, Ill., Works of National Malleable and Steel Castings Co. became effective on January 5, 1959. Everett lived at 508 Lillian Drive in Sharon, Penna., but plans to make his permanent home in Melrose Park. He was previously finishing department superintendent of the Sharon Works, where he started his career in the metallurgical department.

Dr. Arthur Weinberg (E), a resident of New Shrewsbury, N. J., has been appointed vice president and group manager, public relations department, G. M. Basford Co., an advertising agency. He is a member of the American Chemical Society, New York Chemists Club, the Society of Plastics Engineers and the American Philosophical Association. Dr. and Mrs. Weinberg and their four sons live at 56 Thayer Drive in New Shrewsbury.

England was the March destination of Helen Kabell Hunyady (M). Her husband is in the Air Force and they left with their son, Michael Joseph, for a three year tour of duty.

The Clayton Wolfs have announced the marriage of their daughter, Julia May, to Herbert Hans Schiller (E) on Saturday, the fourteenth of March. The wedding took place in St. Paul's Chapel, Columbia University, New York City.

Since joining Bell Telephone, Arden A. Balogh (E) has climbed rapidly through the engineering ranks into Personnel Administration and has recently been appointed the District Plant Superintendent for the area covering Eastern Delaware County in Pennsylvania. In his new capacity, he will head a telephone organization of 275 men and women and direct the operation of a multi-million dollar plant investment. He and his wife and two sons now make their home in Springdell Farms, Springfield.

Harold S. Turnbull (E) has been advanced from Engineer, Project Development, Engineering Department, in the Pittsburgh Office of United States Steel Corp., to assistant superintendent in the Tar Distillation Plant. He has been with the company three and one-half years and resides at 632 Rolling Green Drive, Bethel Park, with his wife, Joan and two children. He started at Clairton Works in 1955 as engineer-operating practices in the Coke Division.

Sidney Simon (A) started out as a designer of cars and now he's director of the University of Minnesota art gallery and assistant professor of ancient and medieval art. A recent article in "Town Toppers," a column in the Minneapolis Star, traces his very interesting career from the car designing through European trips, research, and various interesting occupations.

A spring ceremony united in marriage Millicent Hay and Fred E. Harlan, Jr. (E). The wedding took place in the First Presbyterian Church, New Kensington, Pa., and among the attendants was Robert Rearick (A'56). The couple plans to make their home in Amherst, Ohio, and Fred is a metallurgist with U. S. Steel.

"Twilight in the Garden of Eden," by Elliott R. Twery (A), a teacher at Randolph Macon Woman's College in Lynchburg, was among the 20 certificate winners in the current Virginia Artists' 1959 exhibition at the Virginia Museum of Fine Arts.

'48 The superintendent of the Irvin Works, U. S. Steel, recently announced the appointment of Edward J. Stolic (E) as General Foreman—Utilities. He began his ten years of service as a trainee and has worked as Lubrication Engineer, Foreman in instrument repair and substations and Foreman in the Electric Shop and Wire. He makes his home at 1611 Martha Street in Munhall, Pa.

The appointment of Charles P. Haber (E) as manager of its southwestern regional field engineering office in Dallas, Texas, has been announced by Lord Manufacturing Co., producers of engineered systems for vibration

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INTERVIEWS

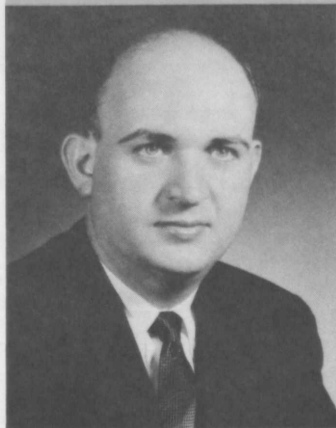
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R. H. Holl, E'51



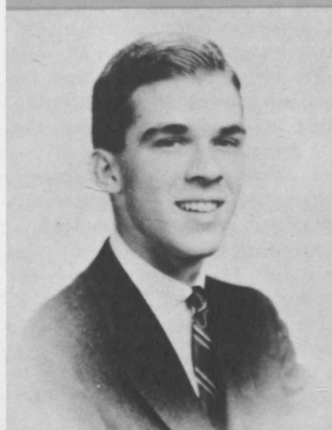
Arthur Weinberg, E'47

Class Notes

Personalities



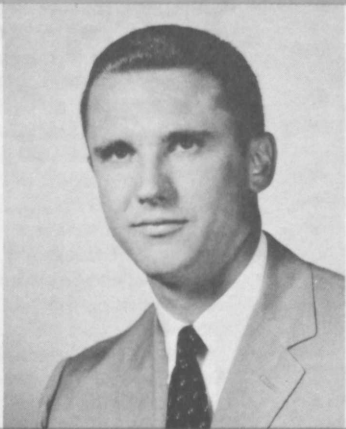
E. H. Mertz, E'50



Neil Bernstein, A'58



Dick Riebling, A'49



Clark Garrecht, E'54



C. J. Stalnaker, E'58



J. Polishook, IA'57



Conrad Susa, A'57



A. Yorkgitis, E'50



M. J. Greaves, E'56

ENGINEERS PHYSICISTS MATHEMATICIANS

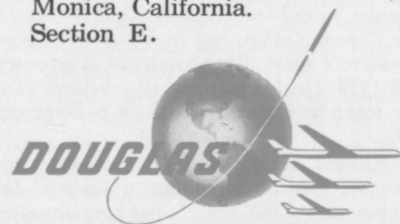
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Section E.



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and shock protection. He has been with Lord since 1952 as a field engineer in the Los Angeles office and, prior to that, he held engineering positions with Dravo Corporation and served in the U. S. Navy during World War II.

