Sept 1966

Carnegie University Planned

Mellon Institute-Tech Linked

Pittsburgh, Pa., September 14, 1966—A proposal for the creation of a new university, Carnegie University, in which Mellon Institute would join with Carnegie Institute of Technology, is under consideration. The announcement was made today by Paul Mellon, chairman of the board of trustees of Mellon Institute, and Aiken W. Fisher, board chairman at Carnegie Tech.

The proposal calls for Mellon Institute to become Mellon Institute of Science of Carnegie University, and all of the Institute's endowment, buildings and other property—valued at more than $60 million—to become a part of the new University. These assets when added to those of Carnegie Tech would provide the new Carnegie University with assets of approximately $200 million, including an endowment with a market value of nearly $120 million. This increase of $60 million in the resources of a private university represents one of the largest in the history of higher education.

Mellon Institute was established in 1913 by the late A. W. Mellon and R. B. Mellon to conduct research in chemistry, physics, and biological sciences, together with industry sponsored research and engineering, and has achieved a worldwide reputation for its many scientific contributions. The proposed new Mellon Institute of Science would include the current Mellon Institute research and post-doctoral programs, and the Carnegie Tech departments of chemistry, physics, biology, and earth and astronomical sciences. The buildings and facilities of the Mellon Institute would be a principal focal point for graduate research in this college. The aims of the Mellon Institute of high quality independent research, of pioneering applied research, of industrial-related programs, and of post-doctoral research experience would continue as important objectives of the new University.

Carnegie Institute of Technology was founded as the Carnegie Technical Schools in 1900 by gifts from Andrew Carnegie and the City of Pittsburgh. It received a charter with power to confer degrees in 1912 and is now an institution of about 4,000 full time students with programs in science, engineering, fine arts, industrial administration, women's education, and the humanities and social sciences. The name, Carnegie Institute of Technology, would be retained for a college of engineering and applied science of Carnegie University. It would embrace not only Carnegie Tech's departments in these fields, but also some of the industrial and research programs of Mellon Institute, together with a new graduate program in advanced technology.

Another new undergraduate college to be established according to the proposed plan would be the College of Humanities and Social Sciences, made up of existing departments of English, history, psychology, economics, and modern languages. Other programs and departments would be added to this college to broaden its scope, and to support other elements of the University. This new college would permit male students to earn a B.A. degree, which is not possible under Carnegie Tech's current curriculum.

In addition to these three newly established degree-granting colleges, three existing ones will remain essentially the same.

The Carnegie College of Fine Arts will continue to be the focal point of professional study in the arts. Independent plans are progressing for a new drama center to improve the facilities of this college.

Margaret Morrison Carnegie College will continue its program in women's education, with strong emphasis on educational research for the changing needs of women.

The Graduate School of Industrial Administration was founded by W. L. Mellon in 1949. One of the country's outstanding schools of administration, it will continue to offer advanced degrees in management and related areas.

Paul C. Cross, president of Mellon Institute, stated, "The recent growth of Mellon Institute has centered around its program in fundamental research. As a part of Carnegie University, the Institute would be able to combine this role and its important task in industrially sponsored research with new contributions in the field of graduate education. The potential of the new university offers greater opportunities for both institutions."

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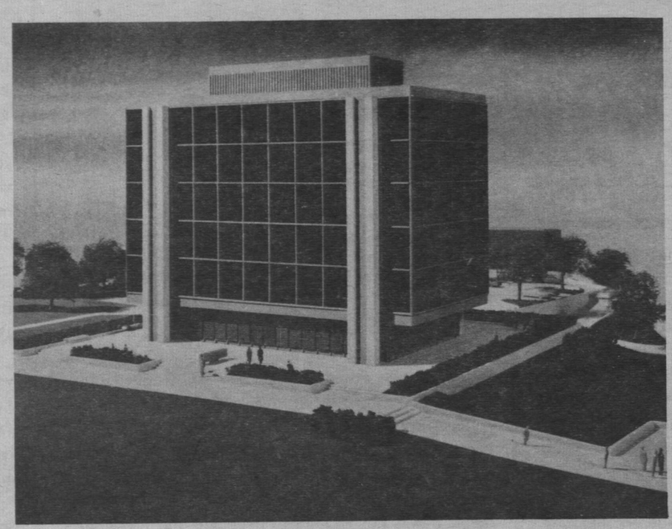
CARNEGIE ALUMNI NEWS

CARNEGIE ALUMNI NEWS



published for the Alumni of Carnegie Institute of Technology, Pittsburgh, Pennsylvania September 1966

Homecoming '66 Features "Meet and Mix" Theme

What's different about Homecoming '66? Well, probably not much—except if you haven't been here for five or ten years, you might think it's a different campus. Then there's a new vice president for development, a Tech grad like you, who wants to buy you breakfast and tell you a little about the place. DiscoTECH II has become so big that we've rented the biggest ballroom in town at the Hilton to accommodate you. And as for the football game, there's the most exciting quarterback Tech has ever had, who will provide quite an aerial show.

The weekend begins on a serious note at 8:30 on Friday morning, October 14, when alumni participating in the Carnegie Admissions Council program meet for an all-day workshop. At noon, President and Mrs. H. Guyford Stever will host a luncheon for the Golden Anniversary Class of 1916, and, in the afternoon, tours will be available to several campus buildings, including the just-completed Warner Hall.

The Pittsburgh Women's Clan will sponsor an all-alumni reception beginning at 3:00 p.m. on Friday, and at 6:00 p.m., ten Tech alumni will be honored with Merit and Service awards (See Page 3) at the Annual Alumni Awards Banquet.

A student sponsored jazz show at Carnegie Music Hall provides a place to go following the banquet.

The *Alumni News* is a quarterly publication published by Carnegie Institute of Technology for its many alumni and friends.

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Saturday's activities begin with a free breakfast, with Jack Johnson, Tech's new vice president for development as host. Following that, the annual alumni council meeting will be held. On the agenda is the election of officers, by-law changes, and the report of the executive secretary.

At 11:45, the past presidents of the Alumni Federation will gather for the Past President's Reception, with host Max Lightner. On the cut at 12:00 noon, the annual Tech Roundup, an outdoor lunch before the game with Grove City, will be held. Special tables may be reserved for the luncheon.

At 1:30, Tech, led by quarterback Tom Hubka, who established several new Tech passing records as a sophomore last year, will meet Grove City. The half-time show includes a performance by the Kiltie Marching Band and Pipers and recognition of an All-Star team composed of post-war players.

Everyone will move downtown for the Fifth Quarter held in the Hilton Ballroom, beginning with a cash bar at 6:00 p.m. Dinner will be served at 7:00 p.m., entertainment will be provided by Benny Benack and his Band, Dave Crantz, Joe Negri, Johnny Costa, and more Pittsburgh entertainers until 1:00 a.m. For DiscoTECH II, why not form a group and reserve a table, or come with a class or clan, or come on your own with neighbors and friends, but don't miss it.

Student activities for the weekend will revolve around the theme "Give My Regards to Broadway," and the students have asked that alumni serve on the judging committee this year.

A complete brochure containing names and places of events has been mailed to all alumni and reservations can be made through the Alumni Office.

"In Honor of Jake"

Carnegie Tech has a new address—and a new entrance—and another new building, dedicated in honor of Dr. J. C. Warner, fourth president.

The new Warner Hall, made possible by a gift of $1,600,000 from Sarah Mellon Scaife and her family, will serve as fitting recognition to Dr. Warner, who guided Tech through most of the ten year development program which began in 1957.

The building was dedicated in his honor during ceremonies held on Friday, Sept. 16.

Mellon Institute-Tech Linked

(continued from preceding page)

Tech president, H. Guyford Stever, added, "The concept of Carnegie University is most challenging. The strength of the Mellon Institute staff, its high quality programs and excellent facilities would contribute greatly to the new University as a center for studies in the basic sciences. As envisioned, the new university—private, limited in enrollment, and emphasizing liberal-professional education—would have great impact on the region and the nation in all areas in which it engages in teaching, research, and in application to society. The proposed plan to create Carnegie University is the most promising occurrence in Tech's 66-year history."

Officers of Mellon Institute would assume posts with duties similar to those which they now hold. Senior research fellows would become faculty members of appropriate rank and department; junior fellows and post-doctoral fellows would become either junior faculty members or continue their full time research appointments; and supporting technicians, and secretarial and maintenance staffs would become staff members of the new university.

Dr. Stever would serve as President of Carnegie University, and the Carnegie Tech vice presidents, deans, faculty members, and staff members would retain their posts.

Details of the proposal are to be presented to the trustees of each institution at meetings during the next few months. If approved by the boards, a plan will be submitted for approval to the Superintendent of Public Instruction in Harrisburg, and to the Court of Common Pleas of Allegheny County.

The creation of Carnegie University is aimed at broadening the scope of teaching and enhancing the quality of liberal professional education for which Tech has long been known, as well as increasing sharply the potential for research. The joining of Mellon Institute and Carnegie Tech into Carnegie University would further advance the cooperative efforts of these neighboring institutions as part of the Council of Higher Education of Pittsburgh.

Tech Helps "Latent-Talent" Students to College Admission

If a high school student, by the time he is in tenth grade, is getting mostly C's and D's—and some F's—and has, as is likely, little interest in academic matters, his chances of finishing high school are very poor and the possibility of his entering college is almost zero. These chances practically fade away if he is from a poor family and from a high school which has no tradition of sending students on to college.

A recent Quarterly review of the Carnegie Corporation tells the story of thirty-three boys and girls who were in just that position two years ago and who have now received acceptances from 45 colleges and universities:

"There is little if any doubt that not one of these youngsters would be going to college this fall if it were not for the School-College Orientation Program in Pittsburgh, a joint project of the Pittsburgh public schools and Carnegie Institute of Technology. The program received partial support from Carnegie Corporation. SCOPP (it is pronounced "scope", if anyone is reading aloud) was developed two years ago last spring, and by the summer of 1964 forty-two students who had completed tenth grade had been invited to join the program. Eleven of the students were white, thirty Negro, and one Puerto Rican; fifteen were girls.

"All of them were considered to be college material, on the basis of tests and the assessments of teachers and counselors, but only a handful were doing well in high school and thought they wanted to go on to college. The mere idea had not even crossed the minds of most.

"SCOPP's program, which included two summer sessions of six weeks each on Tech's campus plus Saturday courses during both academic years, encompassed intensive instruction in fundamental academic subjects—English, mathematics, and biology—and counseling of the students and their parents and the opening up of cultural opportunities to them. Each student received thirty dollars to start building his personal library, and an additional thirty per student was allotted for attendance at selected plays, operas, films, and other cultural and athletic activities.

"For the first summer session, the students traveled to the campus for courses during the first five weeks and lived on campus during the sixth; the next summer they spent the entire time in residence. An observer that first summer wondered how the program managed to lure youngsters who were so unmotivated to study, and concluded that much of the appeal lay in the dignity and prestige of being on a college campus. In order to capitalize on these feelings, one of the first things Carnegie Tech did was to give each student a handsome notebook embossed with the Tech emblem. The teachers also followed the college practice of addressing the pupils as 'Mr.' and 'Miss.'

"There was close cooperation between the schools and Tech. Some of the very best teachers in the school system were enlisted to teach the courses, and Tech professors were to serve as advisers to them. The professors immediately became so enthusiastic about the program that they too began to teach. Thus the youngsters had the advantage of receiving instruction from top-notch high school teachers and college professors as well.

"Toward the end of the two years the SCOPP staff was feverishly busy encouraging the students to take the college board examinations and apply to appropriate colleges, and also establishing liaison with a great many colleges and universities. The result: of the thirty-six who lasted the course (six dropped out), thirty-three are accepted and two are probables for college entrance this fall. Most of the students were presumably accepted on the basis of how well they did on their college boards, because although their grades in their regular high schools showed some improvement, it was not enough to overcome the low grades they had received earlier. William E. Green, the head counselor who is now acting director of the program, lays this curious finding to the fact that the teachers in their regular schools had probably already got a "Fix" on a given youngster and were unable to change it even when the student himself changed. 'All that teacher sees is the same old Knucklehead,' he says. This sort of thing is doubtless common in many schools, particularly in poor areas, where the teachers conclude early in the game that their pupils are 'dumb'—and essentially give up the hope of teaching them much. An additional reason for the students' relatively poor showing on grades is that they were guided into advanced math and science courses which they would never have had the nerve to take without their newly established self-confidence.

"Many pilot projects show initial promise, live up to it—and die. Not so with SCOPP. The new, federally supported Upward Bound program will bring more than 23,000 youngsters to about 220 college campuses this summer for the start of a two-year program almost identical to SCOPP's. Except for one thing: the federal means test is so stringent—that is, a family must be so poor in order for a child to qualify—that the SCOPP people feel that thousands upon thousands of youngsters who need the program just as much will be denied.

"But at least a nationwide start has been made. Appropriately enough, SCOPP will be continued in Pittsburgh as part of the Upward Bound program."

Transportation Research Institute Names Associate Director

Dr. Lester A. Hoel has been appointed associate director of the Transportation Research Institute (TRI) and associate professor of civil engineering at Carnegie Tech.

This fall, Dr. Hoel will divide his time equally between TRI and the Tech classroom where he will teach graduate courses in transportation engineering. During the summer, he directed a full-time study of lightweight, geometrically flexible transit systems and their application to the Pittsburgh metropolitan area. It was the first major project undertaken by TRI and was conducted by a summer staff of 25 professors and students for the Port Authority of Allegheny County.

Dr. Hoel

Before joining the Tech faculty, Dr. Hoel held the title of principal engineer with the firm of Wilbur Smith and Associates, San Francisco. He has taught at San Diego State College, California, and was a lecturer at the City University of New York.

Dr. Hoel is a junior member of the Institute of Traffic Engineers and a member of the Highway Research Board, the American Society of Civil Engineers, Chi Epsilon, Tau Beta Pi and Sigma Xi.

During 1964-65, he was a Fulbright Research Scholar at the Institute for Transport Economy in Oslo, Norway, and a visiting professor of transportation engineering at the Norwegian Institute of Technology in Trondheim.

A graduate of City College of New York, Dr. Hoel received advanced degrees from the Polytechnic Institute of Brooklyn and the University of California at Berkeley.

TRI was formed in February, 1966, under a three-year, $300,000 grant by the Richard King Mellon Foundation. It was established in recognition of the fact that a systematic development of urban transportation is becoming one of the nation's primary and social and technological endeavors.

TRI is designed to (1) perform transportation research for government, private organizations and industry, (2) provide the framework within which conferences and seminars can be organized in areas related to urban and inter-urban transportation, (3) develop a graduate-level education program in transportation and (4) advance education and contribute to scientific knowledge in the field of transportation.

Placement Office Offers New Service to Alumni

Combining electronics and inventiveness, Carnegie Tech's Placement Bureau has put into operation a new program to help graduates find better jobs.

The system is called GRAD, the acronym standing for Graduate Resumé Accumulation and Distribution.

GRAD allows "the qualifications of an alumnus, interested in new employment and endorsed by his ce[illegible] to be scanned on a nationwide basis by employers," explains E. F. Ventrua, Alumni Placement Officer. Cost of the service is $10.

How does the GRAD system work? There are six basic steps, as follows:

1. The alumnus notifies the director of his interest in GRAD.

2. The Placement Director conducts any necessary counseling. If the alumnus will benefit from GRAD, he is given a GRAD resumé form with the Placement Director's endorsement.

3. The alumnus sends the completed resumé and $10 to the College Placement Council.

4. GRAD's Data Center extracts a major job title and 20 selectors from the resumé, storing them in an electronic file.

5. Employers search the electronic file, ordering copies of resumés meeting specifications. If interested, they contact the alumnus directly.

6. When the alumnus accepts a new job, he notifies GRAD and his Placement Director. If no employment results within six months, the applicant is removed from the file and the Placement Director informed of the number of times the applicant's resumé has been referred to employers. Additional counseling is provided as needed.

To be eligible for participation in GRAD, Mr. Ventura points out, the alumnus must have one year of full-time work experience since receipt of his most recent degree. Such experience includes the military and the Peace Corps.

GRAD is programmed to prevent resumés being sent to the applicant's present employer, Mr. Ventura said, adding that civil rights safeguards are emphasized by limiting the electronic search to selectors of a non-discriminatory nature.

GRAD was devised to allow the Placement Director to devote more time to highly-personalized placement and counseling programs. The system is not to replace these functions.

Additional information about GRAD or other placement services may be obtained from Carnegie Tech's Bureau of Placements.

Mr. Cratsley

Mel Cratsley Resigns; New A.D. And Basketball Coach Named

Frank (Mel) Cratsley, who has been associated with Carnegie Tech athletics, as player, coach, and athletic director for almost 30 years has announced his resignation to accept a similar position at Point Park College, Pittsburgh.

Mel, who has been athletic director for the past 14 years and basketball coach for 17 years, has compiled a career record of 172 wins and 208 losses, and last year coached the winningest team in Tech history, with a season record of 16-6.

Succeeding Mel as athletic director will be Ray Haynes, who was named director of athletics and physical education. Haynes, who has been associate professor and head of physical education, will now assume the title of director of athletics and physical education. He has been on the Tech faculty since 1948.

A native of Whitaker, Pa., and a graduate of Slippery Rock State College, he received a masters of education degree at the University of Pittsburgh, and is now working toward his doctorate at West Virginia University. At Slippery Rock, he earned varsity letters in soccer, basketball, and baseball.

Mr. Fassinger

Mr. Haynes

Mr. Haynes coached football, basketball, and baseball at Franklin Township High School, winning the Westmoreland County Class B championship in basketball in 1941. He served in the Navy from 1942 to 1945, and from 1946 to 1948, he was an instructional training officer with the Veterans Administration.

Mr. Haynes has been both vice president and president of the Pennsylvania State Association for Health, Physical Education, and Recreation. He is also a past president of the Allegheny County Association for Health, Physical Education, and Recreation, and a past chairman of the college and university division, Eastern District Association.

The new basketball coach is Irwin Moe Fassinger, who assisted Mel for the past 17 years. Moe is widely known and respected for his basketball knowledge and his choice comes as no surprise to the Pittsburgh community.

He played basketball in Pittsburgh's old Municipal League, the finest semi-pro league around at that time and has coached at St. Casimir High School and in the service with the 38th Transportation Carrier Squadron team.

He is married and the couple has one daughter.

Ten Alumni Will Be Honored at Homecoming

Friday, October 14, 1966, will be a memorable day for the ten distinguished alumni who have been selected to receive this year's Merit and Service awards.

From scientists to architects, the six Merit Award winners represent a wide range of professions. While their interests may vary, each shall be lauded for his "service and accomplishment in any field of human endeavor that brings honor to the recipient and his Alma Mater. The contribution need not necessarily be one in which public acclaim is emphasized but may consist of important creative effort in organization and development having social or educational value."

Edwin R. Broden, E'26, is currently president and chairman of the board of SKF Industries, Inc. A resident of Philadelphia, Pa., Mr. Broden is active in a number of professional organizations. He is a past president of both the Anti-Friction Bearing Manufacturers Association and the Manufacturers Association of Greater Philadelphia.

Rudolph R. Dean, E'23, is a petroleum consultant. He was formerly president of Bay Petroleum Company which is affiliated with Tennessee Gas Transmission Co. A resident of Houston, Texas, Mr. Dean is president of The Music Guild, on the Board of Directors of the Houston Symphony Society, and on the Board of Directors of the Houston Grand Opera Association.

A professor of physics at the Palmer Physical Lab at Princeton University, Marvin L. Goldberger, E'43, is ranked high among the nation's theoretical physicists. He has been honored several times for contributions in his field. In 1961 he received the Dannie Heineman Award for mathematical physics. He also holds a chair at Princeton as the Eugene Higgins Professor of Theoretical Physics.

According to the Cleveland Plain Dealer, K. Elmo Lowe, A'24, is an "accomplished actor, a skilled director, and an authority on the technical side" of theatrical productions. In a feature story on another of Tech's distinguished alumni, the Cleveland paper pointed out Playhouse Director Lowe's many contributions to the drama scene.

Architect Dahlen K. Ritchey, of Deeter, Ritchey & Sippel, graduated from Tech in 1932. Residing in Bradford Woods, Pa., Mr. Ritchey has played a significant role in Pittsburgh's development. For distinction in his field, he has received the Man of the Year in Architecture award and the Pittsburgh Junior Chamber of Commerce award.

Frederick D. Rossini, E'25, is dean of science and associate dean of the graduate school at the University of Notre Dame. A resident of South Bend, Indiana, Dr. Rossini has received numerous awards during his lifetime. Some of the latest include the Pittsburgh Award of the American Chemical Society in 1959, the Wetherill Medal of the Franklin Institute and the Laetare Medal in 1965 (the highest award given from the University of Notre Dame), and the Nichols Medal of the New York American Chemical Society Section in 1966.

Tech's Service Award is presented for "meritorious service to Carnegie Institute of Technology or any of its alumni organizations and in excess of service rendered for which remuneration is received."

Meritorious service is defined as "unusual service in the form of active participation in alumni or school affairs, faithful and continued effort in maintaining class or other alumni organization, making or securing donations or assisting in expanding the usefulness, influence and prestige of Carnegie Institute of Technology."

Mary Creighton Brinton, M'11, has served enthusiastically since graduation. In 1919 she was the program chairman for the first post-war Bridge Alumnae Party. She has also been in charge of the Woman's Clan Benefit which raises money for scholarships and was chairman of the foods bazaar for the Carnegie Corporation Fund Drive. More recently, she was captain of the Alumni Fund Drive and was a member of the executive board of Margaret Morrison Alumnae Association.

Maxwell H. Connan, E'39, is president of The Conart Co., Inc.; the Impact Extrusion Products, Inc.; and the Electric Components, Inc. A resident of Glen Head, L.I., N.Y., Mr. Connan has served the clans for many years. As president of the New York Clan, he completely reorganized the clans in that area. In order to serve Tech alumni better, he divided the New York Clan into four smaller units: the Long Island Clan, the New Jersey Clan, the New York Clan, and the Westchester Clan.

Dorothy Ann Litwar Fleischmann, M'50, has put a great deal of effort into her job as secretary of the New York Coordinating Council. A resident of Jackson Heights, Mrs. Fleischmann is credited with being a moving spirit in the New York clans.

John Howard Joynt, E'25, is a patent lawyer in Washington, D.C. He is a member of the American Bar Association, the American Patent Law Association, the Alexandria Civic Association, and the National Trust for Historic Buildings. He has also served as a member of the board of trustees and past president of the Historic Alexandria Foundation.

CAC Experiences Spectacular Growth

The Carnegie Admissions Council (CAC), surging with new life, is streamlining itself to meet realistically its obligations to Carnegie Tech and higher education generally.

In reporting its broadened policies and some alterations in its organization, CAC also revealed some impressive statistics about its growth in the last three years:

	1963	Now
Chapters	4	37
Members	23	350
Schools serviced	39	430

Unsatisfied by mere routine approaches, CAC members are brainstorming for new ideas and avenues to student recruitment. More than ever, they are participating in career forums for secondary school pupils and parents' organizations.

CAC members, acting as "consultants" in their specialized fields, are gaining respect in secondary schools while contributing to education generally. For example, CAC participation in programs with guidance counselors, such as workshops conducted by Admissions Staff members, are proving helpful to many schools.

Social functions for CIT applicants, students already admitted, current students and parents are developing closer relationships and becoming more informal, many being held in the alumni's home.

Closer follow-ups are being maintained on CIT-caliber youngsters. Various forms, devised for this purpose, are assisting advisors in these procedures. Meanwhile, phone calls, letters and personal interviews to initially interest students in Carnegie Tech are paying off with increased applications to the school. While this does not insure that all will be offered admission nor that all will accept, it demonstrates that "spreading the word" stimulates interest.

Organizationally, CAC has decentralized in areas where it is practical. Chicago and Philadelphia, for example, now have District Chairmen. In large metropolitan areas such a plan distributes responsibility and permits closer relations between the Area Chairman and the Alumni Advisors under his supervision, thus increasing the operation's efficiency.

CAC is also participating actively in programs where Carnegie Tech's Cameron Choir and Kiltie Band appear; St. Louis, Rochester, Boston and Buffalo are a few recent examples.

Finally, CAC reports its members are thinking more in terms of education in general, in addition to their particular interest in Carnegie Tech. The CAC Bulletin and visits of the Admissions Staff are emphasizing the importance of such thinking and its indirect benefit to Carnegie Tech.

Graduate Study Quality And Effectiveness Measured

The principal topic of discussion on American campuses this summer has been the revelations of a slender, blue, paper-backed book published by the American Council on Education, entitled *An Assessment of Quality in Graduate Education*—a comparative study of graduate departments in 28 academic disciplines, or, if you prefer, a magnificent collection of gossip by experts.

"Excellence, by definition, is a state only the few rather than the many can attain," is the opening remark of the preface by Logan Wilson, President of the Council. The fact that many aspire to it, and almost as many think they have achieved it, accounts for the popularity of the study as a topic for debate. Carnegie Tech offers graduate degrees in only nine of the 28 departments included in the study, and was number one in none of them; however, in many ways the study can be a matter of pride for Tech alumni, and certainly a basis for planning in many others.

The study rated departments in two ways: quality of graduate faculty, and effectiveness of the graduate program. Schools did not necessarily rate the same under the two different sets of criteria. In general, the large universities rated higher under quality of faculty than they did under effectiveness of program; although certain schools dominated the upper strata of both lists. The study clearly showed that *the* outstanding university in America today is the University of California, at Berkeley, followed by Harvard, Stanford, Columbia, Illinois, Yale, Princeton, Michigan, Cal Tech, M.I.T., Chicago, and Wisconsin. Had it not been for its low rating in engineering departments, Harvard would have been on top, for it led in humanities, social sciences, biological sciences, and physical sciences. M.I.T. led in engineering; but California was number two in every field, and thus took tops in total points.

How did Carnegie Tech fare:

We were 13th in economics.

21st in physics.

13th in chemical engineering.

12th in electrical engineering.

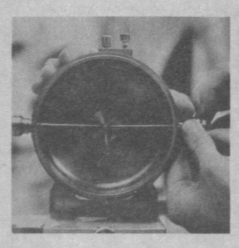
We were "Good" (which is just below the numerically ranked categories) in psychology.

"Good" in chemistry.

"Adequate plus" in mathematics.

"Good" in civil engineering.

"Good" in mechanical engineering.



To clarify these categories we should note that the top of the list is "Distinguished." This group contains the top four or five schools. Next comes "Strong" and in this group are our four ranked departments. Next comes "Good," and in this group the schools are listed alphabetically, without ranking. Next comes "adequate plus." Below that apparently came the rest of the adequates, the marginals, and the too poors to provide satisfactory doctoral education.

Taking them individually, we can look in more detail at each of our departments included in the study.

Leaving the four engineering departments for the moment, Carnegie Tech made a fine showing in economics. Here we were rated number 13, in the following list of schools: Harvard, M.I.T., Chicago, Yale, California, Stanford, Princeton, Michigan, Columbia, Wisconsin, Minnesota, Northwestern, Carnegie Tech, Pennsylvania, Johns Hopkins, U.C.L.A. The top seven of these were rated "Distinguished," and the remainder, "Strong."

However, in the rating according to effectiveness of the graduate program (the other rating was based on quality of faculty) we move up to number 11, into a rating made possible by the downgrading of Columbia and Minnesota, which take positions 13 and 14, with Johns Hopkins moving up also to twelfth. This move follows a pattern which seems to be set in the entire study—that the smaller institutions and departments tend to move up on the effectiveness rating, with some of the very large departments moving down. Part of the reason for this will be seen later but it is probably true that a large number of the most distinguished faculty tend to settle in a relative few large and well-financed departments, and that in these departments these men do relatively little teaching. If so, the effectiveness of the program as rated would show this when compared with a ranking based on "big names" only.

Since economics is one of the disciplines which is given a special explanation in the study, there is more that can be told about some of the ins and outs of the ratings. For instance, although it is evident throughout the study that there is a close correlation between a high rating and the number of publications by faculty members, it is also clear in the economics break-down that a majority of publications are being produced by faculty at only a few institutions. Since our faculty at Carnegie Tech is fairly prolific at the word game, we can assume that that fact did us no harm in the ratings.

In Physics, Carnegie Tech also ranked in the "Strong" departments, as number 21 (departmental chairmen, among the questionnaire respondees, ranked us 19th). The "Distinguished" category in physics included California, Cal Tech, Harvard, Princeton, Stanford, M.I.T., Columbia, Illinois, Cornell.

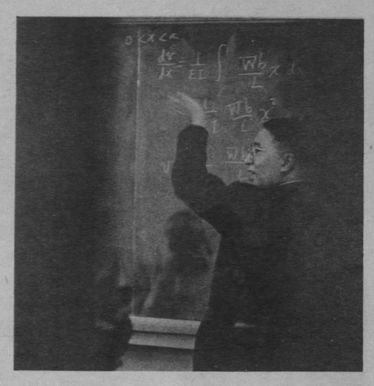
It is also of interest to note, in relation to physics, that of "similar" institutions, only Cal Tech and M.I.T. outrank us. In the next lower category are Case, Purdue, and Rice (and Pitt); two categories below are Brooklyn Poly and Rensselaer. No other "institutes of technology" are included. Another point of interest are the two institutions which are rated immediately ahead of Carnegie Tech—U.C.L.A. and Johns Hopkins, tied for 19th.

In psychology, Carnegie Tech is rated as "Good," but no ranking is given in this third category of excellence. In the list based on effectiveness of program we have a similar rating of "acceptable plus." No other "institute of technology" is rated at all in the area of graduate study in psychology.

In mathematics, also, we are out of the numerical rankings—in the "adequate plus" category—below M.I.T., Cal Tech, Purdue, and Rice. But we five are the only comparable institutions included at all.

In the engineering departments, electrical and chemical take the highest honors. Electrical engineering is ranked 12, or "Strong" (M.I.T. is number 1, Cal Tech 5th, Brooklyn Poly 6th, Purdue 9th, Case 22nd); and in effectiveness of program it is 14th.

Chemical engineering is ranked 13th, "Strong" (M.I.T. is 2nd, Cal Tech 9th, Rice 14th); and in effectiveness of program, also 13th.



Both civil and mechanical engineering are in the "Good" group, but the scores made available to the departments indicate that we must be either first or second in that group—just out of the numerical rankings. In effectiveness of program, too, both departments are at the top of the "acceptable plus" group.

There are some interesting comments possible on some of the specifics of the study. Our strong rating in electrical engineering, and in fact our ratings in all the engineering departments are noteworthy in view of the fact that our Ph.D. program is relatively a recent thing among the "competition."

One large university which is rated "Strong" and therefore above Carnegie Tech in civil engineering apparently owes its position on the scale at least in part to the reputation of its department head, who some years ago was the author of a very popular textbook. Yet, in the several years since he came to the university as head, he has done little or no research at all. This "historical halo" is visible around the brows of several of the departments throughout the ratings—and is, indeed, discussed by the author of the study.

There is little doubt, for instance, that in the two years or more since the questionnaires originated (and in the three or four years since most of the respondees' minds were made up) our math department has moved steadily upward, both in effectiveness and in quality of faculty. In math, too, it is likely that Ohio State's history has led to its being overrated. Rice, on the other hand, has not only had a long history of excellence in math, but it still deserves its rating.

As alumni, readers are probably more interested in rankings of departments by the effectiveness of the teaching program than by faculty fame. We have no need to get involved in the teaching vs. research controversy here—indeed, at Carnegie Tech this controversy, if it has existed, seems to be pretty satisfactorily resolved—, but it is nice to note that in most of the departments where we are out of the numerical rankings we consistently fall into the higher of the unranked positions on effectiveness of our program. In mathematics, for instance, we join the Virginia's and Pennsylvania's (which had high ranking on faculty fame) and Rice, in effectiveness immediately below the top twenty ranked schools.

It might also be deduced, from the close correlation cited between publications and rating in the scale, that we have here a self-perpetuating factor, measuring itself, in effect. If quality of faculty ratings is to be based primarily on publications, then we must first agree that publication is indeed a true rating of quality.

continued on next page

How Carnegie Tech Was Rated

Leading Departments by Quality of Graduate Faculty

Distinguished: None

Strong: Economics (13),* physics (21), electrical engineering (12), chemical engineering (13).

Good: Psychology, chemistry, civil engineering, mechanical engineering.

Adequate plus: mathematics.

Leading Departments by Effectiveness of Graduate Program

Extremely Attractive: None

Attractive: economics (11), chemical engineering (13), electrical engineering (14).

Acceptable plus: psychology, chemistry, physics, mathematics, civil engineering, mechanical engineering.

**Number in parentheses indicates numerical rank.*

This suspicion can't ever be completely eradicated from studies of this sort; but the author has done some statistical studies of the results in an effort to minimize it. Too, it must be granted that fame, rather than notoriety, is indeed part of faculty quality in the graduate area and that it is based largely on research. The good researchers do indeed publish their results, and reputations grow thereby. Still, statistical analysis showed that members of the top departments did not necessarily all rate each other alike. Ratings from members of top, middle, and lower groups all showed the same curves, although members of departments at the lower end of the scale tended to rate themselves higher than did those at the prestige group. But at the upper end, there was also variation between ratings of all respondents and ratings by members of the publication-prone departments. The variations would not lead to any real change in rankings—what they seem to indicate is that members of the top departments thought that the best ones were a little better and the worst ones were a little worse than did their colleagues from the less distinguished departments.

Another positive correlation was made between ratings of quality and salaries, as revealed by several independent salary surveys. Still another positive correlation was shown between quality and good libraries on campus. The most interesting point about libraries, though, is that in the specialized or technical institutions, the usual measures of library quality do not correlate. Here, Carnegie Tech, Cal Tech, Case, Brooklyn Poly, Georgia Tech, Illinois Tech, Lehigh, Rensselaer are all at the bottom of the list of "good libraries" (rated by size of collection). And Rice and M.I.T. are only slightly higher. In the fields in which we excel, evidently, the large library collection is much less important than the current scholarly and scientific journals, and the more current technical books.

News Conducts Undergrad Study Survey

So much for graduate study. The *Alumni News* has compiled its own panel of experts to rate the quality of undergraduate education in our five engineering departments, and those results are given below.

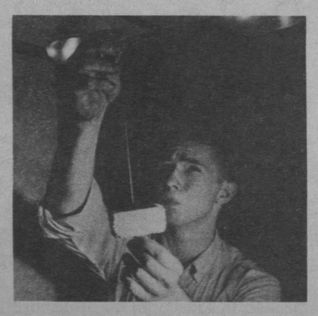
In every instance, Carnegie Tech ranks in the top ten departments. We have not been able to pin down our respondents in every case to a ranking of departments from one to ten in each field, for various reasons. Primarily, as stated by our electrical engineering experts, it is really impossible to find a realistic measure of quality. A department that might be good for one student might be bad for another; it is very difficult, even in the case of the ACE study described above, to determine what are the parameters used by the people judging departments; still, we have some interesting pronouncements:

We have one numerical measure of quality in electrical engineering, not available to other departments, in the Eta Kappa Nu annual "Outstanding Young Electrical Engineer" award. Carnegie Tech has had more of its baccalaureate degree holders as winners of this award than any other university (and only M.I.T. has had more graduate degree holders as winners than Carnegie, while we continue with the highest total of undergraduate plus graduate). As a measure of effectiveness which is almost self-evident, these awards confirm our standing in the graduate quality study, and move us very close to the top in undergraduate programs. Other members of the "top ten" undergraduate departments as nominated by our panel are: M.I.T., Stanford, Illinois, Purdue, Michigan, California, Cal Tech (because of its physics adjunct rather than for E. E. itself), and maybe Cornell and Rice.

In metallurgical engineering, which was not covered in the graduate quality study, Carnegie Tech and M.I.T. stand alone at the top, overlooking a lonely vista of materials sciences. This limelight position is confirmed by scientists and engineers from all over the country, as well as our own panel.

In chemical engineering, again, our panelists agree that we rate in the top ten departments, but no numerical rankings were forthcoming from this group.

In civil engineering, our panel suffered some little disagreement among its members, but agreed on the positive statement that we could not be lower than ninth, and were probably higher than that. A verifiable measure is the number of B.S. degree holders at Carnegie, not necessarily top men in their classes, who go to other universities and become the top graduate students there. We could not get a listing of the top nine, but, using the ratings given in the study of graduate department quality, the *Alumni News* experts decreed that M.I.T. should move ahead of California and Illinois (both of which should drop far down the list), while Carnegie Tech and Case should both move way up. In general, the panel felt that in the huge universities (Illinois, for instance, has almost 100 faculty in civil engineering) the distinguished professors teach only graduate students, while the undergraduates are often taught by ordinary people, like any other college.



In mechanical engineering again, without being willing to make a one-two-three ranking of departments, our panel of experts agreed that Carnegie Tech could well be in the top ten, moving up the list from its standing in the graduate survey. Other members of the top group would be Stanford, California, M.I.T., Case, RPI, Purdue, Cal Tech, with Michigan and Illinois losing some stature, but remaining in the elite ten.

In conclusion, our vice-president for academic affairs, Dr. Edward Schatz, E'42 (Ph.D. '49), has pointed out the geographical extremes in quality shown by the survey. Between the Hudson River and Chicago, only eight distinguished departments are found in the ratings, and that includes six in the University of Michigan. Of private schools in the region, only Cornell, Duke, and Rochester seem to have the balance of quality found here at Carnegie Tech. Andrew Carnegie said, "My heart is in the work." We still have a lot of work.

Among the schools with which we often compare ourselves the situation seems to be—at the top, M.I.T. and Cal Tech; then, after a substantial gap, comes Carnegie Tech. After a somewhat smaller interval come Case, Rensselaer, Lehigh, Brooklyn Poly—and then the also rans.

One well-known academician, speaking of the graduate survey, said, "A compendium of gossip is still gossip." Another professor, this time from Cal Tech (who must be considered distinterested in the light of Cal Tech's high standing) claims the survey actually measures nothing at all, and for the wrong reasons. Still, our *Alumni News* panel, generally, agrees that the rankings, as listed, are pretty accurate—those good schools *are* good.—D. B.

Mr. Greiner

Fund Exceeds Goal For First Time

Carnegie Tech's Annual Alumni Giving Program topped its goal in 1965-66 for the first time in its history with a total of $335,325, it was announced by Walter R. Collins, director of alumni giving.

The goal set for the alumni was $335,000.

Mr. Collins also disclosed that the Alumni Federation has announced a goal of $360,000 for the 1966-67 campaign and the selection of Robert P. Greiner, 1936 engineering graduate, as National Chairman. National co-chairman will be John R. Challinor, engineering, 1937.

The soaring success of the recent fund drive was directed by Mr. Collins and outgoing National Chairman William A. Conwell, engineering, 1929.

Leading the 1965-66 campaign over the top were the Highlanders, who had their greatest year with contributions totaling $223,159.84. They were directed by Highlander Chieftain Donald C. Blackwood, engineering, 1936.

In addition to the Highlanders' sum, Mr. Collins' final report showed, supporting gifts totaled $51,988.01; general, $43,120.55 and matching gifts, $17,056.25 for $335,324.65. To that figure, alumni giving through life income added $207,575.64, while alumni bequests, cumulative, contributed $138,292.20. The grand total was $681,192.49. The report was signed by Mr. Collins and Alvin P. Brannick, director of estate planning.

Contributors in each category of alumni giving were: Highlanders, 817; supporting gifts, 1,649; general, 4,620, and matching gifts, 337, for a total of 7,423. In 1964-65, a total of 7,290 contributors raised $312,310.26.

The largest contribution in the 65-66 campaign came from the area with the most alumni, Pittsburgh. Of 9,180 alumni, 1,972 gave $85,425 or 79% of their goal of $108,225.

The area with the highest percentage of giving was Philadelphia, where 281 of 802 alumni contributed $15,879, or 220% of their goal of $7,200.

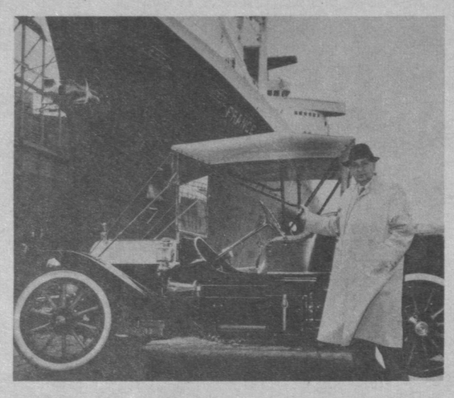
Thirty-nine contributors out of 100 alumni in Houston gave $1,600 or 200% of their $800 goal.

The Detroit area led with the highest percentage of contributors, 193 out of 300 alumni, or 64.3%. They gave $6,607, or 67% of their goal of $9,800.

In addition to Philadelphia and Houston, other areas exceeding their goals were Baltimore ($4,117), Buffalo ($3,544), Cleveland ($11,284), Rochester ($2,747), Westmoreland County ($5,273), Cumberland Valley ($657), Dallas ($655) and the Chemistry Clan ($2,171). Butler County reached 100% of its goal with $2,400.

There will be 30 areas of solicitation this year, two more than last year. The new areas are Youngstown and Columbus, Ohio. Personal solicitations for all 30 areas will occur in October and November.

Chairman Greiner, president of Vander Voort & Co., Inc., Pittsburgh, has asked each alumnus to dedicate himself to the success of the 1966-67 campaign. Co-chairman Challinor is sales manager of Westinghouse Electric, Pittsburgh.



Fred E. Haller, an architecture student at Carnegie Tech in 1923, stands beside his 1909 Chalmers-Detroit runabout. Mr. Haller and his car were the subjects of articles in a recent issue of "The Bulb Horn", the magazine of The Veteran Motor Car Club of America, Inc. One article, written by Mr. Haller, tells of his 5,000 mile, six weeks' trip through nine European countries in the old car.

In the account, titled "Denmark to Paris," Mr. Haller tells of running the 1909 auto at speeds up to 90 mph in France for a television program. After the program was broadcast, he reports, ". . . people would gather and say, 'This is the fast automobile from America.' " Having enjoyed his tour and having made many friends, Mr. Haller commented in his article, "While touring Europe, in these six weeks, I do believe . . . I had a better calling card than any diplomat with my 1909 Chalmers."

Mr. Haller's picture appeared on the cover of the magazine, and several pictures accompanied the article. A "personality" article about Mr. Haller entitled "A Rebel from Pittsburgh", was printed in the same issue of the magazine.

Dr. Paxton

Paxton Named To Head Metallurgy

Dr. Harold W. Paxton, 39, has been appointed to head Carnegie Tech's Department of Metallurgy and Materials Science, effective September 1.

Dr. Paxton, a professor of metallurgy, succeeds Dr. William W. Mullins who becomes dean of Tech's College of Engineering and Science.

Dr. Paxton has held the Firth Sterling Chair of Metallurgical Research at Tech and is the author of more than 40 articles on metals and metallurgical research for major scientific publications. Currently, he is directing various research projects at Carnegie Tech for the federal government.

A native of Yorkshire, England, Dr. Paxton received his bachelor and master's degrees from the University of Manchester and his Ph.D. from the University of Birmingham, England.

He has been at Carnegie Tech for 14 years. Dr. Paxton served as an E.C.A. Fellow at Tech in 1949-50, then was a Research Fellow at the University of Birmingham from 1950-53. He returned to Carnegie Tech in 1953 as an assistant professor of metallurgical engineering and research metallurgical engineer in the Metals Research Laboratory.

Dr. Paxton is a member of the American Society for Metals; the American Institute of Mining, Metallurgical and Petroleum Engineers; the Institute of Metals (London); the Iron & Steel Institute; the Society of Aerospace Materials & Processing Engineers, and the American Association for the Advancement of Science.

He and his wife Ann are the parents of four children. They live at 115 Eton Drive, Pittsburgh.

Johnson Named New Development V.P.

John G. Johnson, a Carnegie Tech graduate and Pittsburgh area native, has been named as Vice President for Development at his alma mater.

Mr. Johnson, who also previously served as Executive Secretary of the Alumni Federation at Tech, succeeds H. Russell Bintzer, who joined California Institute of Technology in the same position on August 1. Immediately prior to coming to Tech, Mr. Johnson was Vice President for Financial Development at Butler University, Indianapolis, Indiana. He assumed his new position in Pittsburgh on September 1.

In making the announcement, Dr. H. Guyford Stever, Tech president, stressed the need of private universities to continue to merit increasing support from alumni, corporations, foundations, and interested individuals. "Mr. Bintzer has given us strong leadership in this area since the start of our development program almost ten years ago," he said. "Quality private education has long been an essential part of this country's educational progress, and the appointment of someone on a high administrative level, whose main concern is planning for future resources, guarantees the continuance of such progress. In Mr. Johnson, I believe we have found a young, yet experienced administrator, who will greatly enhance our programs of cooperation with those sectors of our society most concerned with private education."

A native of Irwin, Pa., Mr. Johnson served in the U. S. Artillery, European Theater, from 1943 to 1946 and enrolled at Tech following his discharge. He received a B.S. degree in Management Engineering in 1949 and spent five years in industry before returning to his alma mater in 1954 as associate secretary of the Alumni Federation. He was named executive secretary in July, 1958, and held that position until 1960 when he was named associate director of the American Alumni Council. In 1962, he became director of that group which serves 1,150 educational institutions throughout the United States.

Mr. Johnson joined Butler University in 1964 and has been responsible for directing the activities of the alumni office, public relations, and all fund-raising programs.