William S. Perkins, Jr., Director of Purchases at the General Products Division of Westinghouse Electric Corp., was named to the board of directors of Cyrus Wm. Rice and Company, Consulting Engineers. Mr. Perkins, his wife, and their three children reside in Mt. Lebanon.

Promotion of Monroe S. Sadler, a research supervisor, to the position of laboratory director has been revealed by Du Pont's Central Research Department. Since joining Du Pont he has been a member of the department at the Experimental Station.

Thomas A. Pope of Munster, Indiana, has been promoted in the operating department at Republic Steel Corporation. His official title is that of assistant superintendent of the seamless tube mill. Pope has been with Republic's Hegewisch plant since 1951 and since 1953 he has been assistant general foreman of the seamless tube mill. He lives with his wife and four children at 1536 MacArthur Dr. in Munster.

George R. Hunter (A) has been promoted to assistant professor of music at Denison University, Granville, Ohio, where he has been on the Conservatory of Music faculty since 1954.

West Penn Power company has announced the appointment of Stanley E. Smith, acting supervisor of controls engineering in the Electrical Engineering department at the general office in Greensburg, to supervisor of controls engineering. Smith, who lives at Mt. Odin Heights, R. D. 6, Greensburg, joined West Penn Power in 1948.

Ray Boyle (A), who has been actor, director and producer on Broadway, in summer theatres and in television, has been appointed manager-director of the new Fred Miller Theater in Milwaukee. Boyle is married to Gerry Jedd, also of Carnegie (A'46) and currently a big hit in London as Gittel in "Two for the See-saw."

Mr. and Mrs. A. L. Cantini (PM'47, Laura Miller, M) announce the birth of their fourth child and third daughter, Emily Andra, on February 3, 1959. They make their home at 5536 Jonathan Ave., N.W., Canton 20, Ohio.

'49 The Regional Sales Manager has announced that William H. Clark of Beaver, Pa., has been promoted to district sales manager for the Nationwide Insurance Companies. Prior to his present position he taught at Geneva College and served as a full-time insurance agent after he resigned in February of 1958. He, his wife and two children plan to make their permanent home in Somerset, Pa.

Richard M. Riebling (A) has been appointed Publications Editor at Carnegie Institute of Technology. He has been a writer-director of motion picture films for W. G. Beal, Inc., and, while there, he wrote "Day

of the Tartan," the film used to spark Carnegie's development program. This was but one of many films he has done for television and for industry. Some of his past positions include: writing for Packaged Programs, Inc., artist-writer for the Army's "Stars and Stripes," and creative director for Tally Embry Advertising Agency in Miami, Fla. In addition, he has had extensive free lance experience in copy and graphic layouts for advertising, radio, television and motion pictures. He lives with his wife, Elizabeth, at 5609 Elmer Street, Shadyside, and will design the graphic layout, edit copy, and schedule distribution for Carnegie publications.

Kenneth H. Vogel is supervising engineer of the Irradiations Chemistry Group, Bettis Plant, Westinghouse Electric Corp., in Pittsburgh. He makes his home at 4834 Emblem Avenue, Oak Manor, Pittsburgh 36, Pa.

Essex Wire Corp. employs Michael J. Pastrick, Jr., (E) as assistant plant manager in their Hillsdale, Michigan, plant. He is the father of four children, three girls and a boy, and writes that he will be very happy to see any classmates or Sigma Nus passing through the Hillsdale, Michigan, area.

Mr. and Mrs. Robert W. Stuckrath (Sylvia E. Davis, M) announce the arrival on March 20, 1959, of their first child, a daughter, Linda Ellen Stuckrath. Their address is 315 Holiday Drive, Highland Pines, Pittsburgh 37, Pa.

Paul G. Hanna (E) left Pittsburgh and Westinghouse at the end of 1958 and is now with the special engineering products division of the International Business Machine Corporation at Poughkeepsie, New York. He has the position of staff engineer in the industrial and electro-mechanical section of the division. His family consists of two boys, ages 4 years and 8 months, and they make their home at Mountainview Drive, RD#1, Pleasant Valley, New York.

Joseph E. Brown, Jr., (PM), who lives at 4 Arnold Park, Rochester 7, New York, is now with the Rochester Institute of Technology, Rochester, N. Y., in the Department of Printing.

Consulting engineer with offices in Farmingdale, N. Y., Horace A. McAllister, Jr., (E) has been appointed town engineer for the Town of Oyster Bay, New York. He is experienced in regional planning and traffic studies and has also worked as a consultant on sewage disposal, soil mechanics and road problems.

Lawrence W. Kunkler (E) transferred to Cleveland with Aircro in November, 1958, and is now assistant Manager, Engineering Services, Air Reduction. The Kunklers live at 29604 Osborn Rd., Bay Village, Ohio.

Joe Herron (E) has notified us that he recently resigned as Sales Manager of the Empire Corp., Milwaukee, Wisc., to take on duties as an Engineer for Boeing Airplane Company in Seattle, Washington. He lives at 1484 Columbian Way, Apt. 3, Seattle 44.

Bloom Engineering, manufacturer of burners and related equipment for industrial furnaces, has promoted R. L. Hoffman (E) to sales manager.

'50 Dr. John B. Newkirk (E) of the General Electric Research Laboratory has been elected national secretary of the Electron Microscope Society of America. He has been active for several years in the business and scientific affairs of the society, which is devoted to the increase and dissemination of knowledge of electron microscopy. A recipient of a Fulbright Fellowship, he studied at the Cavendish Laboratory, Cambridge University, England and is scheduled to go to Switzerland soon in connection with his work. He makes his home at 1317 Myron St., Schenectady, N. Y.

Wayne Redd (PM), formerly of Charleroi, is advertising and public relations director of the Riviera Hotel in Las Vegas, Nevada. It is the only "skyscraper" hotel on the "Strip" and has recently started construction on seven more floors to make a total of 408 rooms in the main hotel.

William H. Heller (A) has taken the position of director of training with Fidelity Bankers Life Insurance Corp. of Richmond, Virginia. He has been awarded the certified life underwriters (CLU) professional designation.

A chemical engineer with Hagan Chemicals and Controls, Inc., Edward A. Yorkgitis (E) has been appointed a group leader in the Chemical and Research and Development Department. He will head a team of research and development engineers devoted to critical problems in the operation of high capacity steam generating plants.

John A. Croft (E), former Distribution Department general engineer for the Ohio Fuel Gas Company, has been promoted to supervisory engineer and Columbus Group system sponsor for the Columbia Gas System Service Corporation in New York. He will move to New York and act as liaison man between Ohio Fuel and the Service Corporation in his new post. John served with the Army Engineers in World War II, is married, and has two sons.

Eugene H. Mertz (E) has been appointed Staff Engineer, Indicator Electronics, at the Owego plant of the International Business Machines Corp. IBM Owego of IBM's Military Products Division produces the bombing and navigational system for the B-52 Bomber, is developing the guidance system for the B-70 of North American Aviation and is doing research and development of guidance systems for other space vehicles.

A Farrell, Pa., actor was recently singled out for a story in Earl Wilson's New York column, "It Happened Last Night." He is Lester Rosenberg (A) who now uses the stage name, Lester Rawlins. The article describes Lester's reaction to appearing in a new type role in a current play, "The Quare Fellow."

The David Coates (E, and Ruth Jackson, M'52) have returned to Pittsburgh and Dave is working at Universal Cyclops Steel Corporation in Bridgeville, Pa., as a metallurgist. They make their home at 425 Parkview Dr., Mt. Lebanon, and have two children, Lisa and Andrew.

'51 Mr. and Mrs. Joseph A. Morgan (E'53 and Josephine Crisanti, M) announce the arrival of a sister for fifteen-month-old Roseanne. Michele Marie was born on February 12, 1959, and the family lives at 113 Chestnut Dr., Monaca, Pennsylvania. Joe is employed as a research engineer at the St. Joseph Lead Company, Zinc Smelting Division in Monaca.

Alfred L. Clark (E) has been promoted to project engineer in the Preliminary Development Department of the IBM Special Engineering Products Division at Poughkeepsie, New York, where he is Manager of Reliability Engineering. He joined the company in July, 1951, as a customer engineer in Pittsburgh and became Manager in the Department of Education in 1956. He and his wife reside at 21 Homer Place in Poughkeepsie and are the parents of three children.

Elaine Stevenson Sapper (M'52) and her husband Gene (E) live in El Cajon, California, at 2014 Calle Cantora. Gene is manager of the International Testing Corporation and writes that he has a "new job, new home, and the same three boys, David, 5; Mike, 3; Steven, 1."

William C. Cole (E) is employed by General Electric as a Metallurgical engineer in the Louisville, Kentucky, division. He makes his home at 4021 Elmwood Ave., Louisville 7, Ky., and has a son, Robert P., two years old.

Ken Campbell (A) was recently appointed assistant to the producer of the Ed Sullivan Show on CBS in New York City.

John Hauser (E), staff metallurgist at the Crucible Steel Company's central research laboratory, has been given the first John A. Mathews Award for "the outstanding technical contribution of the year." The award will be presented annually to the top Crucible scientist of the year and was given to Mr. Hauser because of his fundamental research on tempered alloy martensite in low alloy steels. He has been with Crucible since 1956.

Frederick E. Lunt, Jr., (E), 118 Greenhill Dr., Butler, Pa., has been named chairman of the building committee of Trinity Evangelical Lutheran Church. He is employed as production control manager by Magnetics, Inc. He moved to Butler in August, 1956, from Beaver Falls, Pa., where he was employed by Armstrong Cork Company, is married and the father of one daughter.

Promotion of Richard H. Holl (E) from sales manager to vice-president—sales, has been announced by the president of the Logan Clay Products Co., Logan, Ohio. His promotion follows his fourteen-year tenure with the clay products firm. He joined them in 1945 and has served as sales manager since his return from service with the U. S. Corps of Engineers as a first lieutenant in Korea and Japan.

1350 Castec Drive, Sacramento 25, California, is Jack B. Rote's (E) home address. He has two sons, age 5½ and 2½, and is employed as production engineer by Aerojet-General Corporation. His association with them began in November, 1958.

After graduation from Carnegie, Robert H. Anschuetz (E) was employed as a production metallurgist by U. S. Steel, Clairton, Pa., and served in Korea as an Army intelligence officer. He graduated from Divinity School in 1957 and was ordained a pastor of the United Lutheran Church. His first church was in Leopold, West Virginia, where he served for a year and a half. He is now pastor of St. Luke's Lutheran Church, North Side, Pittsburgh.

Joan Shaw (M) is now Mrs. J. Gibson Cooper and makes her home at 1739 Sunset Cliffs Boulevard, Apartment 11, San Diego, California.

A veteran combat pilot whose experience combines practical engineering techniques with research and development has been assigned to the Air Force Plant Representative's office at North American Aviation as project officer on that company's triple-sonic F-108 long range interceptor. He is Lt. Col. Merle H. Culp (E) who lives at 3200 West 99th Street in Inglewood, California. He reports to North American from Wright-Patterson AFB, Ohio, where he was in the Air Material Command's Directorate of Tactical and Support System as weapon system project officer.