Mr. Johnson

He is the author of various articles on alumni relations and educational development. Mr. Johnson is married to the former L. Jane Wyncoop, also of Irwin, and the couple has two children.

Engineers Must Help Society Says New Engineering Dean

Dr. William W. Mullins, a metallurgist who wants engineers to help solve social problems as well as those caused by the caprices of nature, has been named dean of Carnegie Tech's College of Engineering and Science.

Dr. Mullins, head of Metallurgy and Materials Science, assumed the new post September 1, succeeding Dean B. Richard Teare, Jr. Dean Teare has been appointed Institute Professor of Engineering and will continue teaching at Tech.

Engineering and Science remains Tech's largest college. It had a total enrollment of 2,121 students last year.

Dr. Mullins sees a need for "a closer relationship between the engineer and the sociologist," and calls for engineers to look at the "social and practical needs of mankind."

In addition to traditional problems of man against nature, such as building dams, leveling mountains, invading space, he said engineers now need to be "concerned also with man against the problems arising out of the man-made world, problems such as urban development, pollution, automation."

Noting that "more and more reliance must be put upon engineers as our society becomes more and more complex," Dr. Mullins said that engineers can make even greater contributions to society than they have in the past, but he added that there is a need to emphasize the ethical responsibility of engineers and scientists.

Dr. Mullins hopes to give engineering and science students more exposure to related disciplines, "relating them to the other poles of strength on the campus." He said, "We need to explore further the possibilities of taking advantage of Tech's strong economics and administration areas, its strong humanities and social science areas, as well as its outstanding fine arts school in developing more concern and appreciation for the broad setting within which engineering operates."

This means some changes in organizational structures, both on and off campus, for the engineering and science curriculum. Dr. Mullins proposed closer ties with industry through such things as special coordinating institutes.

He expressed strong concern that the utility of the basic sciences has made us lose sight of the humanistic cultural roots of these fields. He called for a reaffirmation of the importance of the intellectual, philosophical foundation of the sciences, lest the springs of original creative thought dry up.

Noting a need to "stimulate and encourage outstanding teaching," Dr. Mullins said he is considering seminars on teaching methods by acknowledged leaders in the art.

Dr. Mullins is a native of Boonville, Indiana, and received his three degrees in physics from the University of Chicago. Before joining Carnegie Tech's faculty in 1960, he was employed by Westinghouse Research Laboratories, doing basic research in metal physics.

He is a member of the American Institute of Mining, Metallurgical and Petroleum Engineers: Member, Education Committee, Pittsburgh Chapter; the American Physical Society; American Society for Metals; Sigma Xi; the New York Academy of Sciences, and the American Society for Engineering Education. This summer he was chairman of the 1966 Gordon Research Conference on Physical Metallurgy in Meriden, New Hampshire.

Dr. Mullins has authored many papers in his field, and has been honored as the recipient of a Guggenheim Fellowship and Fulbright Grant, University of Paris, and the Matthewson Gold Medal, American Institute of Mining, Metallurgical and Petroleum Engineers.

He and his wife, June Bonner Mullins, are the parents of four children. They live at 509 South Linden Ave., Pittsburgh.

Dean Mullins

Winter Trips To Bermuda-Switzerland Planned

Thanksgiving weekend in Bermuda or a week in Switzerland in January are among the upcoming trips planned by the Alumni Office for contributors to the 1965-66 Annual Alumni Fund.

The Bermuda trip is a repeat of last year's successful venture in which over 80 Tech alumni took part. The group will leave Greater Pittsburgh Airport at 7:30 a.m. on Thanksgiving morning for New York. Passengers may join the excursion there for an 11:15 departure, arriving in Bermuda at 1:05 p.m.

Included in the low ($200.00 from Pittsburgh and $165 from New York) fare is three days at the fabulous Princess Hotel, including two meals daily, transfers, and tax and tips on room, meals, and luggage.

Six nights at the Lausanne Palace Hotel, including breakfast and dinner daily, airport transfers in Lausanne, and taxes and tips on meals and luggage will be featured for just $299 on the January 15-22 trip to Switzerland. The flight will originate in New York.

Deposits of $100 per person are being accepted by the Alumni Office and a cancellation fee of $10 will be charged. You can make your reservations for either of the trips by sending a check to either Alumni Office—Bermuda, or Alumni Office—Switzerland, Carnegie Tech, 5000 Forbes Avenue, Pittsburgh, Pa. 15213.

For the Bermuda trip, please state whether you will join the tour in Pittsburgh or New York. Point of origin and return destination must be the same.

A detailed brochure on both these exciting trips will be available by October 1. All 1965-66 Alumni Fund Contributors and their dependents (husband, wife, dependent child, or parent living in the same household) are eligible for either of the journeys.

First "Suitcase Computer" Developed by Tech Engineer

The world's first portable suitcase computer station designed to keep modern man in instant communication with stored information anywhere in continental North America, has been developed at Carnegie Institute of Technology.

The compact, hand-carried device—called Dataport—was designed and developed by Jesse T. Quatse, engineering development manager at Tech's Computation Center.

Dataport is a computer terminal. It will "plug in" to the largest computer available anywhere in North America, giving its operator full use of that computer.

Dataport can be operated from the operator's home, office, hotel room or—with slight modifications—from his car.

The two-component device consists of Typing Unit and a Control Unit, each measuring only 14½ inches x 19 inches x 9½ inches. Each component is smaller than the average suitcase. The Typing Unit weighs 37 pounds and the Control Unit weighs 39 pounds.

Dataport operates via an ordinary telephone. The computer terminal is plugged into any regular A.C. electrical outlet. The telephone receiver is placed into the computer's telephone interface, a component of the Control Unit. Then, by ordinary dialing of the phone, the Dataport operator is put in communication with the computer he seeks to contact.

By use of the typing unit, a teletype device, the Dataport operator programs his problem to the master computer. The answer is returned to the Typing Unit at the rate of 10 characters per second. An automatic device on Dataport permits the operator to leave it unattended and still receive his answer anytime the master computer sends it.

When fully operational, Dataport draws about 400 watts, roughly one-half the wattage used by an average household iron.

Mr. Quatse said the purpose of Dataport is "to provide ubiquitous information," that is total access to any computer in the United States, Canada and parts of Mexico, from any point where there is a telephone. Although Dataport operates over Bell Telephone system lines, there is no extra charge involved. Only regular long distance rates are levied.

There is no computer device similar to Dataport anywhere in the world, Mr. Quatse said. The first 16 machines will be purchased by Carnegie Tech. Eventually, Dataport will be available to schools, industries and individuals.

According to David H. Nickerson, acting director of Tech's computation center, plans call for the machines to be used by Carnegie Tech personnel delivering lectures in other parts of the country, for faculty members, who will be away from Tech for extended periods, but who want access to the computer, on loan to persons needing information stored in the Tech computation center, and by various faculty and graduate students for intensive research projects.

A potential business use of the unit may be as a third party in a sales conference where the machine will be available to both salesman and customer as a tool for producing—at the touch of a finger—all company, product and past sales records.

With patents applied for, Dataport is now being produced by a Pittsburgh firm headed by Mr. Quatse. Full production, he said, is expected by this fall.

The man behind the machine said it took him about a year to develop Dataport after he first conceived it.

Mr. Quatse holds two degrees from Carnegie Tech; a bachelor of science degree in physics (1958), and a master of science in electrical engineering (1962). He has completed all requirements for his Ph.D., except thesis. He has been manager of engineering development at Tech's computation center since 1963.

Before coming to Tech, Mr. Quatse was a Pittsburgh public school teacher; Engineering Group Leader, and later engineer, Control Data Corp.; and engineer, Bendix Computer Division.

Mr. Keppel

Mr. Kennedy

Dr. Pake

Sister Jacqueline

Ph.D. Number 1,000 Awarded at Commencement

Carnegie Tech awarded its 1,000th Ph.D. degree during the school's 69th Commencement ceremony June 6, at which some 1,080 students were graduated.

Approximately 680 undergraduate degrees were granted at the event held on the campus mall. Almost 400 graduate degrees, including more than 100 Ph.D.'s were awarded also. It was among the latter that the 1,000th doctor of philosophy recipient was recognized.

The graduating class represented 40 states, the District of Columbia and 27 foreign countries.

Francis Keppel, board chairman of the General Learning Corporation, who recently resigned as Assistant Secretary of Health, Education and Welfare (for education), was the commencement speaker. Mr. Keppel, generally credited with formulating and implementing the government's increased activity in education, was awarded an honorary Doctor of Humane Letters degree.

Two Carnegie Tech alumni were honored also. Dr. George E. Pake, provost and physics professor at Washington University of St. Louis, and a member of several governmental science advisory committees, was granted a Doctor of Science degree, while Arthur Kennedy, veteran Broadway and movie star, received a Doctor of Fine Arts degree.

The fourth recipient of an honorary degree was Sister Jacqueline Grennan, S.L., president of Webster College. Sister Jacqueline is the only woman member of the President's Advisory Panel on Research and Development in Education. She received a Doctor of Humane Letters degree.

Preceding the Commencement, 11 graduates were commissioned as second lieutenants in either the Regular United States Army or the United States Army Reserve in ceremonies at Tech's Hunt Botanical Library. Guest speakers for the event were Dean B. Richard Teare, Jr., of Tech's College of Engineering and Science, and Brig. Gen. Thomas M. Rienzi, commandant of the U. S. Army Signal School, Fort Monmouth, New Jersey.

Evening Students Bestow Honors

Carnegie Tech's evening students honored two faculty members and a vice president this summer with special merit awards.

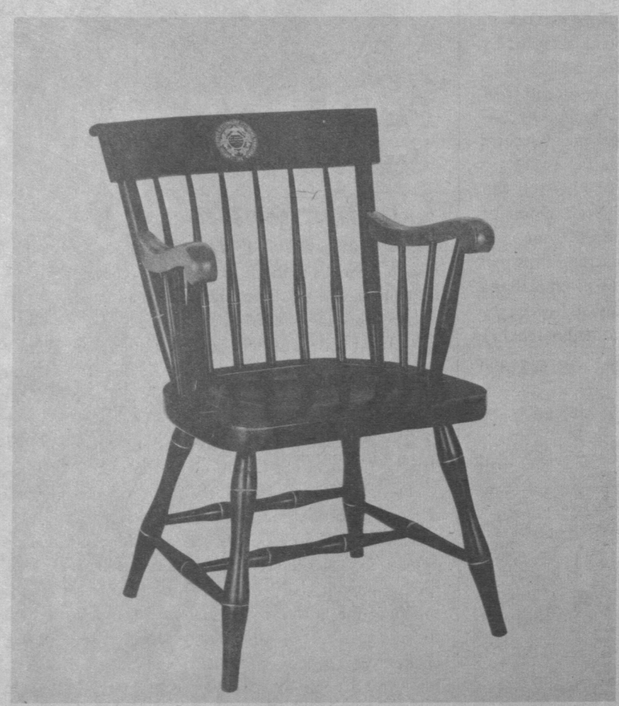
Saluted by the Evening Student Council were Donald M. and Dorothy W. Goodfellow, English teachers who have been with Tech's evening school since the early 1930's, and H. Russell Bintzer, vice president for development.

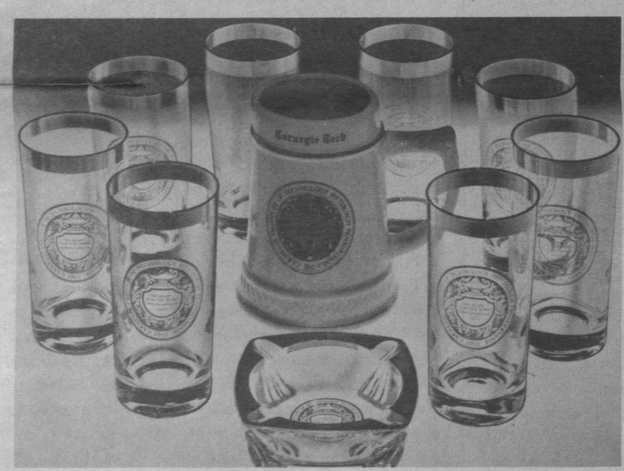
The Goodfellows received the First Special Merit Award in recognition of their academic, counseling, and advisory contributions to evening students. Mr. Bintzer, who recently resigned his post at Tech for a similar position at California Institute of Technology, was selected for the Second Special Merit Award in appreciation of the upgrading of facilities.

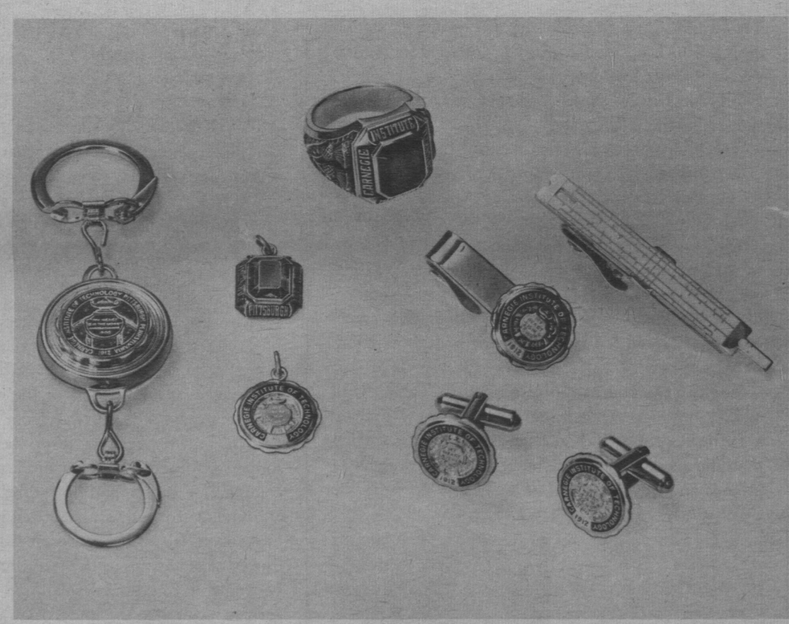
The awards were presented May 14 at the annual evening student banquet. The three honored guests received plaques with citations.

The merit awards were the first made in recognition of faculty and administrative personnel.

GIFTS FROM THE BOOKSTORE







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GSIA Gets 18 Ford Awards

Eighteen business administration and economics fellowships totaling approximately $125,000 have been awarded to students and faculty members in the Graduate School of Industrial Administration by the Ford Foundation.

The fellowships were awarded to fifteen graduate students, two professors, and a research assistant. They were among 206 given by the New York foundation to 44 colleges and universities.

According to the Ford Foundation, the purpose of the program is to "strengthen college and university teaching in economics and business administration, and to support research on significant problems in these fields."

Tech's total of eighteen represented more than given to all other Pennsylvania colleges and universities combined.

A basic stipend of $2,500, plus allowances for dependents, tuition, and research expenses, are provided under the doctoral fellowships in business administration and the dissertation fellowships in economics. Faculty fellowships carry a stipend based on academic salary, plus research and travel allowances.

In addition to individual awards, the fellowship grants include supplemental funds for schools attended by students who received awards.

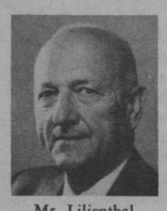
Lilienthal Named Fairless Lecturer

One of this country's leading executives, former Atomic Energy Commission Chairman David E. Lilienthal, will examine managerial life in America when he delivers the 1966 series of Benjamin F. Fairless Memorial Lectures at Carnegie Tech.

Mr. Lilienthal will concentrate on the importance of the manager's evolving function and future role in public affairs, the sciences, overseas development, and private business in his talks scheduled for November 3, 7, and 8, on the Tech campus.

The annual lecture series, sponsored by the Graduate School of Industrial Administration, is held as a memorial to Mr. Fairless, president of United States Steel Corporation for fifteen years, and chairman of the board from 1952 until his retirement in 1955. Mr. Fairless served on the Carnegie Tech board of trustees from 1952 until his death.

Mr. Lilienthal will be the fourth Fairless lecturer. He served as chairman of the Atomic Energy Commission from 1946 to 1950 and was also a founding director of the Tennessee Valley Authority, and its chairman from 1941 to 1946.



Mr. Lilienthal

He is now chairman and chief executive officer of the Development and Resources Corporation, a private, world-wide company providing services for development of natural resources. He joined the firm in 1955.

The noted executive is also an author, having published the *Journals of David E. Lilienthal,* Volumes I and II, (1964); *Change, Hope, and the Bomb,* (1963); *TVA: Democracy on the March* (1944); *Big Business: A New Era* (1953), and *This I Do Believe* (1949). Articles written by Mr. Lilienthal have appeared in such major U.S. periodicals as the New York Times Magazine and Atlantic Monthly.

Previous lectures in the series were Dr. Gabriel Hauge, president of the Manufacturers Hanover Trust Company, N. Y.; Dr. Theodore O. Yntema, former vice president of Ford Motor Company, and Dr. Arthur F. Burns, president of the National Bureau of Economic Research.

Grad bag

Visiting Composer

Carlos Surinach, known around the world for his Spanish-style compositions, will join Carnegie Tech's music department for one year starting in September, Department Head Sidney Harth has announced.

Mr. Surinach will teach during the sabbatical absence of Nikolai Lopatnikoff, composer and professor of musical compositions.

To his fame as a symphony composer, Mr. Surinach has added distinction in the world of the dance. He is now composing the score for a ballet to be choreographed by surrealist painter Salvador Dali.

Mr. Surinach, 51, began his musical training in his native Barcelona with Enrique Morera at the Municipal Conservatory. The long list of his compositions includes such works as "Sinfonietta Flamenca," "Paeans and Dances of Heathen Iberia," "Feria Magica," and the ballets, "Feast of Ashes," "Acrobats of God," and "Embattled Garden."

Clan Activities

Alumni across the country are urged to keep a watchful eye out for notices of Clan activities in their local area. Many interesting programs have been planned for this year. Alumni who have moved to a new area where there is a Clan are urged to make themselves known and to become active in Clan activities.

There are several new Clans this year which will be actively working in support of Tech and they will be needing the support of all alumni in these areas. These new Clans will be in Detroit, Denver and Westmoreland County (Pa.), in addition to the Pittsburgh South Hills and Architect's Clans. Each of these new Clans held organizational meetings last spring and expect to begin with a full schedule this fall.

Church Architect

Harold E. Wagoner, a 1926 graduate of Carnegie Tech, is a Philadelphia architect who designs churches "to serve today's, not yesterday's, congregations."

Mr. Wagoner was the subject in a recent two-page spread, complete with pictures, in the Philadelphia Sunday Bulletin Magazine. The article, by Joseph F. Lowry, covered Mr. Wagoner's entry into church architecture (he has designed some 500 churches, and has never done any other kind of architecture) and his views on church structures.

The Carnegie Tech graduate was quoted as saying most churches he designs are modern "because I believe a church is a family . . . a community . . . and should be tailored to living purposes. For years many people thought of religion as anti-environment . . . Now, however, there is a great surge among thoughtful Christians toward saying 'Christianity is what I do all week. I am simply touching base on Sunday.' "

Mr. Wagoner described his particular type of architecture as non-traditional. "If you use the word modern or contemporary, it is apt to frighten those you are dealing with. The term non-traditional conjures up a pleasant picture of the nostalgic past from which you may be able to move a little bit into the future."

Mr. Wagoner's firm, Harold E. Wagoner & Associates, employing 50, has had commissions in 36 states, Nova Scotia and Bermuda, the article said.

Home Visits

The extremely popular Student/Alumni/Faculty home visits instituted last year by the Alumni Office are again planned for Pittsburgh alumni. These visits provide alumni with an opportunity to talk with students and faculty in an informal social setting.

Perhaps the best indication of success has been the unanimous response of alumni who took part last year to be included again this year. It is the desire of the Alumni Office to include as many alumni as possible in order to give all those who desire to participate an opportunity to do so.

All Pittsburgh area alumni who are willing to open their homes to students and faculty for an informative and most enjoyable evening are urged to contact the Alumni Office as soon as possible. The maximum number of people attending any one home has been set at twelve (12) so that everyone has an opportunity to participate in the discussion.

CAC Workshop

An important one day session for alumni participating in the CAC program is planned for Friday, October 14, 8:30 a.m. to 4:00 p.m. The program will include a breakfast with students from CAC areas, a meeting with the Dean of Engineering and Science and with E & S department heads, luncheon and informal discussion with both the latter, and a CAC Panel Discussion conducted by CAC members. All alumni who are participating in CAC are invited to attend. It is planned in successive workshops that each one of the three colleges will be emphasized.

Associate Head

Professor Arthur George Milnes has been named associate head of the Department of Electrical Engineering at Carnegie Tech.

Dr. Milnes, who holds three degrees in electrical engineering from Bristol University in England, was a visiting associate professor at Tech in 1954-55. After receiving his doctorate, he returned to Tech in 1957 as an associate professor. He was promoted to professor in 1960.

He is a member of such professional groups as the Institution of Electrical Engineers in London, the Institute of Electrical and Electronics Engineers, the American Physical Society and the Electrochemical Society.

Dr. Milnes was born in Heswall, England. He lives at 5438 Guarino Road, Pittsburgh, with his wife and three children.

Lettering Workshop

Arnold Bank, associate professor of Graphic Arts, will direct a workshop in "Letter Design and the Lettering Arts", which has been added to the schedule of the Evening School of the College of Fine Arts at Carnegie Tech.

Workshop registration will be held September 13 and 14 in the Department of Painting, Design and Sculpture, third floor, Fine Arts Building.

The workshop, to be held from 7 to 10 p.m., Tuesdays, is designed for a limited group of experienced artists, designers and typographers. A Saturday morning class will be held for beginners.

Additional information may be obtained by calling 621-2600, Extension 437.

Cowen Scholarship Awards

Carnegie Tech has awarded Martin I. Cowen Scholarships to incoming freshmen Kevin G. Wilson and Henry R. Engehausen who will enter the College of Engineering and Science this fall.

The scholarship fund was established by Mr. Cowen, a Tech alumnus, to enable science-minded boys from the Greater New York area to pursue science studies at Tech.

Mr. Wilson attended St. Peter's Preparatory High School in Jersey City, New Jersey, where he was a member of the sciences and radio clubs and quarterback on the football team. He is the son of Mr. and Mrs. Paul Wilson, 45 Hastings Ave., Rutherford, New Jersey.

Mr. Engehausen attended Brooklyn Tech High School where he was a member of the school math team, president of the radio club and vice president of his graduating class. Last summer, he attended a National Science Foundation Institute at Carnegie Tech. He is the son of Mr. and Mrs. Henry Engehausen, 60 Hunter Ave., Staten Island, New York.

New Hunt Book

Carnegie Tech's Hunt Botanical Library has published a limited edition of Walahfrid Strabo's "Hortulus", one of the earliest known accounts of medieval gardening and plants.

The library has reproduced the original 9th century Latin manuscript for the first time, with English translations. The manuscript was made available by the Biblioteca Apostolica Vaticana in Rome.