Robert Chieruzzi (E) is a civil engineer serving as visiting assistant professor at the University of Southern California. He is teaching courses in soil mechanics and highway engineering in the civil engineering department and makes his home at 10832 Westminster Avenue in Culver City. He has a son, David Anselmo, who was born September 24, 1958.

A recent promotion moved Keith W. Bradley (E) from Salt Lake City to Denver, Colorado, with the position of design engineer with Denver & Rio Grande Western Railroad Co. The Bradleys now make their home at 360 Hemlock St., Broomfield, Colorado, and have four children: Ricky, Lynn, Joyce, and Susan.

Dr. Emerson W. Pugh (E) has been appointed a research physicist in the Magnetics Department at the IBM Poughkeepsie research laboratory. He is manager of the metals physics group whose responsibility is to investigate the magnetic properties of metals in bulk and thin film form. He joined IBM in October of 1957 as a staff physicist and prior to that was a research physicist on the staff of Carnegie. He is the son of Dr. Emerson M. Pugh, professor of physics at Carnegie Institute of Technology.

Edwin A. Wheeler (E) has been advanced to staff engineer in the Data Development Laboratory at Poughkeepsie, N. Y., where he is now assisting in the electronic design of paper tape equipment.

'52 Trinity Lutheran Church in Lockport, New York, is the present home of William J. Faust. He will be serving as student pastor until September of 1959 when he will return to Concordia Seminary, Springfield, Illinois. He hopes to be ordained a Lutheran pastor in the summer of 1960.

Mary Louise Scholl Mullen (M) lives at 614 Dorseyville Road, Pittsburgh 38, Pa. Her third child arrived on January 19, 1959,

and is named Suzanne Elizabeth.

Harry Fred Osterman (E) is presently employed as Sales Manager at Branson Ultrasonics in Stamford, Conn. He and his wife, Mary L. Comer Osterman (M'51) live at 121 Fifth St. in Stamford.

Manager of the Process Engineering Department is Earl Richards' (E) official title with Mallory Sharon Metals, Niles, Ohio. He makes his home in Cortland, Ohio.

The chairman of the Public Parking Authority of Pittsburgh recently announced the appointment of Merritt A. Neale (E) of Mt. Lebanon as executive director of the Authority. For the past three and one-half years Mr. Neale has been assistant director and chief engineer and has been closely associated with the development and construction of the last four authority facilities.

The most recent job to which Dr. Leslie Charles Hale, Jr. (E) has been assigned is that of Electronics consultant to the space sciences group of the Physics Division concerned with flying physics experiments in rockets and satellites. His business location is the Los Alamos Scientific Lab in New Mexico.

On November 29, 1958, Elizabeth Maxine Black (M) married Anthony H. Trimble. They are making their home at 145 Elm Rd., Pittsburgh 37, Pennsylvania.

Chief engineer in the family of Gary Recker (E) is Charles Matthew, who joined the crew on February 10, 1959, in Cresskill, New Jersey.

George G. Ballis (A) is assistant professor of speech and drama at Jacksonville University in Jacksonville, Florida. A recent interesting article appeared in the Jacksonville, Fla., *Journal* describing his most recent efforts in staging plays and the views which he holds concerning the effects of various types of vehicles upon the viewer and the actor.

Hugh Moser (PM) has a new addition in his family named David Jaynes Moser, who was born on February 26, 1959. David has a sister, Barbara, 6, and a brother, Jeff, 3½. Hugh is assistant advertising manager for Upjohn International Operations, Inc., in Kalamazoo, Michigan.

Rosina Fernhoff Inlender (Mrs. Avraham Inlender, A) appeared in one of the leading roles in "Fashion" at an off-Broadway theater during the first of the year. Both the play and Rosina were well received by New York critics.

'53 Frank Metzger (E) has been promoted to Assistant Manager of Personnel Research and Development for Raytheon Manufacturing Co. His former position was that of Training Supervisor, Semiconductor Division, with the same company, located in Newton, Massachusetts.

Richard E. Goss (E) recently married Gladys Sekera and they now live at 526 James Street, Turtle Creek, Pa. He is presently employed as an engineer at Westinghouse Electric Corp., in Cheswick, Pa.

An industrial consulting firm specializing in project planning and financing has recently been established in Washington, D. C.

At the head of the firm are two brothers, Howard P. Morrison (IM'48) and Lawrence Morrison (IA). They are located at 1745 K St., N.W., Washington 6, D. C.

Alfred I. Spindelman (A) has advised us of the birth of a son on July 8, 1958. His wife, Jean Bruno, is in the National Company of "Music Man" and they make their home at 1512 Lexington Ave., New York 29, N. Y. He has been playing a feature part in "Three Penny Opera" off Broadway.

Discharged from the Army after two years service, Dr. Howard G. McIlvried, III, moved to California in December, 1958, and is now Design Engineer for Cal. Research Corporation in Richmond, Cal. He lives at 2115 Haste St. in Berkeley.

Neal E. Karpenter (E) has a new job doing functional electronic tests on Boeing 707 planes. His title is Senior Facilities Engineer with Boeing Aircraft in Seattle, Washington. He and his wife, the former Nancy Jane Wallis (M'54) are the parents of Kathleen, 3, and Kristine, 2, and live at 13723-12th N.W., Apt. 201, Seattle 66, Washington.

Jean Reid (M) is now Mrs. E. W. Sherwin and is living at 4706 Hampton Farms Dr., Allison Park, Pa. She married William Cramer Sherwin on September 25, 1958, and was formerly a secretary with U. S. Steel.

John Ulmer (A) will direct the productions of the Santa Fe, New Mexico, Summer Theatre for 1959. He has directed seasons in New Hampshire, Massachusetts and California, and his New York work includes television, off-Broadway and films. He is presently directing "The Rope Dancers" which opened in New York in March.

Dr. Robert Robl, Jr. (E) is now research engineer with Alcoa in the Research Lab in New Kensington. He, Mrs. Robl (Jean Steiner, M), and Terri, a talkative 19 months old, make their home in Monroeville.

A second son, Jonathan Edward was born March 11, 1959, to Mr. and Mrs. Edward T. Child (Beverly Croft, M). They make their home in Fishkill, New York.

Dr. and Mrs. B. W. DeShazo (Charlotte McKay, M) announce the birth of William Wood on May 1, 1958. They also have a two-year-old daughter, Jeanie. Dr. DeShazo will complete his tour of duty at Castle Air Force Base, California, in June, 1959.

REUNION CHAIRMAN
Richard M. Durstine,
IM'54

600 Squaw Run Road
Pittsburgh 38, WO 3-9172

'54

Lieutenant Alfred E. De Vido (A), U. S. N., is in Japan serving as Resident Officer in Charge of Construction. He recently received a letter of appreciation from the Japanese Construction Ministry expressing their gratitude for his contribution in completing the building of Atsugi Senior Officers' Quarters. He expects his discharge from the Navy in the fall and then hopes to go to Denmark for additional study in city planning.

The Bob Samuelsons (IA, and Adrienne Brown, M'58) are doubly happy these days because of the arrival of twins Howard Bruce and Inger Jo. They arrived on March 28 in Nashville, Tennessee, and each weighed more than six pounds.

Marcia J. Rogers (A) is currently a planning designer with the Philadelphia City Planning Commission. She was one of the group which conducted the Gibeon excavation in the summer of 1956 amid the rising turmoil of the Jordan disturbances.

Edward 3rd has joined the family of Mr. and Mrs. Edward F. Walsh, Jr. (PM). He arrived on February 19 at 4630 Alveo Road, La Canada, California. His father is sales engineer with I. T. & T., Industrial Products Division in San Fernando California.

Clark P. Garrecht (E) has completed the Trane Company specialized engineering program in La Crosse, Wisconsin, and has been assigned as a sales engineer to the sales office in Memphis, Tennessee.

Joseph Ceo (A), violinist, recently made his debut in Washington, D. C., with a standing room only crowd at the Phillips Gallery. Following his years at Carnegie he studied in Rome on a Fulbright Scholarship.

Cutler-Hammer, Inc., manufacturers of electrical motor control equipment, have announced that Donald E. Hand (IM) has joined their company as a sales engineer.

Tops in Christmas gifts received by the Raymond M. Harpers (Ann Ess, M) was baby Mark Joseph, who arrived on Christmas Day in 1958. He is the grandson of T. Joseph Ess (E'22), past-president of the Alumni Federation. The Harpers live at 36 S. Highland Ave., Arlington Heights, Illinois.

Paul K. Conrad (A) was introduced to the climate in Hawaii by Uncle Sam when he spent a year and a half as a member of the U. S. Army Band on the Island. When his service term ended he started to play with a combo on Waikiki Beach and a short time later formed the "Paul Conrad Trio." He is currently a piano soloist at the Gourmet, Waikiki, and teaches piano, organ and voice in addition to becoming known for his arrangements for singers and orchestras.

Joseph Thomas Cioletti arrived on April 17, 1959. His parents are Josephine Garofalo (M) and Olisse C. Cioletti (E'52), an engineer at Westinghouse Atomic Research in Clairton. Josephine is a retired teacher, formerly with Duff's Iron City Business Institute.

'55

Upon completion of work for his Ph.D. in Chemistry at the University of Wisconsin in December of 1958, Myran C. Sauer, Jr., (E) started work at Argonne National in Lemont, Illinois. He is Post-doctoral Resident Research Associate in the Chemistry Division and makes his home at 1111 Gilbert Ave., Downers Grove, Illinois.

Barbara Ann Toia (M) was married to James Streiner on January 31, 1959. She is a nutritionist in Sewickley Valley Hospital, School of Nursing in Pennsylvania and lives at 5836 Fifth Avenue, Apt., 6, Pittsburgh.

Lt. (j.g.) W. H. Rassbach (E) is temporary Officer-In-Charge AUW AU 0408 with Fleet Aircraft Service Squadron 118. He worked in flight tests, Boeing Airplane Co. until December of 1956, then he joined the Navy. He has a daughter, born September, 1957.

William Butler Parson (PM) received his MBA from the University of California in January of this year and is at present a Foreman, UARCO Business Forms. He lives in El Sobrante, Calif.

Bill Marshall (E) has recently been employed by Hughes Aircraft and moved to Fullerton, California. He is a member of the Technical staff with the organization.

James E. Wood, Jr., (IA) is a technical assistant with Union Carbide Corp., and transferred to the new polyethylene unit at the Whiting plant. He has three children and has purchased a new home in the district.

'56

First Lieutenant Ronald F. Draper (E) recently completed two years of military service at Fort Leonard Wood, Missouri. He now plans to return to his job as an aeronautical engineer in the analytical section of the structures department for Northrup Aircraft, Inc., of Los Angeles.

Caroljo F. Lee (M) has been named Public Relations Manager at Buhl Planetarium and Institute of Popular Science. She was assistant publications manager at Carnegie and has been at the Planetarium for three years in the capacity of publicity assistant. She and her husband, John (E'53) reside in Butler, where John is a sales engineer for Magnetics, Inc.

Mr. and Mrs. William Nealon Kennedy (E'55 and Joan Cerwin, M) of 317 Fairview Ave., Mt. Prospect, Ill., announce the arrival of William Nealon Kennedy, Jr., on January 25, 1959.