Walahfrid Strabo ("Walahfrid the Squint-eyed") was a Benedictine monk with a gift for writing Latin verse. He composed the 27 short poems, given the general title "Hortulus" or "The Little Garden", for which he is best remembered.

Only 1500 copies of the $12 volume were printed. The book, printed on rag paper, is bound in simulated vellum with Carolingian spine-lettering in gold leaf. It consists of 92 pages of text, 10 folded leaves of facsimile, four tipped-in line cuts and a foreword by Dr. George H. M. Lawrence, director of Hunt Botanical Library.

Copies may be purchased from Hunt Library.

Clan News

BOSTON CLAN has had an active year. The Clan Board entertained Tech students home on vacation and prospective Tech students on December 29. On January 27 and 28 the Cameron Choir came to Boston. A wine-tasting party and a wonderful dinner was held on May 12.

For September 11 a fantastic, tremendous, stupendous, family picnic was planned at one of THE vacation spots of New England.

The tentative date of November 16 is set for the showing of a Japanese film on the Tokaido—Hi Speed Railway.

CUMBERLAND VALLEY CLAN was honored on the evening of Friday, May 13, with a visit from President Guyford Stever and Bob McCurdy, executive secretary of the Alumni Federation. Thirty members of the Clan from Chambersburg, Waynesboro, and Hagerstown gathered to hear President Stever speak at our annual dinner meeting. All of us felt renewed enthusiasm for his progressive leadership.

Chairman William Putch invited the Clan to be his guests at a performance of "Jenny Kissed Me" at the Totem Pole Playhouse this summer.

DETROIT CLAN's first meeting was held on June 16 at the Park Shelton Hotel with 30 members attending for cocktails and dinner. Dr. Thomas Stelson from Carnegie Tech was the dinner speaker and performed magnificently, covering the field of "pollution" and bringing all of the alumni up to date on the latest activities at Tech.

Len Ingham (E'51) was elected president of the Detroit Clan for the 1966-67 year. The next Clan meeting is being planned for October and will include a call at the Stroh's Brewery located in Detroit.

It will be interesting to watch the growth of the Detroit Clan as many of the area alumni hear about the warm friendships and educational opportunities of the Clan.

LONG ISLAND CLAN had its annual Clan reception for Long Island high school seniors who have applied to Carnegie Tech at the home of Gloria and Mac Conman in Glen Head on April 17. This year's event was outstanding due to the presence of three Tech Kilties, two pipers and a drummer. The Kiltie Band had performed at Town Hall in New York four days before and Mac had arranged for these three to remain in town. We feel the afternoon was a great success and are grateful to Gloria and Mac for this annual affair at their home.

On June 4 the beautiful and spacious home of Herb and Jane Fair, in Great Neck, Long Island, was the scene of a rousing Long Island Clan party. 'Twas our annual spring fete and bouquets are due Jane Fair for efficient management of the lavish buffet dinner. Program Chairman Dick Donovan had enlisted the aid of Myron Kitaiff, President Vito Tricarico, Rosalie Tricarico, Sally Wendlandt and Diann Fleischmann in planning the affair.

Diann Fleischmann had brought her set of Tech phono records and we sang school songs with great voice. Diann was presented a beautiful Tech gold and amethyst charm, engraved with the Clan name, and her name and the date.

Our plans are not yet formed for the fall, but we will be at Homecoming.

LOS ANGELES CLAN elected new officers and board members. They are as follows: Edward J. Stephens (E'53), president; Joe V. Shumovich (E'52), vice president; Chester E. Gall (E'52), secretary; Rene F. Audette (E'51), treasurer; Philip K. Eckman (E'54), recruiting/admissions chairman; Samuel J. Sugerman (E'24) and David M. Loop (E'52), alumni giving co-chairmen.

Board members are: Robert L. Cohen (IA'60), Franz Lettang (E'54), Charles Rose (E'41), Myron J. Seibold (E'29), Dorothy Statler, (M'49), William H. Statler (E'40), Gilbert R. Cook (E'40), Charles J. Marlo (IA'63), Miss Chloe Pollock (A'52), Nelson P. Rice (A'22), and Samuel J. Sugerman (E'24).

Clan members will be notified of future fall plans.

MUSIC ALUMNI CLAN held its fall meeting on November 17, 1965 at Skibo Hall. Dr. and Mrs. H. Guyford Stever were guests of the Clan. Over 100 alumni attended the reception and dinner. Dr. Stever spoke to the group following dinner. Students from the music department gave an excellent musical program.

On January 5 we attended the Carnegie Fine Arts String Quartet concert at Skibo. Sidney Harth and the quartet gave an outstanding performance. All music alumni should support these concerts because the proceeds go to a music scholarship fund.

In May we held our first alumni program which was well received. The Phi Mu Alpha Jazz Workshop Band under the direction of Dennis Noble rounded off a fine night of music.

Paul Koch, with the assistance of many clan members worked on the Alumni Fund drive.

The Music Clan Steering Committee is presently working on the 1966-67 schedule. A memorial to Dr. J. Vick O'Brien is being considered. Details about this will be forthcoming.

Any music alumni who have not been approached and would like to serve on the Steering Committee are very welcome. Contact Jack Purcell, 881-4885 or at 1621 Brookline Blvd.,Pittsburgh, Pa. 15226.

ROCHESTER CLAN held its Spring Banquet on Friday, May 20, at the Town and Country Restaurant. Dr. H. G. Stever was guest speaker. This was also the Clan's Twenty-fifth Anniversary celebration.

The Clan voted to accept and follow the procedure as outlined in the C.I.T. Manual for the nomination and election of a Board of Governors, which in turn elects the officers of the Clan. Our officers will stay the same until May with the exception of our vice president, Mrs. John Villarreal (Nancy Love, M'62) who is resigning as her husband is accepting a new position in New York City. Mrs. Joseph Stauffer (Marjorie Klee, M'44) will fill in as vice president for the remainder of this year.

This year's program will include our Annual Steak Roast on September 9 at Ellison Park. A Clan Open House on New Year's Day will be held at the home of Vincent and Barbara Ribas. All Carnegie Tech students home for the holidays will be invited. A Mardi Gras and Wine-Tasting Party will be held on February 4 and our Spring Banquet is planned for the first weekend in May at the Town and Country Restaurant.

WASHINGTON, D.C. CLAN's CAC Committee, headed by Howard Joynt, has interviewed more than 125 applicants for admission to CIT.

A tea for these incoming freshmen, their parents, and for Washington students who are to be sophomores and juniors this year, was given by the Board of Directors on August 28 at the home of John and Claire Davis.

A dinner meeting for the entire membership of the Clan has been tentatively set for the first week in November.

John Davis has been appointed chairman of program, to be assisted by Dr. Bernard Greifer as co-chairman, and Camille Christensen and Leah Wolf to serve on the committee.

John Davis has also been appointed to serve on the All Pennsylvania College Citation Luncheon Committee.

Classes—

'08-'19 C. H. ADAMSON (I'15) has completed his third trip around the world. This time he also visited Russia. • JOSEPH O. PARKER (I'15) is retired and is presently living in Pittsburgh. • FRED C. ZIESENHEIM (E'15) is in business for himself as a broker of used die casting and used plastics machinery. His home is in Marion, Ohio. • After 47 years of service with the Wiremold Company, Hartford, Connecticut, CHARLES E. RUTHERFORD, (I'17) has retired. He was in the Manufacturing Textile Division. • ELIZABETH RUTHERFORD (M'19) has retired from her position with Fidelity Trust Company in Pittsburgh. Her home is in Washington, Pa. • CHARLES L. YOST (I'18), formerly manager of industrial development with The Peoples Natural Gas Company in Pittsburgh, has retired. • MICHAEL E. HAWORTH (E'18) is retired and is living in Birmingham, Alabama. He owned the Haworth Engineering and Manufacturing Company. • ENOS COOKE (A'18) is an architect with Cooke & Ryan of Arnold, Pa. • The Alumni Office has learned of the death of HERBERT R. KOHLER (E'08) on February 28, 1966. His home was in St. Louis, Missouri. • WALTER GRAY (E'09), of Pittsburgh, died on March 6, 1966. • WALLACE G. IMHOFF (E'09) died in Los Angeles on April 2, 1966. • HARVEY J. LE FEVRE (E'09), of Buffalo, New York, died on April 1, 1966. • The Alumni Office has been notified of the death of EVERETT L. CORBETT (I'10) on November 23, 1965. • M. GRAY COSSITT (I'12), of Smithville Flats, New York, died on February 11, 1966. • Lt. Col. L. RAY FOUST (E'13), of Claremont, California, died on March 15, 1966. • E. H. HAMILTON (I'13), formerly a member of the buildings and grounds staff at Carnegie Tech, died on October 25, 1965. • ADAM MCNAUGHTON (A'13), architect for the Trimble Construction Company, Pittsburgh, died on March 27, 1966. • CLYDE A. POISTER (E'13), of Ellwood City, Pa., died on April 1, 1966. • RAYMOND E. KRAUS (I'14), a retired mechanical draftsman for the Pittsburgh & Lake Erie Railroad, died on May 20, 1966. Mr. Kraus was an officer in World War I and won a purple heart. • E. RAYMOND BOLLINGER (I'15), a retired vice president and partner of Bollinger Corporation of Ambridge, Pa., died on July 5, 1966. • A. H. WEITZ (E'15), of Pittsburgh, died on July 8, 1966. He taught chemical engineering at Carnegie Tech for 30 years before retiring in 1949. He was a 50-year member of the American Institute of Chemical Engineers. • The Alumni Office has been notified of the death of JOSEPH R. ZETWO (E'16), on April 26, 1965. • HARRY L. BRADEN (E'16), retired chief chemist at the Republic Steel Corporation plant in Warren, Ohio, died on May 15, 1966. Mr. Braden had retired seven years ago and was living in Youngstown. • The Alumni Office has learned of the death of RENSSELAER A. GAINES (E'17) in January 1966. Mr. Gaines was manager and owner of the Gaines Distributing Company, Wyoming, Ohio. • ANTHONY J. KERIN (E'17), president of the Atlas Stationery Corporation and chairman of the board of directors of Tower Crossman Corporation, died on May 26, 1966. Mr. Kerin's home was in Scarsdale, New York. Mr. Kerin was a former member of the Executive Committee of the Board of Trustees of Carnegie Tech. He also was the recipient of a Service Award by the Carnegie Tech Alumni Federation. He was on the board of trustees of Jackson Memorial Laboratory, Bar Harbor, Maine. • The Alumni Office has learned of the death of FRANK W. MEHRTEN (I'17) on September 30, 1965. Mr. Mehrten lived in Dallas, Texas. • HARRY P. RYAN (I'17), of Alexandria, Virginia, died on March 12, 1966. • SARAH H. SHAW (L'17), of Glenshaw, Pa., died on July 5, 1966. She had served as librarian in the Lawrenceville branch of Carnegie Library for 32 years. She retired in 1955. She was a member of the Glenshaw Public Library Association and the Artists and Craftsmen Guild. • H. WALLACE SMITH (A'17), a retired architect, died in Fort Lauderdale, Florida, on April 16, 1966. Among his survivors is his wife the former HELEN MC VEY, (A'18). • CHARLES F. STEEN (A'17), of Pittsburgh, died on June 3, 1966. Mr. Steen was with the Herbick & Held sales division for 10 years until his retirement in 1964. He was active in the Little Theater movement as head of the Guild Players following World War I. • EDWARD T. JOHNSTON (I'18), of Pasadena, California, died on June 9, 1966. • The Alumni Office has learned of the death of ROSCOE J. PATTERSON (E'18) on March 22, 1966. His home was in Hamilton, Missouri, after his retirement in 1962. He had been with Carnegie-Illinois Steel, Edgar Thomson Works in Braddock, Pa., for 43 years. • The Alumni Office was recently notified of the death of The Very Reverend ALFRED HARDMAN (E'19), of the Cathedral of St. Philip, Atlanta, Georgia, on December 7, 1965. • J. A. MILLER (I'11), retired assistant principal at New Kensington (Pa.) High School, died on August 4, 1966. Mr. Miller had served for 40 years as director of vocational education at the school. He retired in 1956.

'20 Mrs. C. J. McCarthy (ANTOINETTE GIANNOTTI, M) is retired and is presently living in Haddon Heights, New Jersey. • JOHN F. REHNSTROM (E), a production specialist with the Philadelphia (Pa.) Ordnance District, has retired. • EDWARD M. GRIFFITHS (E), of the Republic Steel Corporation, Youngstown, Ohio, is now retired. • RUSSELL K. LEE (E) is retired and is living in Residence Park, Palmerton, Pa. He was formerly a real estate agent with the New Jersey Zinc Company. • MARIAN BACH (M) is serving on the Carnegie Tech Admissions Council. She is alumni advisor at the West Philadelphia High School in Philadelphia. • FREDRIC FLADER (E) and his business, the Lab Sciences, Inc. in University Park, Boca Raton, Florida, were featured in the March 10 issue of *Photocase*. The firm manufactures laboratory equipment for the engineering departments of schools and colleges. • ABE COHEN (E), a retired agent of the Metropolitan Life Insurance Company in Pittsburgh, died on May 7, 1966. He had moved three years ago to Hallandale, Florida. • HARRY GINSBURG (E), an architect for the Allegheny County Department of Works, Pittsburgh, died on May 7, 1966. Among his survivors is his brother, BEN GINSBURG (A'34). • HARRY D. KRUMMELL (E), of Whittier, California, died on May 13, 1966. Mr. Krummell was on the Board of Directors of the Los Angeles Carnegie Clan for the past two years. He was the recipient of a Service Award by the Carnegie Tech Alumni Federation. Mr. Krummell was employed by Mobil Oil Company, Chicago, until his retirement. He also served with Mobil overseas in the Philippines before moving to Whittier, California. Among his survivors are his wife, the former MILDRED ABEL (M'24) and his son, JOHN D. KRUMMELL (E'47). • HOWARD B. PEARCE (A), vice president for the interior design firm of Rorimer-Brooks Inc., Cleveland, died on February 18, 1966. Mr. Pearce designed many restaurants, including Stouffer's, Marzetti's in Columbus, and Mills. He also did the Regency Room of the Cleveland Athletic Club and the Main dining room at the Somerset Motel, as well as the eight-story home office of Marathon Oil Co. in Findlay.

'21 RUSSELL E. EARDLEY (I), formerly owner of his own lumber company, is now retired. His home is in Newark, Ohio. • ROBERT L. MILLER (I) is operating an insurance agency in Berlin, Pa. • HARRY C. HAMMANN (I) is owner of H. A. Hammann Stores in Martinsburg, West Virginia. • DAVID TAMOR (E) is a metallurgical consultant for American Chain and Cable Company, Bridgeport, Connecticut. He is living in Reading, Pa. • CHARLES A. H. PEARSON (A), associate professor of music at Carnegie Tech, was organ soloist in the Saint Saens Symphony No. 3 for the March concert given by the Carnegie College-Community Orchestra. • The March 27 issue of the *Youngstown Vindicator* had an interesting feature story on LAURIN WOODWORTH (E). Mr. Woodworth is retired as general superintendent of the Youngstown district of U. S. Steel Corporation. • ELLEN B. CROWE (A) is presently head of the speech department at Centenary College for Women in Hackettstown, New Jersey. • Dr. PAUL D. GOOD (I), coroner of Berks County (Pa.) for 24 years prior to his retirement in January, died on May 12, 1966. Dr. Good was president of the Pennsylvania Coroners' Association and was one of the organizers of the Berks County Flotilla, Coast Guard Reserve Auxiliary. His home was in Birdsboro, Pa. • CHARLES S. SISKIND (E), professor emeritus at Purdue University, died on June 17, 1966. He joined the Purdue faculty in 1929. Professor Siskind published three books including two manuals. His book, "Learning Electricity Experimentally," was released in 1941, and his two lab manuals, published in 1942 were "Electrodynamic Experiments" and "Electric Circuit Measurements." • RICHARD A. SWIFT (E), of Follansbee, West Virginia, died on April 2, 1966. He was retired from his position with Wheeling Steel Corporation.

'22 ALBERT E. EDWARDS (E), formerly with the J&L Mines, is retired. His home is in California, Pa. • H. HAMLIN BURDICK (E) has retired from his position with the J. Walter Thompson Company in Detroit. He is presently living in Lathrup Village, Michigan. • FRANCIS B. STEELE (I) is manager of special accounts for Gould National Batteries, Chicago. • ROSWELL B. DUNHAM (A) is president of Clark-Babbitt Foods, Inc., West Hanover, Massachusetts. • Mrs. James J. Rudisill (MARY B. LITTLE, A), of Lancaster, Pennsylvania, died on April 25, 1966. She was interested in history and did genealogical research for friends. She helped establish the George Ross Society in Lancaster, the National Society of Children of the American Revolution. Among the many organizations in which she held memberships were the York and Lancaster County Historical Societies, the Buchanan Foundation for Restoration of Wheatland, the Rock Ford Foundation, and the General Hospital Auxiliary. • The Alumni Office has learned of the death of RUTHERFORD C. SCOTT (E) on May 4, 1966. Mr. Scott lived in Birmingham, Michigan. • RONALD L. STEVENSON (E), formerly president and general manager of the Remington Rand Ltd., Toronto, Ontario, died in Palm Bay, Florida, on October 10, 1965. He was retired. • JOHN W. ZIMMER (I), of Pittsburgh, died on April 2, 1966. He taught printing at Oliver High School. • Mrs. GERTRUDE BATON FARRIS (M), of Pittsburgh, has retired. She was co-owner of the Baton Analytical Laboratory.

From l-r, local guide shows Mr. F. M. McGee, I'25, of Chicago, and Mr. & Mrs. G. Rudy Brandin, E'21, of Pasadena, the view of Bogota from Mon Serrate. The picture was taken on Alumni-sponsored tour of South America.

'23 WALTER D. SMITH (E) has retired from his position with the Western Supply Company. The Smiths (VICTORIA WOODY, M'24) are living in Tulsa, Oklahoma. • JOHN C. HALLAM (A) is now living in Ft. Pierce, Florida. He is retired from his position with the East Coast Tire and Retreading, Inc. • THOMAS B. GOTHAM, JR. (E) has retired as an industrial engineer from the Goodyear Tire and Rubber Company, Akron, Ohio. He is presently a salesman with the Crawford Realty Company. • EDGAR J. HOLCOMB (E) has moved to Lake Worth, Florida. He retired from Alcoa in May of this year. • CATHERINE M. EISAMAN (A) is retired and is living in Pittsburgh. She taught home economics at Taylor Allderdice High School in Pittsburgh. • GEORGE E. DAWSON (E) is a consultant with Foote Cone & Belding in Chicago, Illinois. • FRED L. CUSHMAN (PM) is an assistant foreman for the Day Publishing Company, New London, Connecticut. • WILLIAM H. DOUGLAS (I), of Topeka, Kansas, has retired. • GEORGE A. BRINK (A) died on February 12, 1966. He was a retired federal government construction engineer and a World War I veteran. His home was in Powersite, Missouri. • Mrs. James Dodds (GERTRUDE ROBINSON, A), of Zelienople, Pa., died on April 26, 1966. Mrs. Dodds, a pianist, was one of the performers on the first week of broadcasting by Station KDKA. She also performed as a soloist with the summer symphony at Schenley Hotel some years ago. • The Alumni Office was recently notified of the death of Mrs. Robert G. Young (RUTH A. BARTON, M) on February 20, 1966, in Pittsburgh. • FRANK R. TRECHSEL (PM), president of the Southern Coupon Company, specialty printing firm in South Birmingham, Alabama, died on April 20, 1966. Mr. Trechsel was with the firm 40 years.

Kaufman '24

'24 TEASDALE BARNEY (A) is a free-lance illustrator in the New York City area. • After 38 years of service with West Penn Power Company, JOHN R. GILBERT (I) has retired. • WALTER F. KAUFMAN (E) has retired as assistant secretary and general manager of the patent department at Armstrong Cork Company. He was with the company for 39 years. Mr. Kaufman has memberships in the American, Pennsylvania, and Lancaster County, Pa., Bar Associations, and the American Association for the Advancement of Science. He is a former director of the United States Trademark Association. • SCOTT W. RUDY (I) retired from Westinghouse Air Brake Company after 41 years of service. He was manager of personnel. The Rudys plan to do some traveling, but will continue to reside in Pittsburgh. • ISRAEL ABBOTT (E), Bishop of the Philadelphia Ward of the Church of Jesus Christ of Latter Day Saints, died on March 30, 1966, in Rock Springs, Wyoming, while he was on his way to Salt Lake City, Utah. His home was in Yeadon, Pa. He was with the Gulf Oil Corporation in Philadelphia for 38 years. • The Alumni Office was recently notified of the death of JOSEPH R. DOHERTY (E), a Pittsburgh attorney, in September 1964. • PETER HORELICK (A), a former member of the Pittsburgh Symphony and a teacher with the music department of the Pittsburgh Board of Education for 27 years, died on April 13, 1966. He helped found the Canonsburg Civic Orchestra in Washington County. Among his survivors are his wife, a son, DALE HORELICK (E'55), and a brother, NATHAN HORELICK, (E'19). • EARLL R. MUDDIMAN (E), former assistant to the chief engineer of the Fairless Works, U. S. Steel Corporation, died on July 22, 1966. He lived in Levittown, Pa.

'25 Mrs. Thurman W. Van Metre (CHARLOTTE JACKSON, M) has retired as a social worker with the Bureau of Child Guidance in New York City. • FRANK POWERS (PM) has retired from the J. Walter Thompson Company and is now doing part-time work for the King Typographic Service in New York City. • ERIC ZIMMERMAN (A) retired last summer as sales promotion manager with the ITE Circuit Breaker Company in Greensburg, Pa. He is still active in consulting work. • M. D. KALLFELZ (I) has retired from his position with the B. F. Goodrich Company in Atlanta. His home is in Decatur, Georgia. • BENJAMIN H. AIRES (E) received the L. W. Hornfeck Award at the National Engineers Week Banquet held last winter at the Churchill Valley Country Club, Pittsburgh. • Mrs. George D. Anderson (ANASTASIA LEDDEN, L) retired as head of the art department in Central Library, Portland, Oregon. The Andersons are now living in Santa Barbara, California. • The Alumni Office has learned of the death of JOHN E. SMITH (I), of Pittsburgh, on June 5, 1966.