Bartley F. Osborne, Jr. (E) is a design engineer with North American Aviation and has been temporarily transferred to Palmdale, California as assistant to the Project Engineer for flight testing of NAA Navy Vigilante Bomber. He is living in Lancaster, California.

News from Mrs. R. E. Piper (M, Barbara Florschutz) of the birth of Kimberly Ann on January 4, 1959, also tells us that they are moving to Omaha, Nebraska, in July. Now they are residents of Euclid, Ohio.

Mary Michael Pollock (A) met Ed Gifford at a Dramat. Cocktail Party in December of 1957 and she is now Mrs. Ed Gifford. He is on the staff at CBS-TV and she recently joined Samuel Goldwyn after 2½ years with Mike Todd Co. Their home address is at 68 Carmine St., NYC 14, N. Y.

R. Marshall Brown (E) is now president of Neville Lime Co. in the Oliver Bldg. His election was announced by the chairman of the board. He joined Neville Lime in 1956 as vice president.

The appointment of Melvin J. Greaves (E) as chief engineer, Metals Division of Arthur G. McKee & Company has been announced. Formerly professor of engineering

at Utah State University, he joined the company in 1956. He resides, with his wife and three children at 3317 Torrington Ave., Parma, Ohio.

William H. Meanor (E) has been named coordinator of personnel procurement by Allegheny Ludlum Steel Corp. He was a teaching and research assistant at Carnegie from 1954-6 and came to Allegheny Ludlum from Jones & Laughlin Steel Corp. He is a member of the Pittsburgh Personnel Assn. and of both the American and Pittsburgh Psychological Associations. He and his wife live at 344 Travis Dr., Pittsburgh.

William N. Krauss (E) is associated with the Western Electric Company as development engineer. He is located in Murray Hill, New Jersey, and lives at 1619 Andrew St., Union, N. J. He tells us that his daughter, Delta Rebecca Krauss, entered Tech's school of engineering and science last September on her way to securing a Math Major.

The William Baxters will be stationed at Camp Baumholder, Germany, for approximately three years. Janet Bishop Baxter (M) feels most fortunate in having been able to complete her graduate work toward a Master of Science Degree at Kansas State College.

Newly appointed vice consul to Zurich, Edward C. Bittner's (E) new address is American Consulate General, Talacker Strasse 35, in Zurich, Switzerland. His wife, formerly Leane Richel, M'57 and daughter, Valerie, will accompany him there.

Frank A. Zabrosky (L) has joined the staff of the University of Pittsburgh Library as first assistant in the acquisition department. Immediately before coming to the University of Pittsburgh he served with the U. S. Army in the United States and Japan.

'57

Combined mathematics and science clubs at Hoover High School in North Canton, O., heard a talk on "Electronic Computers and Their Applications," last spring. It was delivered by Melvin M. Fischer (E) of Goodyear Aircraft Corp and described the evolution, development and projected future of electronic computers.

Mrs. Ralph Grimm (M) lives at 310 Noel Drive, Monroeville, Pa. and has a son, Douglas Alexander, born March 18, 1959. She was the former Marjorie Buisch.

Mr. and Mrs. Gerald Olgin (Marilyn Adler, M) announce the birth of a son, Marc Elliott Olgin on January 12, 1959 in Erie, Pennsylvania.

Ronald P. Anjard (E), after completion of six months active duty at Aberdeen, Maryland, is now process engineer for bonded germanium and silicon diodes with Raytheon Manufacturing Company. He and his wife and son, Ronny, live at 356 South Rd., Bedford, Mass.

Assistant Extension Home Economist, Penn State University, Sandra M. Hammers (M) flew to Hawaii last September to visit Ev and Harriet Chang (Music '54 and '55). She stopped in Seattle to see Lou and Syl Domiamous (A'56 and Eva Lou Spears

A'57) and in San Francisco to see John (E) and Jean Walker Daniels (M). Sandra makes her home on Homer City Road, Indiana, Pa.

Marshal Joseph Bruno (E) finished a six month tour of duty in the U. S. Army Engineer Corps in November of 1958. He was married on Nov. 22, 1958, and is now a chemical engineer with the Columbia Southern Chemical Corporation in New Martinsville, West Virginia.

The David Barnards (Antoinette Lane, M) have a daughter, Antoinette, born December 12, 1958. The family moved to Cleveland on December 27, 1959, and make their home at 3624 Strathavon Rd., Shaker Hgts. 20, Ohio.

On December 24, 1958, Joanne Clare Hurley (M) was married in the Church of the Redeemer, Squirrel Hill, to Alan Edgar Dalby. The bride is now teaching at Munhall High School in the Home Ec. and Science departments. The couple is living in Regent Square.

A Second Lieutenant in the U. S. Army, Louis A. Salvador (E) worked for five months in the Chemical Products Division of Standard Oil of Indiana. He is now serving his two-year obligation in the corps of engineers and is the father of a son, David Louis, born February 21, 1959.

A University of Pittsburgh advertisement carried in district papers last fall has been accepted for exhibition by the New York Art Directors Club. The winning Pitt ad is the work of Richard Oden (A) and he did both the art work and the copy for the ad which was prepared for the Pitt Evening division. The exhibition in New York is considered the top printing design show of the year and selection was based on the excellence of the visual concept and interpretation of the design problem. His was one of the designs selected for a tour of Europe. The Odens (Catherine Morgenthaler, A) have a daughter, Summer, born in May of 1958.

Mrs. J. Daniel Cox (Carol Sechler, M), a former dietician serving the Board of Education, is living at 222 Goldsborough Hgts., Bayonne, N. J. Her husband is serving with the U. S. Navy at Bayonne and they have a baby daughter, Nancy Lee, born on February 10, 1959.