Krebs '26

'26 RAYMOND D. GILL (PM) is now business manager of the Biblical Research Society in Los Angeles, California. • FORREST W. COILE (A) is president of Forrest Coile and Assoc. in Newport News, Virginia. • HARRY E. WALLACE (E) retired this past winter from the Bureau of Naval Weapons. His home is in Baltimore. • ALPHEUS F. CARSON (E) is now retired. He had been an avocado grower in Homestead, Florida. • WALTER E. BENDER (E) sends good wishes to the class of '26 from the Vermont Green Mountain Country. Mr. Bender retired in April from his position as project engineer with American Standard Industrial Division. • L. EUGENE KREBS (E) celebrated his 40th service anniversary with Bell Telephone Laboratories in June. He is a supervisor in the Telephone Studies Laboratory in Holmdel, New Jersey. He is presently in charge of a group engaged in studies of station apparatus. • Mrs. Alan W. Morten (MARTHA I. WALTER, M), of Oakmont, Pa., died on April 25, 1966.

'27 The March 20 issue of the *Youngstown Vindicator* had a feature story on RAYMOND H. LOHR (E). Mr. Lohr is division manager for East Ohio Gas Company. He is also president of the Youngstown Merchants Council, vice president of the Youngstown Area Chamber of Commerce, a director of the Youngstown Rotary Club, Junior Achievement and Mahoning Council of Boy Scouts. • Dr. WILLIAM J. KROEGER (E), senior scientist at the Frankford Arsenal in Philadelphia, died on July 23, 1966. He began work with the Frankford Arsenal in 1940. While there he established what he called the 'scientific rationale' for interior ballistics design of the recoilless rifle which was developed and used with decisive effect in World War II and the Korean War. He received the Emblem for Civil Service at Frankford Arsenal in recognition of his contribution to the war effort. He was later awarded the decoration for exceptional civil service by the War Department. Dr. Kroeger was instrumental in the development of escape systems for military aircraft, namely the pilot ejection seat. After the war he continued his work in the development of weapons and received the John C. Jones medal of the American Ordnance Association. He also received the Washington medal of the Engineers Club of Philadelphia. He was the founder of the Institute for Research at the Frankford Arsenal. He was granted 18 Patents and published 35 technical papers.

'28 Mrs. PAULINE DENNY MELADY (A) is now living in Pt. Lookout, New York. She is a pianist and teacher. • EVERETT M. WHITE (E), manager of the Mining Division of Mine Safety Appliances Company, Pittsburgh, has been assigned additional duties as assistant sales manager, Safety Products Division. •

Mrs. Hugh H. Olmes (MILDRED YOUNG, A) is artist-owner of Mural Arts (Studios) in Canton, Ohio. The studios have been in operation for 13 years, mainly doing contract work for architects. • D. PAUL HOOVER (E) has been elected president of the Rotary Club of Cleveland. He is president of the Standard Service Bureau. • I. BLAIR MCLEOD (PM) is president and treasurer of the Winston Printing Company in Winston-Salem, North Carolina. • SHELBY A. MC MILLION (I) is New England manager for *Electronic Engineer* magazine, Boston. • In June DAVID W. FRASER (A) returned from a three-month assignment in Panama sponsored by U. S. AID to assist the Panamanian Furniture Industry productivity. Mr. Fraser is a consulting engineer for furniture manufacturing in High Point, North Carolina. • JOHN S. BROOKES (PM) is director of sales for Pepsi Company, International. He is living in New York City. • Among Carnegie Tech alumni who were invited artists at the Three Rivers Arts Festival this year were Howard Baer (A), Richard Wilt (A'38), Peter Lupori (A'42), Sidney Simon (A'47), Kenneth Ferguson (A'52), Naoko Matsubara (A'62). The fifteen invited artists were all at one time in their careers Pittsburghers. • CAROLYN M. EDMUNDSON (A) is now living in Tahoe Valley, Lake Tahoe, California. She is working as a medical illustrator and artist. • The Alumni Office has been notified of the death of WILLIAM IANNI (A), of Cleveland, on May 8, 1966. • JOHN KASCSAK (PM), superintendent for Lincoln Engraving and Printing Corporation, New York City, was fatally injured in an automobile accident in New York City on March 11, 1966.

'29 ROBERT T. WILSON (PM) is vice president for Kingsport Press, Inc., Kingsport, Tennessee. • EDDY GILMORE (A), foreign correspondent for the Associated Press, spoke to Indiana University journalism students in the second annual journalism lecture series sponsored by *The Indianapolis Star* and *The Indianapolis News*. • JOHN W. GREVE (E) has been appointed editor-textbooks and handbooks of the American Society of Tool and Manufacturing Engineers. Before his promotion he served as senior staff editor of *The Tool and Manufacturing Engineer*. The Greves live in Birmingham, Michigan. • UNCAS A. WHITAKER (E) has been elected as a life member of the corporation, governing body of the Massachusetts Institute of Technology. He is chairman of the board and chief executive officer of AMP Incorporated (formerly Aircraft-Marine Products, Inc.). Mr. Whitaker became a special term member of the M.I.T. Corporation in 1961. Last fall a new laboratory building at M.I.T. for the Center for Life Sciences was named the Uncas A. and Helen F. Whitaker Building in honor of Mr. and Mrs. Whitaker. • GEORGE H. MILUE (A) is now associated with the Fluor Corporation Ltd. which has the contract for the expansion of the Texaco Refinery in Wilmington, California. • The HUBERT J. W. SMITHS (E) have moved to Cape Coral, Florida. They extend an invitation to "come on down and enjoy our wonderful weather."

Greve '29

Phillips '30

'30 In June RUTH A. TEJAN (M) retired from teaching homemaking with the Westinghouse Valley Area School District. Her new home is in Titusville, Florida. • CARL E. SCHLOSSNAGEL (E) has retired from his position with the U. S. Steel Corporation. He is living in Somerset, Pa. • WAYNE M. HIGH, Jr. (I) is still conducting architectural practice under his family name in Reading, Pa. • ALBERT W. FRANCIS (E) is president of the A. W. Francis Company in Somerset, Pa. • ALBERT F. PHILLIPS (E) has been appointed general superintendent of the substations and shops department, Duquesne Light Company, Pittsburgh. Mr. Phillips has been an employee of Duquesne Light since 1930. • ABE FEDER (A) conducted a seminar on "Dialogues in Lighting" for students in the College of Fine Arts and the College of Engineering and Science at Carnegie Tech this past spring. • H. F. BROWN (E) has retired from Esso Research and Engineering Company. He plans to do consulting work in the metallurgical field. Mr. Brown lives in Basking Ridge, New Jersey. • EDWIN M. STITT (A) is in private architectural practice in the Mentor, Ohio, area. His son, Myron M. Stitt, is a Carnegie Tech graduate in architecture. • JOHN B. HELMBOLD (I), former manager and industrial engineer with Fairchild Camera and Instrument Corporation in Joplin, Missouri, died on March 13, 1966. He had recently been living in South Pasadena, California. • JOHN W. HULBURT (A), artistic and managing director of the Citadel Theater, Edmonton, Alberta, Canada, died on May 8, 1966.

'31 ROBERT T. JONES (E) is retired and is living in Saratoga, California. • WILLIAM G. HELSEL, JR. (E) is a supervisor in industrial engineering with the American Bridge Division of U. S. Steel, Ambridge, Pa. • KENNETH F. JOHNSON (A) is retired as an engineer with N. W. Paper Company, Cloquet, Minnesota. • KENNETH OWENS (A), San Diego city schools music specialist, has been named to a two-year term as president of the California Music Educators Association. The 5,000 member association is the country's largest state body of music educators. Mr. Owens is a director of the San Diego Symphony Association, Opera Guild, Civic Youth Orchestra, and the San Diego Youth Symphony. • The Alumni Office has learned of the death of Mrs. CAROLINE WILLIAMS FOOTE (L), of Chappaqua, New York, on April 21, 1966. • FOSTER B. STULEN (E), of Boonton, New Jersey, died on April 11, 1966. Mr. Stulen was a mechanical engineer and department head at Curtiss-Wright in Caldwell, New Jersey, where he was employed 32 years. For the past 12 years, he served as a consultant in the field of fatigue and vibration analysis.

Deaths

E'08	Herbert R. Kohler
E'09	Walter Gray
E'09	Wallace G. Imhoff
E'09	Harvey J. LeFevre
I'10	Everett L. Corbett
I'11	J. A. Miller
I'12	M. Gray Cossitt
E'13	Lt. Col. L. Ray Foust
I'13	E. H. Hamilton
A'13	Adam McNaughton
E'13	Clyde A. Poister
I'14	Raymond E. Kraus
I'15	E. Raymond Bollinger
E'15	A. H. Weitz
E'16	Joseph R. Zetwo
E'16	Harry L. Braden
E'17	Rensselaer A. Gaines
E'17	Anthony J. Kerin
I'17	Frank W. Mehrten
I'17	Harry P. Ryan
L'17	Sarah H. Shaw
A'17	H. Wallace Smith
A'17	Charles F. Steen
I'18	Edward T. Johnston
E'18	Roscoe J. Patterson
E'19	The Very Reverend Alfred Hardman
E'20	Abe Cohen
E'20	Harry Ginsburg
E'20	Harry D. Krummell
A'20	Howard B. Pearce
I'21	Dr. Paul D. Good
E'21	Charles S. Siskind
E'21	Richard A. Swift
A'22	Mrs. James J. Rudisill (Mary B. Little)
E'22	Rutherford C. Scott
E'22	Ronald L. Stevenson
I'22	John W. Zimmer
A'23	George A. Brink
A'23	Mrs. James Dodds (Gertrude Robinson)
M'23	Mrs. Robert G. Young (Ruth Ann Barton)
PM'23	Frank R. Trechsel
E'24	Earll R. Muddiman
E'24	Israel Abbott
E'24	Joseph R. Doherty
A'24	Peter Horelick
I'25	John E. Smith
M'26	Mrs. Alan W. Morten (Martha I. Walter)
E'27	Dr. William J. Kroeger
A'28	William Ianni
PM'28	John Kascsak
I'30	John B. Helmbold
A'30	John W. Hulburt
L'31	Mrs. Caroline Williams Foote
E'31	Foster B. Stulen
A'32	James E. Lewis, Jr.
I'32	John P. Busch, Jr.
M'34	Mrs. Floyd C. Downey (Bernice L. Blackburn)
E'35	John C. Blackhall
A'36	Mrs. Louis J. McCord (Lois Hodil)
M'43	Mrs. Irving M. Perlmutter (Ruth S. Weinbaum)
E'44	John W. Schaupp, Jr.
E'45	Joseph I. Morgan
M'45	Mrs. Frances Fonda Loverin
HON'47	Dr. Rufus H. Fitzgerald
E'48	Myles W. Hershberger
A'48	Dorothy I. Schmitt
E'51	Arnold P. Anex
M'52	Mrs. J. Allen Knott (Patricia R. Kelley)
E'53	Dr. Robert Boyer
L'56	Mrs. J. D. Russell (Harriett Lewis)
M'59	Mrs. M. Christine Gengenbach Keppel
E'61	Robert Dupchak
A'64	Nikolas Skarlis

'32 Mrs. Richard R. Morganstern (ANITA FREUND, A'32) served as promotions chairman and a member of the executive committee for this year's Three Rivers Arts Festival in Pittsburgh. • DOROTHY EVERETT (A) has been appointed as advertising manager of Walker's Department Store in Long Beach, California. Miss Everett joined Walker's in 1958. • HAROLD W. MOHLER (E) has been with the IBM Corporation for 31 years. He is presently customer engineer field manager in Pittsburgh. • WILLIAM W. JUSTICE (E) has been appointed vice president-manufacturing operations for U. S. Steel's American Bridge Division, Pittsburgh. He joined U. S. Steel in 1933. • HYMAN G. LANDAU (E) is a research associate in mathematical biology at the University of Chicago. • The *Hartford Times*, June 16 issue, had an interesting article on housing rehabilitation. It mentioned the successful rehabilitation work being done by the Turner Realty Company in Hartford. The owner of Turner Realty Company is RICHARD TURNER (I). • JOHN BELL (E) retired from the Internal Revenue Service after more than 31 years of service. Mr. Bell is presently associated with S. R. Snodgrass and Co., Certified Public Accountants, Beaver Falls, Pa. • ARTHUR J. KOCH (E) is owner of A. J. Koch Electronics in Cambridge, Massachusetts. • JAMES E. LEWIS, Jr. (A), president of Atomic Basic Chemicals Corporation and board chairman of Clover Chemicals Company, Latrobe, Pa., died on July 4, 1966. • The Alumni Office was recently notified of the death of JOHN P. BUSCH, Jr. (I), of Pittsburgh, on October 7, 1965.

'33 DAVID O. STERN (E) is retired and is living in Greensboro, North Carolina. • HERBERT B. STONE (I) is a merchant at the Great Southern Shoppers Mart in Bridgeville, Pa.

'34 HARVEY SMITH (PM) has been named plant superintendent at Semco Color Press in Oklahoma City, Oklahoma. He joined Semco in 1963 after retiring from service as a lieutenant colonel. • LEON A. DAHLSTROM (E) is presently manager of quality control for Alco Products Inc., Latrobe, Pa. • JOHN F. PHILLIPS (I) is a partner with C. W. Phillips and Sons in Washington, Pa. • WALTER J. NOIGOT (E), assistant comptroller of West Penn Power Company, Greensburg, Pa., was guest speaker at the March meeting of the Westmoreland County Chapter of the National Association of Accountants. • PAUL R. FISHBURN (E) is a project engineer with A. O. Smith Corporation, Erie, Pa. • HANNIBAL J. R. GASPARI (E) has been promoted to plant superintendent at the home office of Morris P. Kirk & Son's Inc., a division of National Lead Company. The Gasparis live in Alhambra, California. • RALPH H. BARTELS (PM) is president of General Litho & Printing Company, Rockford, Illinois. • ELDER M. BURKHART (I) is presently employed by the Philco Corporation in Connersville, Indiana. • EMANUEL SCHUGAR (E) has been elected to the newly created post of vice president-International Division of Houdaille Industries, Inc. Mr. Schugar has been a Houdaille vice president for the past 16 years. In his new position he will direct the activities of the corporation in the development of further markets worldwide. • ALBERT S. WOODARD (E) is general manager-engineering with Pennsalt Chemical Corporation, King of Prussia, Pa. • Mrs. Floyd C. Downey (BERNICE L. BLACKBURN, M), of McKeesport, Pa., died on April 6, 1966. Among her survivors is her sister, MARGARET BLACKBURN (A'35).

'35 W. JAMES SHARBAUGH (E) has been appointed vice president of manufacturing and engineering of Fesco, Inc., a subsidiary of Celanese Corporation. Mr. Sharbaugh will direct operations of the Fesco plants in McKees Rocks, Pa., and Tustin, California, which produce a diversified line of plastic housewares and provide custom molding services to various industries. • Dr. LEON O. WINSTRON (E) received the 1966 Jacob F. Schoellkopf Medal "in recognition of his original contributions in the development of low pressure catalytic hydrogenation processes. This major advance in technology made possible establishment of the first low cost commercial processes for high purity aniline, other aromatic amines and resin chemicals." The award was presented by the Western New York Section, American Chemical Society. Dr. Winstrom is research supervisor, Catalytic Research Group, National Aniline Division of Allied Chemical Corporation, Buffalo, New York. • EDWARD E. KING (A) is an architect with Larson & Ludwig in Pittsburgh. • JOHN R. MC GRANE (E) is a manufacturer's agent in the Erie, Pa., area. • THOMAS R. WARDELL (A) is presently in Phoenix, Arizona, where he is superintendent of recreation for the Maricopa County Parks and Recreation Department. • CAROLYN BOWMAN (A) is teaching art classes for children at the Key West Art Center in Key West, Florida. • The Alumni Office was recently notified of the death of JOHN C. BLACKHALL (E), of Pittsburgh, on July 29, 1965.

Alumni Federation

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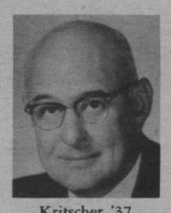
Sharbaugh '35

'36 JOHN E. ANDERSON, Jr. (E) is presently an industrial engineer with the U. S. Air Force in Washington, D. C. • JULIAN F. MUNSTER (E) is a sales engineer with Salem-Brosius Inc., Carnegie, Pa. • MORTON LEAVITT (A) is a member of the Cleveland Urban Renewal Committee. Mr. Leavitt has his own architectural firm in Cleveland. • HARRY A. VOSKAMP, Jr. (E) is president of G & H Research in McKeesport, Pa. • Dr. JOHN J. KEILEN (E) has been elected vice president of research and development of Charleston Rubber Company, Charleston, South Carolina. He also has been elected to the Board of Coatings and Chemicals, Inc., a wholly owned subsidiary of Charleston Rubber Company. • WALTHER L. HAVEKOTTE (E) is a technical sales representative with Chromium Mining and Smelting in Pittsburgh. • Mrs. David R. Weill, Jr. (EVA A. WINKLER, A) was a demonstrator for the Pittsburgh Three Rivers Arts Festival this spring. She did watercolors. • CHARLES M. KAY (E) has been promoted to assistant general superintendent-services and staffs with U. S. Steel Corporation's Gary Steel Works, Gary, Indiana. Mr. Kay joined U. S. Steel in 1936. • Mrs. Louis J. McCord, Jr. (LOIS HODIL, A), a teacher of music in the Pittsburgh and Pitcairn public schools, died on June 10, 1966. Mrs. McCord was a member and past president of the Tuesday Musical Club, the choral director of the College Club of Pittsburgh and Melody Club of the North Boroughs, a member of the Women's Association of the Pittsburgh Symphony Society, and the Pittsburgh Concert Society.


Kritscher '37

Feldmeier '38

'37 LUDWIG A. CANZIAN (E) is a senior design engineer with Blaw-Knox in Pittsburgh. • CALVIN H. SCHENK (E) has been promoted to development engineer with International Business Machines Corporation, Endicott, New York. Mr. Schenk joined IBM in 1938. • F. IRENE THOMAS (M) is presently a secretary at the Winchester-Thurston School in Pittsburgh. • WAYNE B. HESTON (E) is sales engineer with Lilly Industrial Coatings, Inc., Indianapolis, Indiana. • A. F. KRITSCHER (E) has been elected vice president of Kaiser Aluminum Technical Services, Inc. Mr. Kritscher has been general manager of engineering and construction for the company, and will continue this function. In addition, he has been assigned responsibility for the company's maintenance programming.

'38 JOHN R. HULLEY (E) is presently an assistant chief electrical engineer with Gibbs & Hill Inc., New York City. • JOSEPH F. THOMAS (A), president of the Neptune & Thomas & Assoc., Architects and Engineers in Pasadena, Cal., is president of the Pasadena chapter of the A.I.A. and director of the California Council of the A.I.A. He is also president of the Pasadena Citizen's Council for Planning, director of the Bank of Pasadena, and director of the California Roadside Council. • Mrs. Elmer F. Vroblick (MELA J. BAILEY, M) received her M.A.Ed. from the University of Pittsburgh in June. She is presently teaching in East McKeesport, Pa. • Dr. JOSEPH R. FELDMEIER (E), director of the Franklin Institute Research Laboratories in Philadelphia, was guest speaker at the annual meeting of the Niagara-Finger Lakes section of the American Nuclear Society held in Buffalo, New York, in May. His subject was "Are Commitments to Tradition Limiting Our Future?" Dr. Feldmeier is currently regional counselor in physics for the American Institute of Physics, chairman of the professional status committee of the American Nuclear Society and a member of the Governor of Pennsylvania's Science Advisory Committee. • LEONARD HARDIS (E) is a project analyst for the Goddard Space Flight Center in Greenbelt, Maryland. • Mrs. Jack Reno (HELEN WICKS, A) received her master's degree from the University of Pittsburgh. She is a social worker in the Department of Welfare, Board of Assistance, Northern District, Pittsburgh.

'39 REEVA PEARLSTEIN (M) is now working with the Social Security Administration in New Kensington, Pa. • RUTH LAMBIE (M), director of the laboratory nursery school at East Carolina College, has been elected president of the 13-state Southern Association on Children Under Six. Miss Lambie is coordinator-instructor for a federal program to train day care workers in Eastern North Carolina. She is also the Mid-Atlantic states' consultant for the Head Start Program and last summer served a seven-state region in the Southeast as special consultant for Operation Head Start. • JOHN CACHERIS (E) is serving as an alumni advisor for the Carnegie Admissions Council in the Scottsdale, Arizona, area. • ROBERT L. RINGWOOD (E) is president of the R. L. Ringwood Company. Mrs. Ringwood (DORIS BOLAND, M) is secretary-treasurer of the Chicago firm. • KENNETH J. VOGEL (E) has a new position as chief process engineer with the Braeburn Alloy Steel Company, Braeburn, Pa. • CLARENCE H. DANIEL (E) has been promoted to vice president and business manager at Rensselaer Polytechnic Institute. Mr. Daniel joined the Rensselaer staff in 1952. He is author of a handbook on Preventive Maintenance for the New York State Education Department and serves on a National Science Foundation research project which is analyzing physical facilities and needs of colleges and universities. Mr. Daniels is also director and secretary of the Greater Troy Chamber of Commerce. • MABEL C. KOCHER (L) received her master of science degree in library science from Western Reserve University in June.

Gruber '40

Chilton '40

'40 RALPH W. CLARK (E) is serving as an alumni advisor for the Carnegie Admissions Council in the Wilmington, Delaware, area. • R. L. RANKIN (E) is now vice president of engineering with the Resonant Pile Company in East Providence, Rhode Island. • MARION OTT PERCY (M) received her masters degree in education from Hunter College in June. She is teaching home economics full time at Pelham High School this fall. • CECIL H. CHILTON (E), formerly editor-in-chief of *Chemical Engineering*, has joined the staff of the Columbus Laboratories of Battelle Memorial Institute. He will serve as senior advisor in the department of economics and information research. Mr. Chilton is active on national committees of the American Institute of Chemical Engineers and currently is vice chairman of its Public Relations Committee. He is a member of the American Society for Engineering Education and serves on its Engineering Economy Division's policy board. • Mrs. I. B. Gruber (AARONEL DE ROY, M) received top award in the Ninth Jury Show of the Chautauqua, New York, Gallery of Art, held during July. Her winning painting was titled "The Space Between." and was one of more than 500 entered in the Chautauqua Art Association's annual exhibit. • Dr. R. A. FRIEDEL (E), project coordinator, spectrometry, Pittsburgh Coal Research Center of the Bureau of Mines, has received the highest honor of the U. S. Department of Interior, the gold medal for Distinguished Service, for his contributions to research on the physical and chemical structure of coal. Presentation of the Award was made by Secretary Udall at the Interior Building in Washington, D. C.

Huffman '41

Stingel '41

'41 HERBERT C. ROBISON (A) is an architect with H. M. Stauffor & Sons, Inc., Leola, Pa. • EDWARD E. HUNT (A), formerly a senior writer at Foote, Cone & Belding, Inc., has joined N. W. Ayer & Son, Inc., in the copy department of the advertising agency's Philadelphia Office. • Mrs. Morris Campbell (ELIZABETH CARROLL, M) is serving as an alumni advisor for the Carnegie Admissions Council in Fairless Hills, Pa. • RICHARD S. WALKER (E) is retired from the U. S. Army as a lt. colonel. He is presently business manager for Meramec Community College, Kirkwood, Missouri. • For the seventh consecutive year, JACK PURCELL (A) and his orchestra provided the music for the annual Pittsburgh Press Golden Wedding party held in May. • WALTER J. KLINAR (E) is assistant branch chief at NASA, MSC in Houston, Texas. • ARTHUR D. GLAMSER (A) is an architect with Rowley, Payer, Huffman & Leithold in Cleveland, Ohio. The Glamsers (NANCY BORIE, M'40) plan to attend Homecoming this fall. • ETHELWYN DYER (L) is a librarian at the Minneapolis Public Library, Minneapolis, Minnesota. • FRANK L. MC CANN (E) is president of the Mohawk Aluminum Corporation, Wallingford, Connecticut. • CHARLES P. BYRNE (E) is presently living in Gulfport, Mississippi, where he is manager of Struthers Wells-Gulfport, Inc. • Dr. JOHN R. HUFFMAN (E) has been appointed to the newly-created post of manager, Corporate Operations Evaluation Department of The General Tire & Rubber Company, Akron, Ohio. Dr. Huffman joined General Tire in 1957. • Col. JAMES E. MEANOR (E) is stationed with the U. S. Army in Saigon, Viet Nam. • DONALD E. STINGEL (E) has been appointed president of the National Carbide Company, a division of Air Reduction Company, Inc. Mr. Stingel joined Air Reduction in 1965. He had been with Union Carbide's Mining and Metals Division for 24 years. He is a member of the American Institute of Metallurgical Engineers and the Society for Chemical Industries.

'42 WILLIAM H. BARTLES (E) has been transferred from Washington, D. C. to Miramar, California, where he has assumed duties of aircraft maintenance officer on the staff of Confairmiramar. • Dr. ARTHUR E. STEELE (E) is now president of Clearwater Christian College in Clearwater, Florida. • ROBERT E. COWIE (E), manager of training services for Maynard Research Council, Inc., Pittsburgh, was guest speaker at a meeting of the Westmoreland Association of Industrial Engineering this past spring. • Mrs. August Bruns (FLORENCE GIBBONS, A) is advertising director for the Claremont (California) *Courier*. • ALBERT J. KRITSCHER (E) is a supervising engineer with Bechtel Corporation in San Francisco. • MARTIN REYNOLDS (E) is serving as an alumni advisor for the Carnegie Admissions Council in Denver. • JOHN L. MANGAN (E) is manager of business planning in the Power Generation Division of General Electric Company, Schenectady, New York. • After 24 years of service MATTHEW R. GROMADA (E) retired from the U. S. Navy. He is now employed by Sikorsky Aircraft Division, Stratford, Connecticut, as a project engineer for foreign military programs. • RALPH M. GEORGE (E) is district chief engineer with the Factory Mutual Engineering Division in Cleveland. • GEORGE W. KROSS, Jr. (E) has been named to the newly created position of assistant plant manager of the Milwaukee plant of the Babcock & Wilcox Company's Tubular Products Division. Mr. Kross joined Babcock & Wilcox in 1947. Prior to his promotion Mr. Kross was assistant manager of the Tubing Operations at the Beaver Falls (Pa.) plant. • ROBERT W. ROLF (E) has been appointed general manager-engineering for Ore-Ida Foods, Inc., a subsidiary of H. J. Heinz Company, Pittsburgh. His headquarters will be in Ontario, Oregon.

Rolf '42

'43 ROBERT L. DIETRICH (E), formerly director of engineering and manufacturing of Celanese Corporation, has been appointed president of Celanese Fibers Company. Mr. Dietrich will be located in Charlotte, North Carolina. • FRANK D. SECAN (E) has retired as a lt. col. in the U. S. Army. The Secans are presently living in Tucson, Arizona. • NORMAN O. MCELVANY (E) is living in Baytown, Texas, where he is manager of real estate for U. S. Steel Corporation. • The DONALD C. SCHELINES (E, and E. JANE ARNOLD, A'41) recently moved to Houston, Texas. Mr. Scheline is licensing director-chemicals with Gulf Oil Corporation. • Dr. GEORGE M. ANDERSON (E), department head, launch planning department, Bellcomm, Incorporated, Washington, D. C., and JACK L. BOWERS (E), general manager, Convair Division, General Dynamics Corporation, San Diego, California, are Alumni members of the visiting committee of the department of electrical engineering at

Kross '43

Dietrich '43

Reisacher '43

Carnegie Tech. • Dr. H. NELSON CROOKS (E) is manager of advanced development of the new Graphic Systems Division of RCA in Princeton, New Jersey. Dr. and Mrs. Crooks (LUCILLE ORR, M) and their family moved last summer from Cambridge, Ohio, to 41 Leabrook Lane, Princeton. Their son, H. Nelson, Jr., is attending Carnegie Tech's College of Engineering and Science this fall. • L. E. CROUP (E) has been appointed vice president-refining, Pacific Gulf Oil Limited. Mr. Croup joined Gulf in 1945. • Lt. Col. ROBERT W. REISACHER (A) graduated from the U. S. Army War College at Carlisle Barracks, Pa., in June. • Mrs. Irving M. Perlmutter (RUTH S. WEINBAUM, M), head of the technical process department of Hunt Library at Carnegie Tech, died on June 14, 1966. She was a member of the Pennsylvania Library Association and the American Library Association.

'44 HENRY BURXZTYNOWICZ (A) had his art work represented at the 1966 Three Rivers Arts Festival in Pittsburgh. • NEIL B. GALLUZZO (E), managing director of Societe Monsanto, has been appointed to the newly-created position of production manager for the Hydrocarbons & Polymers Division. His headquarters will be in St. Louis. Mr. Galluzzo joined the company in 1947. He has been in France since 1952 and has been managing director for Societe Monsanto since 1962. • JOHN SCHAFFER (A) is serving as an alumni advisor for the Carnegie Admissions Council in Denver, Colorado. • FRANCIS P. TOMSON (E) has been appointed assistant to fuel engineer at Bethlehem Steel Corporation's Lackawanna plant. • WILLIAM A. CHESNEY (E) is a resident engineer for the consulting engineers, De Leuw, Cather & Co., San Francisco. The firm is doing consulting work for bridges being constructed on Southern Pacific's new railroad from Colton to Palmdale. • JOHN W. SCHAUPP, Jr. (E), an electrical engineer for the Allis-Chalmers Manufacturing Company in Pittsburgh, died on May 11, 1966. Mr. Schaupp worked for the firm since 1947. He was involved in work on the Manhattan atomic bomb project during service in World War II.

Let's Meet & Eat

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

BOSTON
Third Wednesday of each month, 12 noon
Rosoff's—97 Summer Street
(No Reservations Needed)
Pres. Donald L. Lilly
Secy. Jo Anne Prouix

CHICAGO
First Monday of each month, 12 noon
Men's Grill, Carson's, S. State Street
For reservations call
Pres. Richard A. Waichler
Secy. F. M. McGee, 262-0117

CLEVELAND
Second Friday of each month, 12 noon
(Except August)
Cleveland Engineering Society
3100 Chester Avenue
(No Reservations Needed)
Pres. William S. Haddock, Jr.
Secy. Mrs. Robert Aronson

NEW YORK
Downtown—3rd Wednesday of each month
12:30 P.M., Miller's Woolworth Bldg.
233 Broadway
Uptown—last Thursday of each month, 12:30 p.m.
N.Y.U. Club, Town Hall Bldg.
123 West 43rd Street
(No Reservations Needed)
Pres. Jacolyn Connolly
Secy. Mrs. Diann Litwar Fleischmann
Clan Telephone Barclay 7-9190

PHILADELPHIA
Second Friday of each month, Alpha Club
1911 Chestnut Street
For reservations call Charles Neu
EV 2-1000 (ext. 2567)
Pres. John D. Beattie
Secy. Richard Elkman

PHOENIX
First Tuesday of each month, 12 noon
Smokehouse Restaurant
4701 North 16 Street
(No Reservations Needed)
Pres. William Lockard

SAN DIEGO
Second Wednesday of each month, 12 noon
The Islands Restaurant, Hanalei Hotel
Mission Valley
For reservations call
Pres. Bruce L. Brown, 278-1242
Secy. Mrs. Cecil Cotton

WASHINGTON
Second Thursday of each month, 12 noon
O'Donnell's, 1221 "E" Street, N.W.
Pres. Gerard I. Sawyer
Secy. Mrs. Leah Wolf, TA 9-2132

'45 Mrs. Edward Harboe (RUTH STEINFURTH, M) is serving as an alumni advisor for the Carnegie Admissions Council in Denver. • EDGAR R. STEPHENS (E) is presently a research chemist at the University of California, Riverside, California. He is a staff member of the Air Pollution Research Center. • IRENE WAICHLER PASINSKI (A) had her art work represented at the 1966 Three Rivers Arts Festival in Pittsburgh. • ROBERT L. PENNOCK, Jr. (A) is general manager of the photographic products division of Honeywell, Inc., in Denver. • EDWARD L. FOSTER (E) is presently chief engineer of Sea-Land Service, Inc., Elizabeth, New Jersey. • Mrs. MARIAN FROST DONOVAN (A) received her Master of Social Work degree from Washington University in June. • JOSEPH I. MORGAN (E), an electrical and safety engineer with the Federal Power Commission in Arlington, Virginia, died on May 26, 1966. • The Alumni Office recently learned of the death of Mrs. FRANCES FONDA LOVERIN (M) in 1958.

'46 STANLEY E. SMITH (E), supervisor of controls engineering for West Penn Power Company, Greensburg, Pa., has been promoted to manager of controls and communications engineering for the company. Mr. Smith joined West Penn in 1948. • WILLIAM CARPENTER (E) has been appointed to the new position of director, national accounts and government relations in Pittsburgh Plate Glass Company's corporate marketing department. He will remain chairman of the company's Public Affairs Committee. He is vice president of World Affairs Council of Pittsburgh, director of the Pittsburgh Chamber of Commerce, and a director of the Effective Citizens Organization, Washington, D. C.

Carpenter '46

Bingham '46

• Dr. R. LOUIS BRIGHT (E), associate commissioner, U. S. Office of Education, Washington, D. C., is an alumni member of the visiting committee of the department of electrical engineering at Carnegie Tech. • Mrs. EVELYN FARGOTSTEIN FRANKEL (A) is teaching art at South Hills High School in Pittsburgh. She received her master's degree from the University of Pittsburgh recently. Last December she had an exhibit of her art work at Marimac Bank. • GEORGE J. CONROY (E) is an electrical research engineer at the U. S. Bureau of Mines in Pittsburgh. • VIRGIL CANTINI (A) was a guest speaker for the Mercersburg Academy Lecture Series last spring. His lecture was titled "Trends and Developments of Ideas in Contemporary Art." His art work was represented in the 1966 Three Rivers Arts Festival in Pittsburgh. • DONALD C. FRANZ (E) is manager of mechanical ground systems for Aerospace Corporation, El Segundo, California. • HARRY J. NOEL (PM) is president of the Indiana Transit Service, Inc., Indianapolis, Indiana. • RICHARD S. BINGHAM, Jr. (E), quality control manager, Consolidated Papers, Inc., has been elected an executive director of the American Society for Quality Control. The society is an international professional association of 20,000 scientists and engineers specializing in the field of quality control and reliability engineering. Mr. Bingham is a Fellow in the American Society for Quality Control, a member of its Board of Directors, and trustee of its Administrative Applications Division. • DONALD G. WILKINS (A) has joined the music faculty at Carnegie Tech as an associate professor. Mr. Wilkins, formerly an associate professor of music at Duquesne University, is organist and choirmaster at Calvary Episcopal Church, Pittsburgh; founder and director of the Pittsburgh Oratorio Society; and a frequent lecturer on music appreciation for the Pittsburgh Symphony Women's Association. • The Rochester (N. Y.) Democrat and Chronicle, May 15 issue, had an interesting feature story about the Kenneth G. Woodwards (JEANNE POWELL, M) and their family of nine children. • CONSTANTINE KERMES (A), a resident of Landis Valley, Pa., and president of the Echo Valley Art group, had a one-man art show at the Ephrata Playhouse during June.

Fulmer '47

Taylor '47

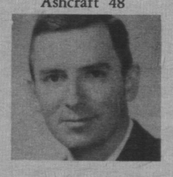
'47 L. JACQUELINE ALEXANDER (A) is an art director for RCA in Washington, D. C. • FRANKLIN G. ALLEN (E) is counsel and secretary for Fenestra Incorporated, Chicago. • BURT L. TAYLOR (E), senior technical staff member at Aerospace Corporation, San Bernardino, California, has been promoted to director of the Systems Design Subdivision, in the company's Technology Division. Mr. Taylor is now responsible for direction of weapon systems reliability and performance, and overall design activities. • THOMAS F. BARNHART (E) is a senior research engineer at the U. S. Steel Applied Research Lab in Monroeville, Pa. • T. B. MC INTIRE, JR.

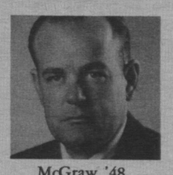
Tessmer '47

Hoover '47

(E) has been transferred by Westinghouse Electric Corporation from Groton, Connecticut, to Pittsburgh. He now works for the plant apparatus department. The McIntires have three children, Marilyn Sue, Timothy Knox, and Margaret Louise. • EDWARD W. DEMMLER (E) is an engineer with the National Aluminum Products Company in Pittsburgh. • ROBERT C. STRAKA, JR. (E) graduated from the Harvard Business School's Advanced Management Program in May. • GEORGE I. TEPLITZ (E) is owner of the Finleyville Furniture Company in Finleyville, Pa. • DAVID H. TESSMER (E) has been appointed assistant marketing manager in Dravo Corporation's Keystone Division, Pittsburgh. He joined the firm in 1940. • HERBERT G. HOOVER (E) has been promoted to colonel in the U. S. Air Force. Colonel Hoover is chief of the evaluation division at Andrews Air Force Base, Maryland. • HAROLD L. FULMER (E) has been appointed as chief engineer for U. S. Steel's Duquesne Works. Prior to his recent appointment he was manager-construction, Pittsburgh District for central engineering. • MRS. BETTY CAVITT MICHELSON (M) is serving as an alumni advisor for the Carnegie Admissions Council in Scottsdale, Arizona. • R. P. LINDGREN (E) has been appointed corporate vice president-marketing for Emerson Electric Company. Mr. Lindgren has been with Emerson since 1959. • KARL B. WEBER, III (E) recently completed three years as assistant professor of military science at the University of Cincinnati. In June he received his master's degree in community planning. He has been reassigned to the 2nd Engineer Construction Group in Korea as plans operations training officer. He now has the rank of lieutenant colonel. • G. W. BASSETT (PM) has been elected president of the Miehle division of Miehle-Goss-Dexter, Inc., Chicago. Mr. Bassett joined the Miehle Company in 1948. • Mrs. John M. Rowley (SALLY LIGHT, M) has been appointed as head librarian at Mt. Mercy College. • JOAN C. SIEGFRIED (A) received her Ph.D. degree in history of art from New York University Fine Arts Institute. The subject of her dissertation was "The Formation of the Impressionist Style of Painting. Its Pictorial Themes and Manner of Composition from 1860 to 1870." • Dr. RUFUS H. FITZGERALD (HON), chancellor emeritus of the University of Pittsburgh, died on April 11, 1966. Dr. Fitzgerald retired from Pitt in 1955 after 44 years of service as an educator in American universities. Dr. Fitzgerald became chancellor when the late Dr. John G. Bowman retired in 1945. He was president of the Association of American Colleges and served on two commissions on appointment by President Eisenhower—the Commission on Fine Arts and the U. S. Advisory Committee on Education Exchange.

Ashcraft '48




McGraw '48

Charpie '48

'48

EVERETT C. HOFFMAN (A) is promotion and research director for *Modern Packaging Magazine,* McGraw-Hill, Inc. in New York City. • RAY BEACHA (E) is now a vice president of The Union Corporation, Verona, Pa. He has responsibility for sales and engineering in the company's spring and pressed steel products. • ROSS ROGERS, JR. (E) is president of Electronic Computer Programming Inst., San Diego, California. • VERNON G. JACKSON (E) is now manager-engineering administration with Westinghouse Air Brake Company, Wilmerding, Pa. Mr. Jackson is presently serving the Township of Penn Hills as a member of its Planning and Zoning Commissions. • Dr. AUDREY MENZ (M) is executive officer in the Mental Health Division, Department of Health, State of Hawaii. She has been serving temporarily as director of the State Hospital in Kaneohe. • Mrs. HELEN CITRON BOODMAN (A) had an exhibit of her paintings at the Piper Gallery of the Cary Memorial Library, Lexington, Massachusetts, during June. • STAN SHILLER (E) is chief mechanical engineer with Orion Research Inc., Cambridge, Massachusetts. • HOWARD M. ROBINSON (PM) is presently an estimator for Herbick & Held Printing Company in Pittsburgh. • DONALD C. MC GRAW, JR. (PM), of McGraw-Hill Publications, has been appointed vice president, marketing, in addition to his present responsibilities as vice president, advertising sales. Mr. McGraw joined McGraw-Hill in 1950. He assumed the position of vice president, advertising sales, in 1963. • ROBERT A. CHARPIE (E) has been appointed president of the new Electronics Division of Union Carbide Corporation, New York City. The new division will pursue the corporation's business opportunities in electronics and will take over Union Carbide's present activities in this field, which have been centered in the Linde Division. Dr. Charpie became associated with Union Carbide in 1950 when he joined the staff of the Oak Ridge National Laboratory. • Dr. EDMOND J. WHITTENBERGER (E) has been appointed division superintendent of steel production at the Gary Works of U. S. Steel Corporation. He joined U. S. Steel in 1952. • Dr. PAUL NUMEROF (E) will represent Carnegie Tech in the academic procession of the Rutgers University Bicentennial Convocation. On September 22 about 30,000 persons from all over the world are expected to attend the 200th anniversary convocation, which will highlight the year-long celebration of the Rutgers Bicentennial. • ROBERT E. ASHCRAFT (PM) has been named secretary in the office administration department at The Travelers Insurance Companies, Hartford, Connecticut. Mr. Ashcraft is past president of the Hartford Club of Printing House Craftsmen and a trustee of the Mark Twain Memorial. • MYLES W. HERSHBERGER (E), founder and president of the Hershberger Machine Company, Neville Island, died on March 28, 1966. His home was in Coraopolis, Pa. • The Alumni Office recently learned of the death of DOROTHY I. SCHMITT (A), of Pittsburgh, on December 31, 1965.

Clark '49

'49

BARRY FARNOL (A) is owner of Farnol Advertising in Pittsburgh. • MILTON D. DANIELS (E) has a new position as electrical design engineer in the Chemical Plants Division of Blaw-Knox Company, Pittsburgh. • LAWRENCE KETTLER (E) is presently project development director for the James B. Beam Distilling Company, Chicago. • WALTER G. NENDZA (E) is field manager for IBM Corporation in Pittsburgh. • ABRAM G. HOPPER, JR. (E), of Princeton, New Jersey, and JOHN P. COFFIN (E), of Trenton, New Jersey, are serving as alumni advisors for the Carnegie Admissions Council. • WILLIAM H. CLARK (A), district sales manager of Nationwide Insurance, Somerset County operations, was named "sales manager of the year" at the organization's Pittsburgh regional sales manager meeting held in March. He received the recognition for over-all performance in the various areas of sales management responsibilities. Mr. Clark joined Nationwide in 1955. • Dr. GEORGE F. HUFF (E) has been transferred to Gulf Research and Development Company at Harmarville as director of the newly established chemicals department. He was formerly technical coordinator in Pittsburgh. • Dr. JOHN T. PITTENGER (E) is in Newell, West Virginia, where he is a quality control superintendent with Homer Laughlin China Company. • The EDWARD M. HEADS (E, ELEANOR GRANTHAN, M) are living in Arlington, Virginia. Major Head is in the U. S. Air Force. Mrs. Head is a teacher at the Institute of Modern Languages. • SAMUEL R. HARPER, JR. (E) has been appointed assistant chief mechanical engineer in the design engineering department of Dravo Corporation's Machinery Division. • JAY W. ATMAN (E) has been appointed manager of technical services in Aluminum Company of America's newly formed electrical industry sales group. He was formerly assistant manager of electrical accessory sales for the Rome Cable division. • E. I. du Point de Nemours & Company, Wilmington, Delaware, has announced the appointment of Dr. JOHN G. WALLACE (E) as manager for dry cleaning products in Du Pont's electrochemicals department. Dr. Wallace has been with Du Pont since 1950. • ROBERT P. CRAGO (E), manager of systems development, IBM Washington Systems Center, Washington, D. C., is an alumni member of the visiting committee of the department of electrical engineering at Carnegie Tech. • JAMES D. MEENAN (E) has been named general supervisor-roll design in the Roll Shop of U. S. Steel's Homestead Works.

Harper '49

Meenan '49

'50

DON M. STITT (E) has been appointed general manager of Rockwell Manufacturing Company's water meter manufacturing plant in Pittsburgh. • ROBERT E. HAGARD (A) is a consultant in industrial design. He designed and built his own home in North Kingston, Rhode Island. • JOHN C. DAGER (E) is a metallurgical engineer in the Customer Technical Service Group in U. S. Steel Corporation in Dallas, Texas. The Dagers have two children, Diana Lynn and John Robert. • SEYMOUR TOMASHOFF (A) is currently designer for the new American Broadcasting Company's television program "Dark Shadows." Mr. Tomashoff had an exhibition of his paintings at the Hudson River Museum in Yonkers, New York. • EDWARD M. KOSEWICZ (A) received a Westinghouse Electric Corporation Award for his entry in the 1966 Three Rivers Arts Festival in Pittsburgh. • Mr. and Mrs. JOHN F. BIEWENER (E, and SALLY HUTCHINSON, M) are serving as alumni advisors for the Carnegie Admissions Council in Pennington, New Jersey.