Tom and Marilyn Harrison (E, and Marilyn Lawrence, A'58) have a baby daughter, Nancy Elizabeth, born on January 24, 1959. He is an engineer with IBM and they live in Poughkeepsie, New York. Tom also brought us news of John and Barbara Ekiss (E, and Barbara Kinner M'58). A son arrived at their house on January 28, 1959. His name is John Brian and their home is at North Wales, Pa.

Maija Priman Gresh (M) is pictured in an article on Women in Science, featured in the current issue of "The Reporter," Bell Laboratories employee magazine. She is a technical staff associate in the Bell Telephone Labs in Murray Hill, N. J., and lives on Madison Ave., in Gillette, N. J.

Conrad Susa (A) has been commissioned to compose incidental music for the drama

productions at the National Shakespeare Festival in San Diego, Calif., this summer.

Burton H. Polishook (IA) has been appointed methods analyst in the Administrative Planning Department at the Mohansic Laboratory of IBM. In his new assignment he is responsible for advising management on the development and implementation of efficient operating practices within Research.

Mr. and Mrs. Samuel Hitchings (E'55 and Mary Davey, M) announce the birth of a daughter, Patricia Dee, born October, 1958. Samuel is employed at the Edgar Thomson Works, U. S. Steel, as a Metallurgist and their home is at 201 Porter Dr., Huntingdon Heights, Irwin, Pa.

The Robert Shields (E'56) have announced the arrival of George Charles on January 14, 1959. His mother is the former Margaret Vetter, (M).

'58

A new Magnetics, Inc., device was explained to the American Institute of Electrical Engineers at its annual meeting in New York on February 8. Charles E. Hardies (E), research engineer with the company, described the new application of a magnetic storage core in a long-time delay unit.

Mr. and Mrs. Robert D. Hammond (E, and Salliann Shanor, M) are at home at 7417 W. Manchester Ave., Los Angeles 45, California. Salliann graduated last January and the couple settled in California where Bob is a design engineer with North American Aviation. They were married in December.

Lou Napoleon (A) is stage-managing and has a small part in the off-Broadway production of "The Golem," which opened the first part of the year to good reviews. Lou had the romantic lead in KDKA's initial dramatic venture "Voices of the Past," a tribute to Old Economy, presented last year. He married Irene Rogosky, a medical technician, soon after graduation and expects to establish his home in New York.

C. J. Stalnaker has been named to serve as Product Metallurgist in the Vacuum Melting Department at Vanadium-Alloys Steel Company. He was recently released to inactive duty after serving as a Second Lieutenant in the U. S. Corps of Engineers.

Susanne Groves (M) was recently awarded the Ellen Scripps Booth Memorial Scholarship at Cranbrook Academy of Art in Bloomfield Hills, Michigan, for a second year of study for her M.F.A. degree in ceramics. She has had her ceramics exhibited in the Wichita National Show, the Pittsburgh Artists Show, the Ohio Ceramic Exhibition in Youngstown, and the Pittsburgh Craftsmen's Show. Her home is in Canton, O.

Annette Lois Klein (M) is Mrs. Julius Cohen, and her new address is Box 245, Norwood, N. C. The wedding took place on April 12th and she is now spending her time between being a housewife and working in their department store (Norwood Department Store).

Richard L. Hartman (E) is Battalion Ordnance Officer, U. S. Army, and is presently stationed at Keflavik, Iceland.

Margo Bennett (Muriel R. Eisenberg, A) acted in "The Crucible," by Arthur Miller, off-Broadway after arriving in New York from stock. Then she played Anne in "Diary of Anne Frank" at North Jersey Playhouse. She has just completed a TV film for "Naked City."

A son, Paul Bradley, born February 15, 1958, joined the La Mar S. Hills, Jr., (E) family (Pauline Beard, M'56). His father is employed as a metallurgical engineer with U. S. Steel Corp. in Orem, Utah. They live at 75 So. 470 East, Orem, Utah.

Neil Bernstein (A) has recently been appointed as a research assistant by Syracuse University's Radio-Television Center. He will be employed in the analysis of information gathered as part of a survey conducted by the Radio-Television Center for the Syracuse C.B.S. TV affiliate.

Deaths

Raymond C. Hanford, E'11, died in May following a heart attack. He had retired in 1958 from his position as manager of production planning for Harris-Seybold division of Harris Intertype Corp. Mr. Hanford had joined the company after graduation, and installed its first production planning system. He held several patents on production planning devices. Except for seven years with White Motor Company, Mr. Hanford remained with Harris-Seybold until his retirement; since that time he had been a consultant for the company. The Hanfords have lived in Aurora, Ohio for 30 years, and Mr. Hanford had been chairman of the Aurora Water Board for the past ten years.

* * *

Walter C. Bates	E'08
H. L. Hosey	I'09
Raymond C. Hanford	E'11
French	E'12
Joseph V. McClaskey	I'13
W. C. Schafer	I'16
Mrs. John W. Rogers	M'22
(Evalyn J. Peirson)	
Raymond F. Schmidt	I'23
Joseph N. Good	E'25
John S. Osler	A'26
Charles C. Cook	I'30
Eleanor Lemon	M'31
William A. Johnson	E'42



Class of '59 organization banquet at Webster Hall in May. The class has already set up its alumni organization, with a president, Kenneth Wilkins, and secretary, Marjorie ("Ginny") Austin. As the Alumnus went to press, the class had pledged to the Development Program almost \$14,500 from some 190 members.



Lost Addresses

(Continued from page 15)

If you know the addresses, please notify the Alumni Federation

E—'44

Orville E. Anderson, Donald R. Brunstetter, Arthur C. Crapo, David E. Germain, Hobart B. Hewett, Dermott V. Hickey, A. Leslie Hill, Jr., Robert E. Hoffman, James R. Hudson, Charles S. Lambing, Henry W. McRobbie, Jr., Hector A. Perez, Bartlett R. Price, Lawrence Rudick, William J. Ryan, William J. Schulz, William E. Schwarz, Stanley L. Shiller, Frank R. Smith, Hugh R. Smith, Jr., Robert E. Smith, Richard A. Walton, Holden F. Wilson, Charles W. Young

E—'49

Edward W. Bonnett, Robert G. Campbell, Robert H. Coddington, George P. Demetroulas, Melvin E. Fields, John E. Forsythe, Chun Chao Fu, Benjamin C. Glenn, Wilton A. Hawkins, Jack A. Kennison, John T. Lindsay, Patrick P. McCurdy, Charles P. Pfeleger, Joseph E. Smith, Donald G. Spring, Joseph D. Urban, Paul G. Yochum, Joseph F. Zawacki, George E. Zenk

E—'54

Willard F. Clark, Ahmed Erteza, David Hoff, Bartolome B. King, Theodore Ivkovich, Jr., Elias V. Volianitis, Donald L. Wood

Printing Management

PM—'24

William S. Bell, B. F. Bowman, Willard P. Knight, R. F. Nichols

PM—'34

John H. Gallagher

PM—'39

Lip King Wong

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(IV) WILLIAM CARPENTER, E'46

(V) ALLEN I. GREEN, E'43

(VI) NELSON RICE, A'22

*Ex Officio*KENNETH E. REED, E'49

Recording Secretary

MISS NORA I. WILLETTS, M'26

Alumni Fund Chairman

O. A. EICHENLAUB, E'26

*Steffen Fund Chairman.....*E. A. LUCAS, E'19

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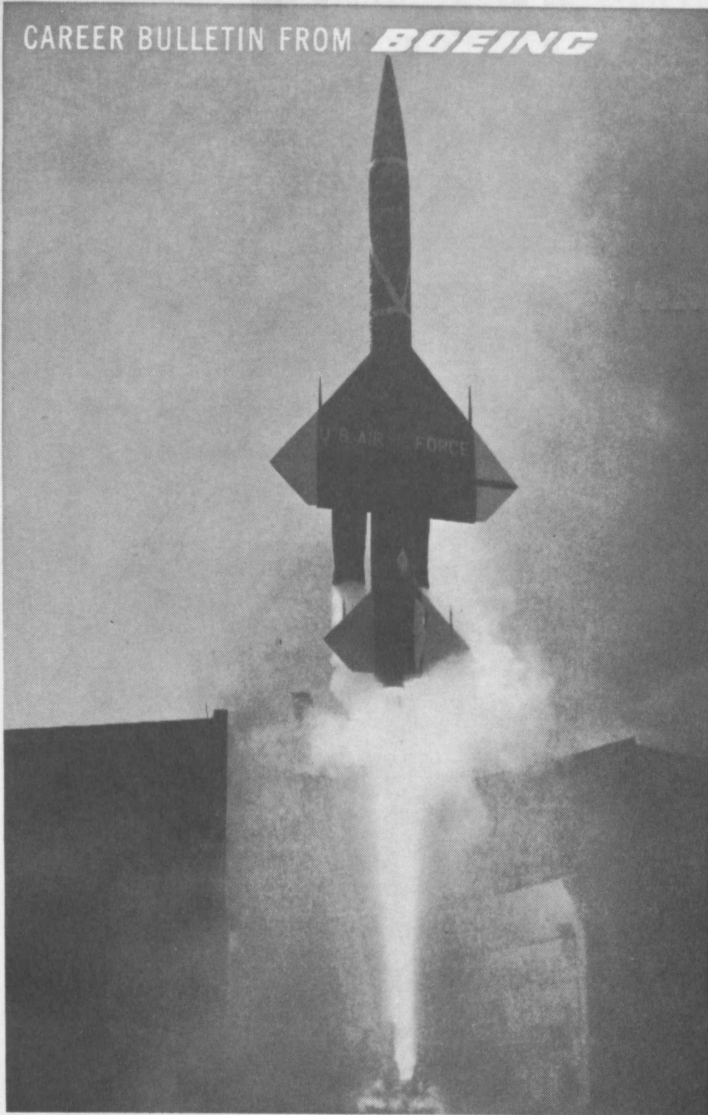
JOHN G. JOHNSON, E'49

Associate Secretary

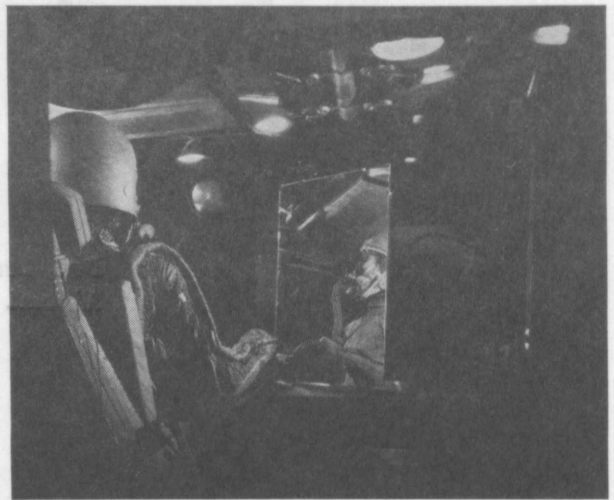
ROBERT W. SAMUELSON, IA'55

*Recorder.....*MRS. KATHERINE L. HAVENS

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Form 3547 Requested

Dr. Denton Beal
Alumni Office

HOME COMING

Target Date—October 16

Reunions:

'09

'54

'14

'49

'19

'44

'24

'39

'29

'34