Kablach '50

Vogan '50

• M. D. MC CLUSKY (E) writes that he is still in Australia and hopes to be in Pittsburgh for the 1968 Homecoming. • GERALD V. HEBERT (A) had his work exhibited in the 1966 Three Rivers Arts Festival in Pittsburgh. • ROBERT M. SINCLAIR (E) has been appointed manager of technical process systems planning in Chrysler Corporation's newly-formed Management Organization and Systems Office, Detroit. Mr. Sinclair joined Chrysler Corporation in 1950. • THOMAS L. KABLACH (E) has been named director of metallurgy, research, and quality control for Erie Forge & Steel Corporation, Erie, Pa. He had formerly been plant metallurgist of Pittsburgh Steel Foundry & Machine Company. • STARKE DRISCHELL (A) was ordained in June and is presently serving as pastor in the Lutheran Church of The Redeemer in Buffalo, New York. The Drischells (PAT SNEDDEK, M'51) have three children, Kim, Laurie, and Desie. • CLARE C. CORNELIUS (A) is an architect with Stotz, Hess & MacLachlan in Pittsburgh. • EDWARD SULLAM (A) is practicing architecture in Honolulu, Hawaii. • DELMAR C. DAGUE (E), tire division quality manager of General Tire, Akron, Ohio, has been elected president of Akron Council of Engineering and Scientific Societies for 1966. • PAUL F. HOERATH (E) is presently assistant regional mechanical officer with the Pennsylvania Railroad in Chicago. • BEATRICE B. RUSSO (A) is in Ft. Lauderdale, Florida, where she is a music teacher in the public schools. • MILLER B. SPANGLER (E) has returned from New Delhi, India, where he worked as program economist for the U. S. Agency for International Development. He has accepted the position as director of economic research with the St. Louis Regional Industrial Development Corporation, St. Louis, Missouri. • KARL E. V. SIEBER (E) is manager of industrial sales for Continental Can Company in Clarksburg, West Virginia. • After serving nearly two years in Southern Italy as technical advisor for a new Vinyl Resins Plant, JAMES B. KESSEL (E) has returned to the United States and is presently section head for Goodyear Tire and Rubber, Niagara Falls, New York. • EDWIN M. WALLOVER, JR. (A) has his own architectural firm in Beaver Falls, Pa. • JOSEPH R. VOGAN (IA) has been appointed as assistant director of purchases in the purchasing department-glass division, of Pittsburgh Plate Glass Company. Mr. Vogan is a member of the National Association of Purchasing Agents. • JOHN E. SCHUSTER (E) received his Master of Business Administration degree from Lehigh University in June. • CHARLES E. FALK (E), associate director of Brookhaven National Laboratory, has been named planning director of the National Science Foundation, Washington, D. C. In his new position, Dr. Falk will oversee the operations of three NSF planning offices and the Data Processing Center, and will maintain liaison with the Office of Science and Technology. • DAVID E. HARRIS (E) has been appointed director of the infrared laboratory, HRB-Singer, Inc., State College, Pa. Mr. Harris will be responsible for the direction of the company's research and development efforts in the area of infrared imaging equipment and techniques, particularly as concerns the development of advanced airborne infrared reconnaissance systems. • ROBERT M. SINCLAIR (E) has been appointed a department manager in Chrysler Corporation's newly-formed Management Organization and Systems Office in Birmingham, Michigan. As manager of technical process systems planning, Mr. Sinclair will be responsible for engineering and project development systems planning, technical process systems coordination, process and quality monitoring systems planning and tool and facility systems planning activities. Mr. Sinclair joined the Chrysler Corporation in 1950.

'51 JAMES M. ANDERSON (A) is president of Wrand Industries, Inc., Swarthmore, Pa. • MASSE BLOOMFIELD (L) is supervisor of the Culver City (California) Library and is employed by Hughes Aircraft Company. • JOSEPH W. CLIFFORD (E) has been appointed plant manager of National Can Corporation's plant in Rockford, Illinois. • Mrs. Robert L. Decker (MARY ANN KOSTELNOCK, A) is teaching full time in the Torrance (California) Schools. She concluded her term of office as secretary for the Los Angeles Clan. • ROBERT R. BASSETT (A) and ART GODFREY (A) of Godfrey Bassett & Pitts, architects in Jackson, Mississippi, have finished plans for a 9-story dormitory for Mississippi State University and are working on a 7-story dormitory for the university. • JOHN N. KEHAYAS (A) is teaching at Langley High School in Pittsburgh. • FREDERICK C. PRICE (E) has been appointed editor, presentation and production, of *Chemical Engineering*, McGraw-Hill publication. Mr. Price joined the staff of *Chemical Engineering* in 1960. • Dr. E. A. SACK (E) has been appointed to the new position of assistant manager at the molecular electronics division of Westinghouse Electric Corporation, Baltimore. • ONORIO COLUCCI (E) is now director of corporate engineering for Armour and Company, Chicago. • KEITH BRADLEY (E) is serving as an alumni advisor for the Carnegie Admissions Council in Denver. • JAMES R. TUCKER (E) received the Goodyear Tire & Rubber Company's highest recognition for outstanding service in tire development. Mr. Tucker, chief engineer of product compounding for Goodyear, was recognized "for developing a method of using Tufsyn rubber in aircraft tire treads, thus increasing the number of landings of commercial aircraft tires, and for recognizing the importance of the effect of seasonal operation on tire wear." • Mrs. Stephen L. Peake (ELVIRA LORESKI, A) and Mrs. Wayne McBeth (LUCILLE PARISH, A) had their art work represented in the 1966 Three Rivers Arts Festival in Pittsburgh. • ALLAN J. MOORE (E) of Dumont, New Jersey, has been elected vice president of Edgar Steiner & Company, international research and development firm. • PATRICIA BURK BRAULT (M) received her Master of Social Work degree from the University of Denver this June. • The Alumni Office has learned of the death of ARNOLD P. ANEX (E) on February 1, 1966. His home was in Woodland Hills, California.

Hunter '52

'52 NORMAN C. RICHARDSON (PM) is a compositor for The Spiral Press, New York City. • U. S. Navy Commander EDGAR D. MITCHELL (E) has been chosen by the National Aeronautics and Space Administration for crew training at the Manned Spacecraft Center for the Apollo and subsequent space missions. Commander Mitchell was recently graduated from the U. S. Air Force Aerospace Research Pilot School, Edwards Air Force Base, California. • ROBERT C. KNEPPER (E) is a senior staff engineer with Hughes Aircraft Company in Fullerton, California. • JOHN LUCHOK (E) has been named general product manager of the Metallurgical Division of Heraeus-Engelhard Vacuum, Inc., Pittsburgh. • Dr. HAROLD L. DIMOND (E) has a new position as senior development chemist with Hilton-Davis in Cincinnati. He will be involved with the development of new dyes and processes for producing them. • KENNETH L. GOLDMAN (E) is presently a senior systems engineer with TRW Systems, Redondo Beach, California. • THOMAS E. BRUBAKER (A), production director of WSBT and WSBT-TV, South Bend, Indiana, is serving as public information and education chairman of the United Community Services. He is also a member of the 1966 executive committee and board of directors of UCS. • Dr. RICHARD KARP (A) has been appointed professor of music at St. Vincent College, Latrobe, Pa. He is also a professor of music history at Seton Hill College, Greensburg, Pa. Dr. Karp has been general and musical director of the Pittsburgh Opera, Inc., since 1942. • RICHARD J. MAGNER (E) is presently a project manager with The Hannan Company in Cleveland. • W. W. HUNTER (E) has been appointed chief mechanical engineer of the Machinery Division of Dravo Corporation. Prior to his new appointment, he served as assistant chief mechanical engineer. Mr. Hunter is a registered professional engineer in Pennsylvania. • GLENN A. VOORHEES, JR. (E) is a project engineer with TRW Systems Inc., Redondo Beach, California. • RICHARD SCANGA (A) is the new general manager of the Candlewood Theater in Danbury, Connecticut. • JOHN L. KOLBE (E), formerly with Northwest Beryllium Corporation in Rapid City, South Dakota, is now a chemical engineer with W. R. Grace & Co., Clarksville, Maryland. • JOHN MELADY (A), of New York City, is harpist in "Hello Dolly." He is completing an album with Aileen Fulton. • C. RICHARD WHITSON (A), assistant manager of advertising design at Armstrong Cork Company, was design artist for the production of the religious musical, "For Heaven's Sake," which was sponsored by four Lancaster, Pa., churches. • DON BOLAND (E) is now group leader-Quality Assurance with Fiber Industries, Inc. in Salisbury, North Carolina. The Bolands and their four children are living in Woodleaf, North Carolina. • RICHARD G. MEANS (A) is solo pianist at the Sewickley Motor Inn. He has made one LP recording. The Means (LILY FURIA, M) have two children, Gwen and Ben. • Mrs. J. Allen Knott (PATRICIA R. KELLEY, M), of Pittsburgh, died on May 16, 1966. • JIM CARTER (A) has been awarded an experienced teacher fellowship under the Higher Education Act of 1965 for graduate study in general music and the humanities at the University of Michigan at Ann Arbor. He has obtained a year's leave of absence from his position of vocal music teacher at Harvey High School in Painesville, Ohio, where he has taught for 11 years.

Kaften '53

Mitchell '52

Walker '53

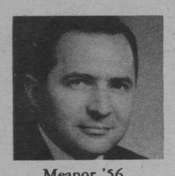
'53 Mrs. Douglas Kaften (JANET CULBERTSON, A) had an exhibition of her art work at Pace College during April. Mrs. Kaften is an instructor in arts at the college. • JAMES M. VAN SICKLE (E) has his own engineering and contracting company in Medford, Oregon. • JAMES A. HOUSE, III (A) had his second showing of his paintings at Granville Gallery, New York City. Mr. House is an architectural designer with Maria Bergson Associates in New York City. • Dr. JAMES E. WALKER (E) has been appointed vice president of Esso Chemical S.A. with headquarters in Bruxelles, Belgium. The company is responsible for managing and directing all of Esso's chemical activities in Europe and Africa. Dr. Walker was formerly manager of the Planning and Marketing Services Division in Bruxelles. Dr. Walker is also a member of the Board of Directors of the International School of Bruxelles. • ROBERT L. MC KEE, JR. (IA) was promoted to plant manager of the Press Metal Division of Flint Manufacturing Plant, Flint, Michigan. • PAUL W. BERNSTEIN (E) is a senior project engineer with Hughes Aircraft Company, El Segundo, California. • Dr. ROELIF STAPELFELDT (E) is in Houston, Texas. where he is a research associate at Baylor University College of Medicine. • SUZANNE R. CROSS (L) is employed by the Milwaukee (Wisconsin) Public Library as a science coordinator. • ALAN MC KNIGHT (E) is a project engineer for E. I. du Pont de Nemours & Co., Deepwater, New Jersey. • JOSEPH GALLUZZO (E) has been elected to a two-year term of office as first vice president of the Administrative Division of the Chicago Section, Instrument Society of America. Mr. Galluzzo is a process engineer at Abbott Laboratories, No. Chicago, Illinois. • ALFRED S. WENTWORTH, JR. (PM) is assistant manager of Western Electric Company, Montgomery, Illinois. • PAUL H. BIRD (PM) has a new position as graphic arts consultant with Thomas P. Mahoney & Associates, Chicago. • ROELIF STAPELFELDT (E) received his Doctor of Medicine degree from Western Reserve University in June. • CLYDE V. STAHLE, JR. (E) received his M.S. degree in engineering management from Drexel Institute of Technology in June. • JOAN NORTON-TAYLOR (A) celebrated her 10th anniversary with the life picture collection department of Time, Inc., New York City, where she is an assistant chief. • Dr. ROBERT BOYER (E) was one of those slain by the University of Texas sniper on August 1, 1966. Dr. Boyer had served as a research assistant in relative theory at the Austin campus and was to have returned to Liverpool, England, where he was a lecturer in the department of applied mathematics at Liverpool University.

'54 DAVID G. WOODWARD (IA) is presently supervisor manufacturing engineer with United Control Corporation, Redmond, Washington. • RICHARD F. BALUKIN (E) has been appointed supervising design engineer-locomotive and passenger car equipment with Westinghouse Air Brake Division, Wilmerding, Pa. • RONALD H. BLOHM (PM) is now in Wisconsin where he is product performance manager for Kimberly Clark, in Kimberly. • DEAN E. BLUMAN (E), an assistant professor of mechanical engineering at the University of Toledo, passed his final oral examination for the degree of Ph.D. in Engineering at West Virginia University. His doctoral thesis project, involving the use of gas-solid suspensions as nuclear reactor coolants, was co-sponsored by the U. S. Atomic Energy Commission and the Bureau of Mines. • CARY CLASZ (A) is presently director of theater at Kansas State College of Pittsburg, Kansas. • JAMES K. TAYLOR, JR. (E) is an engineer with International Research and Development Corporation, a subsidiary of H. H. Robertson in Worthington, Ohio. • EARL W. COLEMAN (E) is senior manufacturing welding engineer with Unidynamics, a division of UMI Inc., St. Louis, Missouri. • JOHN R. MC NAUGHER (E), formerly with General Electric, is now chief electrical engineer-proposals with Morgan Construction Company in Worcester, Massachusetts. The McNaughers have four daughters. • JAMES H. MC CARTNEY (E) has been appointed staff assistant at the Pittsburgh branch office of Connecticut General Life Insurance Company. He joined the company's Pittsburgh agency in 1965 as an estate planning agent. He is a member of the Pittsburgh Life Underwriters Association. • JERRY L. CAPLAN (A) demonstrated water color painting at the the 1966 Three Rivers Arts Festival in Pittsburgh. • SAM S. VIGLIONE (E) was a guest speaker at the 1966 Spring Joint Computer Conference held in Boston in April. The conference is sponsored by the American Federation of Information Processing Societies to encourage exchange of information on advanced developments in computer-related fields. The title of Mr. Viglione's paper was "A Pattern Recognition Technique and Its Application to High Resolution Imagery." Mr. Viglione is manager of the electronics department for Douglas Aircraft Company/Astropower Laboratories, Newport Beach, California. • JOSEPH GALANDA (A) was ordained a priest at Saint Paul's Cathedral in Pittsburgh in May. • PHILIP MOSBERGER (A) had an exhibition of his paintings and drawings at the Hiestand Gallery, Miami University, Oxford, Ohio, during June. • D. STEWART ALEXY (A) is serving as rector of The Church of St. Paul in the Desert, Episcopal, Palm Springs, California. Mrs. Alexy is the former SARA ANN CLARK (M'57). • WILLIAM A. PREY (E) and SHIRLEY MUTCH (M), and their three children, Scott, Jeff, and Debbie, are now living in Genoa, Italy, for a period of three years. Mr. Prey is on the design supervision staff for Esso's LNG tanker project. The building of three liquified natural gas tankers in Genoa is part of one of Esso's major projects—the supply of natural gas to Europe from African sources. The Preys would welcome any Tech friends traveling in Europe.

'55 F. BURTON DOERFLER (E) has been promoted to assistant chief engineer with Tippins Machinery Company, Inc., Pittsburgh. • GRANT S. BECKFIELD (E) is a project engineer with Weston Hydraulics, Van Nuys, California. • CHARLES C. SPRUMONT (E) is presently staff engineer with Allegheny Ludlum in Pittsburgh. • NORMAN L. CABAN (E) is a machine tool industry specialist with Westinghouse Electric Corporation. He is also chairman of Westinghouse's Machine Tool Forum. • R. M. SMITH (IA) has been named a vice president of General Investment Funds, an affiliate of the General Tire & Rubber Company, Akron, Ohio. In addition to his new position, Mr. Smith will continue his duties as a member of the Investment Board, fund manager and chairman, of the portfolio balance committee.

Smith '55

• CHARLES C. HULL, JR. (PM), president of the Hull Printing Company, Inc., Meriden, Connecticut, is presently serving as vice president of the Connecticut Valley Litho Club. • F. KEITH KELSAY (E) is vice president for manufacturing and material at California Computer Products, Orange, California. • Mrs. Sidney Dambrot (FAYE HERSH, M) received her master of arts degree from The University of Akron in June. She is an instructor in the department of psychology at the university. She is co-editor of *Readings in General Psychology*, published in 1965 by W. C. Brown Co., Iowa. • Dr. JOSEPH G. GORMAN (E), of Trenton, New Jersey; ROBERT HARING (E), of New Orleans, Louisiana; and MALCOLM A. GILLIES (E), of Woodland Hills, California, are serving as alumni advisors for the Carnegie Admissions Council. • Mrs. Lester Fein (SANDRA SWAILE, A) had her art work represented at the 1966 Three Rivers Arts Festival in Pittsburgh.



Meanor '56

'56 WILLIAM H. MEANOR (E) has been appointed coordinator, supply and distribution administration for Celanese Corporation, New York City. Mr. Meanor will be responsible for providing coordinative staff services and administrative support to the corporation's world-wide purchasing and traffic functions. He joined Celanese in 1964. • Dr. R. I. MC DOUGALL (E) has been promoted to research specialist in Esso Research and Engineering Company's Baytown, Texas, Research and Development Division. • Mrs. Julian B. Mohr (TEENA STERN, M), of Atlanta, Georgia, is still dancing and teaching dancing. • Mrs. Edward A. Menard (SHARON LEASE, M) is a staff programmer for IBM. The Menards are living in Broomfield, Colorado. • ROY G. KITZER, JR. (E) is a health physicist for Westinghouse in Madison, Pa. • PAUL T. BIRDSALL (PM) has a new position as industrial engineer with McCall Corporation in Dayton, Ohio. • Dr. H. MARTIN WEINGARTNER (IA) has been appointed a professor at the College of Business Administration, University of Rochester. He was formerly at Massachusetts Institute of Technology. • EDWARD J. SHANAHAN (E) is presently a senior systems analyst at Cyclops Corporation, Bridgeville, Pa. • PERCY T. KECK (PM), formerly an estimator at the Fetter Printing Company, Louisville, Kentucky, is now a sales representative for National Publishing Company in Washington, D. C. • DANIEL L. SAXTON (E) is now an engineer with York Division of Borg Warner, York, Pa. He is designing and testing prototype refrigeration units for railroad cars and trucks. The Saxtons (SHELIA HIBNER, M'57) have two children, Diane and Scott. • ROBERT W. WHEELER (E) is in Lincoln, Illinois, where he is a plant engineer with Pittsburgh Plate Glass Company. • Dr. MARGARET R. TRAMMELL (E) is a fellow scientist with Westinghouse Electric Corporation, Pittsburgh. • BARTLEY P. OSBORNE, JR. (E) has a new position as design specialist with Lockheed, Burbank, California. • HERBERT B. FORD (E) is teaching at San Jose City College in San Jose, California. Mrs. Ford is the former (DOROTHY LONG, M). • JAMES D. MENTZER (E) is an engineer/scientist specialist with Douglas Aircraft, Long Beach, California. • JOHN R. LAHET (E) is telecommunications test section head for Motorola Inc., Scottsdale, Arizona. • ROY G. KITZER, JR. (E) received his M.S. degree from Rutgers University in June. • ROBERT J. GOODE (E), of the Metallurgy Division, U. S. Naval Research Laboratory, received the Navy Meritorious Civilian Service Award. He was recognized "for his outstanding contributions to the field of selection criteria for failure safe use of high strength titanium and aluminum alloys in structural applications." • The Alumni Office recently learned of the death of Mrs. J. D. Russell (HARRIETT LEWIS, L), on August 26, 1965. Her home was in Tucson Arizona.

Swaney '57

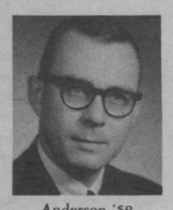
'57 MICHAEL BARNA, JR. (A) has been appointed packaging director for The Quaker Oats Company in Chicago. In his new position, Mr. Barna will have overall responsibility for packaging projects involving the five grocery product groups. He was formerly associated with H. J. Heinz Company in Pittsburgh. • Dr. GLENN A. WHAN (E), chairman of nuclear engineering at the University of New Mexico, Albuquerque, is on a one-year leave of absence in Portugal to work on an assignment for the International Atomic Energy Agency. • Last spring HARVEY S. LONG (E) was guest speaker at a meeting of the Mount Kisco Branch of the American Association of University Women. His topic was "The Role of Self-Instruction in Future Education." Mr. Long is manager of instructional devices, advance maintenance development, field engineering division of International Business Corporation in Poughkeepsie. •

Barna '57

Whan '57

RICHARD U. SWANEY (E) has joined Firth Sterling Inc., Pittsburgh, as a product metallurgist in the company's Steel Division. Mr. Swaney had been with Latrobe Steel Company. • Mrs. CYNTHIA CLARIHEW DIAMOND (A) had a one-man show of 45 of her art works at the Cayuga Museum in Auburn, New York, during March. • WILSON W. SICK, JR. (IA) has been appointed to the position of manager of the Ford Motor Company plant in Ypsilanti, Michigan. • CHARLES J. REES (E) has been promoted to district engineer for the Manufacturers Light and Heat Company, Wheeling, West Virginia. Mr. Rees joined the gas company in 1951. • ERNEST L. MOORE (E) is working as a missionary in Chile, South America. • HENRY E. DONEY (E) is assistant director-operations of the 10 GEV Synchrotron at Cornell University. The electron synchrotron is being constructed beneath Cornell Campus for NSF. The Doneys have two children and are living in Ithaca, New York. • A. PAUL JOHNSON (E) is a senior project engineer with Duquesne Light Company, Pittsburgh. • GERRY LILLIEROSE (PM) is presently a district salesman for J. W. Ford Company, Nashville, Tennessee.

'58 CLYDE E. ECK (M), of Belle Mead, New Jersey, and R. R. STEPHENSON (E), of Altadena, California, are serving as alumni advisors for the Carnegie Admissions Council. • The Charles S. Stones (SUSETTE GROVE, M) and their two sons, Curtis and Jeffrey, are now living in Pittsburgh. Dr. Stone is working in the University of Pittsburgh Medical Center. • JOHN W. HUGHES, JR. (PM) is vice president of manufacturing for Western Lithograph Company, Los Angeles, California. • WILLIAM L. ROBERTSON, JR. (E) has returned from England and is in Houston, Texas, where he is product manager for Cameron Iron Works. • RICHARD A. KOPPEL (PM) is president of Thos. A. Koppel & Son, Co., Inc., New York City. • FRANK W. THEODORE (E) is presently process design engineer in the Research Division of Consolidation Coal, Library, Pa. • CHARLES C. POIRIER, III (IM) received his masters degree from the University of Pittsburgh. He also was elected to membership of Beta Gamma Sigma, the national honor society for students of business administration. Mr. Poirier is now assistant general production manager in the Container Division of St. Regis Paper Company, Pittsburgh. • JAMES M. UTZIG (IM) is a sales engineer with the Technical Representation Inc., Tenafly, New Jersey. • DAVID A. RENSHAW (E) has relocated to Rotterdam, Holland, where he is a project engineer with Dow Chemical International A.G. • ROBERT F. COLLEY (PM) has a new position as production supervisor in the Printing Division of Westinghouse Electric Corporation. • DINO SAVIO (A) was elected as a member artist of the Silvermine Guild of Artists in Norwalk, Connecticut. • Dr. MARTHA MENTEER RUSSELL (M) is in her second year as a resident in physical medicine and rehabilitation at the New York University Medical Center. • ROBERT E. KESSLER (E) is presently a project engineer with Rockwell Manufacturing Company, Pittsburgh. • CARL F. SCHLENE (E) has been named engineering supervisor for West Penn Power Company's Butler Division. He joined West Penn in 1958. • JOHN P. HANCOVSKY (A) has been appointed packaging engineer at the Plastics Division, Mobil Chemical Company, Macedon, New York. Mr. Hancovsky will design and develop packaging used by the consumer plastics department. • RICHARD J. LESNAK (IM) has been named assistant professor of mathematics at the new Robert Morris Junior College in Carthage, Illinois. His new position becomes effective in October. Mr. Lesnak has served as math department chairman at Robert Morris Junior College, Pittsburgh.



Anderson '58

• The May 22 issue of the *Pittsburgh Press* had an interesting feature story on MARTA SANCHEZ (A) and her work in Project Fine Arts. This project is an experimental program aimed at bringing an awareness of the arts to the bright young people in City schools. For the past year she has been working for the Pittsburgh Board of Education in the Compensatory Education Program. • FRANK C. SMITH, JR. (PM) is sales representative for Stein Printing Company in Atlanta, Georgia. The Smiths have three children, Kimberly, Scott, and David. • TROY WEST (A) had his art work represented in the 1966 Three Rivers Arts Festival in Pittsburgh. • ALBERT L. HORLEY (E) is a consultant in the Executive Office of the President, Telecommunications Management, Washington, D. C. In 1967 he plans to go to India with the U.N. • EUGENE W. ANDERSON, JR. (E) has been appointed an account supervisor on the Pittsburgh staff of Burson-Marsteller Associates, international public relations firm. The Andersons (JUDITH DUNKLE, A'57) have two sons, Eugene III and Eric.

Births

Mark Andrew born to Mr. and Mrs. Joseph W. Wilkinson (E'47)
Dov Michael born to Mr. and Mrs. Stanley Shiller (E'48)
Timothy Michael born to Mr. and Mrs. Don Boland (E'52)
James Edward born to Mr. and Mrs. Edward J. Stephens (E'53)
Paul Ronald born to Mr. and Mrs. Ronald P. Prothero (E'54)
Kent Riley born to Mr. and Mrs. Phillip Reigel (Nancy G. Powell, M'56)
Michael Charles born to Mr. and Mrs. Alan E. Dalby (Joanne Clare Hurley, M'57)
Thomas Ronald born to Captain and Mrs. Edward Robert Raupp (PM'58)
Hillary Arden born to Mr. and Mrs. William J. Jefferson, II (PM'58)
Timothy Scott born to Mr. and Mrs. Richard G. Wiley (E'59)
Douglas Scott born to Dr. and Mrs. John H. Lindblad (Jeanette M. Dequinze, M'59)
Kristin Marie born to Dr. and Mrs. Nicholas F. Fiore (E'60)
John Thomas born to Mr. and Mrs. Thomas A. Olson (Sara L. Ennis, M'61)
Dorothy Annette born to Mr. and Mrs. Charles D. Grosick (Priscilla A. Delach, A'61)
Jay David born to Mr. and Mrs. Robert Pearson (Marianna E. Buck, M'62)
David Philip born to Mr. and Mrs. Richard M. Kopenik (E'63, and Joan L. Sabo, A'63)
David Hillel born to Mr. and Mrs. Allan J. Topol (E'62, and Barbara Lynn Rubenstein, M'63)
Vivian Ayn born to Mr. and Mrs. R. James Hatfield (IA'64, and Nancy Osmond, M'64)
Amy Elizabeth born to Mr. and Mrs. Fred Brownfeld (Marilyn Levy, A'64)

'59 EDGAR S. DAVIS (E), of La Canada, California, is serving as an alumni advisor for the Carnegie Admissions Council. • DARLENE L. PYLE (M) is in Fort Lauderdale, Florida, where she is secretary to the president of Behring Properties Inc. • GLENN A. ZOCKOLL (A) is instrumental supervisor at the Dallastown Senior-Junior High School, Dallastown, Pa. He teaches general music, the humanities, and all instrumental music. He also is director of bands and twirling at Kennywood Park, Pittsburgh. • JOHN T. WARD (E) is in Tokyo, Japan, where he is engineering manager with Clark Bros. Co., Ltd. • GEORGE V. BOLLER (E) is presently an instrumentation engineer with General Electric Company's Flight Prop Division, in Evendale, Ohio. • JAMES A. SWARD (E) is a manufacturing manager for Superior Design Inc. in Parsippany, New Jersey. Mrs. Sward is the former MARGARET FOSTER, (M'58). • Dr. WILLIAM F. POUNDS (IA) has been appointed dean of the Alfred P. Sloan School of Management at Massachusetts Institute of Technology. Dr. Pounds joined MIT in 1961. • PETER E. HELGESEN (A) is working on new construction materials with Armco Metal Products Division in Middletown, Ohio. Mrs. Helgesen is the former MARY LOU CARNAHAN (A'58). • THOMAS DEIGAN (A) and DJON GRAEB (A) had their art work represented in the 1966 Three Rivers Arts Festival in Pittsburgh. • Mrs. Donnaly Rhodes (MARTHA BUHS, A) is presently with the Festival Theatre in Stratford, Ontario. • LAWRENCE A. CINDRICH (A), formerly on the faculty of Kendall School of Design, Grand Rapids, Michigan, has been appointed assistant professor of design in the University of Cincinnati's College of Design, Architecture, and Art. • VICTOR L. POLANSKY (E) received his M.S. degree in management engineering from Newark College of Engineering in June. • Mrs. M. CHRISTINE GENGENBACH KEPPEL (M), a home economics teacher in the Abington (Pa.) School District, died on April 24, 1966.

'60 ROY J. KNOTH (E) is development and research engineer with International Nickel Company, New York City. • GEORGE L. PETTIT (A) is now a designer at the Goodman Theatre, Art Institute of Chicago. • CHARLES NELSON (PM) has been promoted to executive vice president of Shea/Rustin, Inc., Atlanta, Georgia. Mr. Nelson recently received his masters degree in business administration from Georgia State College, Atlanta. • ALVIN S. CLORFEINE (E) is an engineer with RCA Labs, Princeton, New Jersey. • JOHN V. TOMICH (A) is a senior designer for the architectural firm of Cambell, Green, Cunzolo in Sewickley, Pa. • Dr. ROBERT E. PROBST (E) received a Ford Foundation fellowship for 15 months of study in post-doctoral mathematics. • DAVID L. GRISCOM (E) received his Ph.D. degree in physics from Brown University in June. His thesis was on "Paramagnetic peroxyborates: a magnetic resonance study." • ROBERT M. WESSELY (E) is presently a research physicist for the Radiation Service Company at Holloman Air Force Base, New Mexico. • PAUL N. GRIECO (PM) is serving as an alumni advisor for the Carnegie Admissions Council in the Princeton, New Jersey, area. • D. KIM KING (PM) has been appointed central region design and production manager for Sweet's Catalog Services, a prefiled construction catalog service for architects, designers, and specifiers, published by F. W. Dodge Company. Mr. King's headquarters are now in Cleveland. • ROBERT W. WOLFF (A), formerly technical director-designer and assistant professor of theatre at the University of South Florida in Tampa, has joined the Theatre Consulting Services of Bolt Beranek and Newman Inc. in New York City. For the past two years Mr. Wolff was executive secretary-treasurer of the Southeastern Theatre Conference Inc. This spring he addressed the Southeastern and South Central Regional Convention. He also conducted a panel on new products at the United States Institute for Theatre Technology Conference in Toronto. • THOMAS DENNIS (A) appeared in "Honey in the Rock" at the Cliffside Amphitheater at Grandview State Park, Beckley, West Virginia, this summer. • Dr. THOMAS O. TIERNAN (E) completed work toward his doctorate at Carnegie Tech and has resumed his position as a research chemist at the *Aerospace Research Labs, U. S. Air Force, Wright-Patterson Air Force Base.* Mrs. Tiernan is the former MARLENE GERSTNER, (M). • THOMAS W. AUSLANDER (E) is presently a development engineer with Bell Aerosystems, Niagara Falls, N. Y. • ERNEST W. HUGHES (E) is now a design engineer with the communications and avionics department of the Magnavox Company, Ft. Wayne, Indiana. The Hughes and their son, Jeffrey, live at 3533 Inwood Drive in Ft. Wayne. • Dr. NICHOLAS F. FIORE (E) is an assistant professor of metallurgy at the University of Notre Dame. • ROBERT L. REBER (A) has been promoted to supervising engineer of planar power products, Fairchild Semiconductor in Mountain View, California. • JAN M. CHAIKEN (E) has been appointed assistant professor in the mathematics department of Cornell University. • After receiving his Ph.D. degree from Carnegie Tech, CHESTER P. SMOLENSKI (E) has accepted the position as research engineer with Pittsburgh-Corning Research and Development, Pittsburgh. The Smolenskis have a 16-month-old son, Mark Christopher.

Nelson '60

• GEORGE H. HAINES, JR. (IA) has been appointed an assistant professor in the College of Business Administration at the University of Rochester. • K. J. BUTLER (A) received a Westinghouse Electric Corporation Award at the 1966 Three Rivers Arts Festival in Pittsburgh. He also was a demonstrator of woodcuts during the festival. • Mrs. William A. Sprague (LORRAINE K. WIEGMAN, A) demonstrated batik printing at the 1966 Three Rivers Arts Festival. • LAWRENCE TAYLOR (A) had his art work represented at the 1966 Three Rivers Arts Festival. • RONALD F. KOLC (E) received his M.S. degree in electrical engineering from Drexel Institute of Technology in June. • ROBERT M. WESSELY (E) received his Ph.D. from Rutgers University in June. • CLARK WALLACE (A) has been named a partner in the architectural firm of Foreman, Dorsch and Bashford, in Zelienople, Pa. • Dr. LOUIS F. ROMAIN (E) has been appointed a resident in neurology for Indiana University Medical Center, Indianapolis. • HERMAN N. SEBERG (E) received his M.S. degree in electrical engineering from Polytechnic Institute of Brooklyn in June.

'61 WILLIAM A. SOFFA (E) is doing graduate work at Ohio State University. • RICHARD A. UHER (E) received his Ph.D. degree from Carnegie Tech in June and is now with the U. S. Army assigned to Oakridge National Laboratory, Oakridge, Tennessee. • DAVID B. HARVEY (PM) has been promoted from the Willard Division Plant of R. R. Donnelley & Sons Co. to the Chicago Corporation office in sales. • U. S. Air Force First Lieutenant RAYMOND E. CZAHOR (IM) is attending the Air University's Squadron Officer School at Maxwell Air Force Base, Alabama. • JOHN W. OEHLER (E) received his M.B.A. degree from State University of New York, Buffalo, in June. • The Lawrence Collins (JUDITH SIMBOLI, M) and their daughter, Jennifer, are now in Ft. Hauchuca, Arizona, where Captain Collins is serving in the U. S. Army. Mrs. Collins has started a small business designing puppets for children, made under the name Collins Originals. The puppets have been sold in stores such as Saks Fifth Avenue, Magnin, Macy's, and Neiman Marcus. • JAMES S. IRVINE (L) is presently assistant to the librarian at the Speer Library at Princeton Theological Seminary. • T. H. NEWHAMS (E) is a project engineer in the arc furnace department, Lectromelt Furnace Division of McGraw-Edison Company, Pittsburgh. The Newhams have a son, Jeffrey Dale. • Dr. JOHN R. DIXON (E) has been named professor and head of the department of mechanical engineering at the University of Massachusetts. • CHARLES R. TYKE (A) is employed by the Fesco Inc., Division of Celanese, McKees Rocks, Pa., in industrial design. • S. A. HERSHFIELD (E) has joined the Pigments & Elastomers Division of the Columbian Carbon Company as a junior technical engineer. He will be located at the company's New York City offices. • FRANCIS C. MORIGI (A), associate designer with Norman De Haan Associates, Chicago, writes that their firm received the A.I.A. (Chicago) Award of Excellence for their Allied Products Corporation executive offices. •

Heinsberg '61

Schmitz '61

JAMES E. MATHESON (E) is a research engineer at the Stanford Research Institute Hanover Facilities in Menlo Park, California. • WILLIAM W. SPROUL, III (E) is presently working for IBM in Bethesda, Maryland, as a logician. • WALTER H. RETTIG (E) is now in Idaho Falls, Idaho, and is a senior physicist for Phillips Petroleum Company. • First Lt. LAWRENCE S. SCHMITZ (E) completed the 8-week signal officer basic course at the Army Southeastern Signal School, Fort Gordon. • Lt. j.g. DAVID M. MC CRAY (E) is stationed with the Naval support activity in Da Nang, Viet Nam in the Public Works Department. • DAVID SMUCKER (A) is teaching voice at Stratford, Ontario, Festival. • DAVID E. MEARS (E) completed the requirements for his Ph.D. degree in chemical engineering at the University of California, Berkeley, in June 1965 and spent the summer in Europe. He is now engaged in catalyst research at Union Research Center in Brea, California. • DAVID L. PARNAS (E) has been appointed an assistant professor of computer sciences and electrical engineering in the College of Engineering and Science, Carnegie Tech. • JUDITH A. HEINSBERG (M) has been appointed field home economist in the New York region for General Electric's Houseware Division with headquarters in New York City. Her duties will include contacts with utilities and educational organizations, conducting sales training programs and assisting district sales representatives. Prior to joining General Electric, Miss Heinsberg was employed as educational director for the Pellon Corporation in New York. • RICHARD A. HEBERLE (E) is a chemical engineer at the Betz Laboratories in Philadelphia. • Mrs. MARLENE BARRETT ROSSING (M) is presently a research librarian for U. S. Steel Applied Research Lab, Monroeville, Pa. • DONALD R. MINGES (E) received his M.S. degree in civil engineering from the University of Colorado in June. • JOHN W. HARRISON (E) has been appointed head of a new Chemicals Characterization Section in the Analytical Research Division of Esso Research and Engineering Company, Linden, New Jersey. Dr. Harrison joined Esso Research in 1962. • ROBERT BIRCHAK (E) has moved to Warren, Michigan, after receiving his Ph.D. degree in physics from Rice University in Houston, Texas. His thesis was titled "Irreversible Magnetization in Superconductors." Dr. Birchak is presently working as an associate senior research physicist at the General Motors Research Laboratories. This past summer the Birchaks toured some of the Western national parks. • JOHN J. DAMICO (A) received his Master of Architecture degree from Yale University in June. • Mrs. Suhail al Chalabi (MARGERY L. PUPACH, A'61) has joined the Department of Housing and Urban Development in Chicago as an architect-urban planner. Mrs. al Chalabi has her M.S. degree in city planning from Atheus Technological Institute. • The Alumni Office has learned of the death of ROBERT A. DUPCHAK (E) in March 1966. Mr. Dupchak was doing graduate work in mathematics at Carnegie Tech.

'62 ROBERT L. KRAMER (IA) has been promoted to assistant vice president of Bankers Trust Company, New York. Mr. Kramer is in the methods research department. He is currently a doctoral candidate at New York University. He is an adjunct assistant professor at Pace College, New York City, and a lecturer at Brooklyn Polytechnic Institute. He is also a director of the National Cybernetics Corporation. • THOMAS J. WHALEN (IM) received his master of science degree from The Johns Hopkins University in June. He is presently a management consultant with Market Science Association, Pittsburgh. • HOWARD A. KUHN (E), received his Ph.D. degree in mechanical engineering from Carnegie Tech. He has joined the faculty at Drexel Institute of Technology. • STEPHEN ROTHENBERG (E) has received his Ph.D. degree from the University of Washington in Seattle and Mrs. Rothenberg (BARBARA BROSS, M) has received her Ph.D. degree from Cornell University. The Rothenbergs are now living in Princeton, New Jersey, where Mr. Rothenberg has a post-doctoral research appointment in the chemistry department, Princeton University. Mrs. Rothenberg is an associate research psychologist in the Child Development Division of the Educational Testing Service. • JAI PEARCE (E), a project engineer with Koppers Company Inc., Pittsburgh, rejoined the Koppers Company in 1964 as a member of British American Steelworks for India Consortium after working in India for several years for consulting engineers. • Mrs. Michael Economos (NANCY HAGIN, A) has received a Fulbright Grant in painting for study in Rome, Italy for 1966-67. She and her husband have been teaching at the Maryland Institute of Art in Baltimore. • JEFFREY H. ROBBINS (E) received his M.S. degree in physics from the University of New Mexico in June. • GEORGE C. RICHARDS (E) is participating in a training program in Poughkeepsie, New York, for the Data Processing Division of IBM. • Dr. LESLIE J. COHEN (E) received a Fulbright Hays Post Doctoral fellowship to Israel for study at The Technian for 1966-67. Mrs. Cohen is the former CAROLE HABER, (M'64). • Mrs. John L. Ryan (SUSAN HART, M) has accepted a position as chemist with the United Nuclear Corporation in New Haven, Connecticut. • PHILIP T. LANE (E) received his M.S. degree from the University of Southern California and is presently an engineer in the guidance and control department of Aeronutronic a Division of Philco, Newport Beach, California. The Lanes have a daughter, Sharon Ann. • ROBERT M. SPRENKLE (E) is an associate programmer for IBM in Yorktown Heights, New York. The Sprenkles and their daughter, Susan McKee, are living in Lake Carmel, New York. • MICHAEL L. AMES (PM) is presently a sales representative for Scott Paper in Chicago. Mrs. Ames is the former CAROLE SEIFERT, (M'58). • MOTI THADANI (E) is chief electrical development engineer in the Industrial Controls Division of General Precision Inc., Morton Grove, Illinois. • Dr. RAJAGOPAL MUTHUKRISHNAN (E) is presently a research associate in the department of physics at the University of Michigan. Mrs. Muthukrishnan is the former BARBARA STAATS, (A). • After completing a year of training in medical technology at Ohio State University and passing the board examination of the registry of the American Society of Clinical Pathologists, BEVERLY J. BABCOCK (M) has been employed for the past three years as the microbiologist for the gnotobiotic laboratory of the department of veterinary pathology at Ohio State University, Columbus, Ohio. • DAVID N. KAYE (E) received his M.S. degree in electrical engineering from Polytechnic Institute of Brooklyn. • JOSEPH K. LEES (E) has joined the Research and Development Division of Du Pont's plastics department at the Experimental Station near Wilmington.

Kramer '62

Marriages

Eleanor F. Hewitt (A'51) and James L. Rushworth
Elizabeth Ashley and George Peppard (A'54)
Carol Ann Eubanks and Bartley P. Osborne, Jr. (E'56)
AT HOME: Apt. 301, Addison Street, Sherman Oaks, California
Susan Joan Crummey and Richard Dale Hamilton (E'59)
AT HOME: 206 Commonwealth Avenue, Boston, Massachusetts
Gretchen McCargo and Arthur D. Lassila (IA'60)
AT HOME: Dunlap, Illinois
Phylles Lorraine Goldenberg (M'61) and Mark Schapiro
Lilyan Lorraine Lang and Reino John Niemela, Jr. (E'63)
Elaine Nedlik (A'64) and Mark Shapiro
Carolyn Farb (M'65) and Henry Farkas
AT HOME: 522 A Bond Street, Baltimore, Maryland
Gail Whiteman (M'66) and Henry Z. Shelton, Jr. (IM'65)
AT HOME: 5316 South Dorchester Avenue, Chicago, Illinois
Suzanne Shapiro (A'66) and Peter S. Jacobson (A'66)
Jane G. Simpson (M'66) and John H. McAfee
Loretta E. Mercuri (E'66) and Dennis E. O'Brien

'63 Dr. ALEXANDER SIMKOVICH (E), manager of process research for Latrobe Steel Company, will receive the award for the best paper presented in the electric furnace section of the 1965 operating metallurgy conference of the American Institute of Mining, Metallurgical, and Petroleum Engineers. The award is given by the Electric Furnace Committee of the Metallurgical Society of the AIME and the award will be presented at the next operating metallurgy conference at Philadelphia in December. Dr. Simkovich's paper was published in the April issue of *Journal of Metals* and is titled "Variables Affecting Nitrogen Removal in the Vacuum-Induction Melting of Iron- and Nickel-Base Alloys." • RICHARD J. BONCUK (E) is presently an engineer with TRW, Inc., Lawndale, California. • JOHN R. SMITH (E) has a new position as computer programmer at the Westinghouse Tele-computer Center in Pittsburgh. • PER MOESTUE (PM) has accepted a new position as quality control process engineer with Eureka Specialty Printing Company in Scranton, Pa. • GARY H. JAFFAE (A) is presently in training to be a medic in the U. S. Army. • WARREN L. HARKNESS (E), of Trumbull, Connecticut, has finished two years of graduate study toward his masters degree at New York University. He is presently employed by United Aircraft in Stratford • RAYMOND R. SMITH (E) was promoted to area and technical supervisor for Diamond Alkali Company in Sheffield, Alabama. • RONALD B. LARGE (E) is presently in Columbus, Ohio, where he is a research engineer at the Battelle Memorial Institute. • PAUL E. PARKINSON (A), architectural draftsman with Curry & Martin Architects, Pittsburgh, was guest speaker at a meeting of the Monroeville Area Branch of the American Association of University Women last spring. Mr. Parkinson showed slides of Tanzania and discussed his experiences in being a member of the Voluntary International Service Assignment, a Quaker service organization. He was involved in community development for two years. • RODNEY P. BECKER (E) is a technical service engineer with Diamond Alkali Company, Painesville, Ohio. • RONALD B. CARLSON (IM) is now a communications analyst at Western Union's computer laboratories in the Newark, New Jersey, area. • Dr. WILLIAM YENISCAVICH (E) is in Kokomo, Indiana, where he is a supervisor of a welding research group. • CHARLES H. STEINMEYER (E) received a Pre-Doctoral Research Fellowship from the U. S. Public Health Service. Mr. Steinmeyer is a graduate student in psychology at Indiana University, Bloomington, Indiana. He is specializing in clinical psychology research. • A. WAYNE TAMARELLI (E) received his Ph.D. degree in chemical engineering from Carnegie Tech and now is a research engineer with Esso Research and Engineering Company, Linden, New Jersey. • Air Force Lieutenant TERENCE J. COX (A), planning and construction engineer, Civil Engineering Center, Wright-Patterson Air Force Base, Ohio, was on a 12-day 13,000 mile inspection tour of Air Force facilities in the Arctic Region this summer. He was joined by five prominent educators and 10 Air Force Civil Engineer Officers from throughout the country. • MARILYN W. ADAMS (M) has a new position as research assistant in the Computer Assisted Instruction Laboratory at Pennsylvania State University. • FRED C. MAYHEW (A) has been promoted to senior stylist in the International Studio of Ford Motor Company, Birmingham, Michigan. Mr. Mayhew is in charge of English and Canadian Fords, show and race cars, and Ford tractors. Mrs. Mayhew (PATRICIA WAXMAN, A) has been teaching third grade in South Redford, Michigan. • DAVID L. MURDOCK (E) has accepted a position with Goodrich Tire & Rubber Company, Akron, Ohio, as a chemical engineer. Mrs. Murdock (R. DAWN HAYER, M) will teach in the Akron Schools. • JAMES W. BUDDLE (IA) has been appointed assistant controller with Corning Glass International, Corning, New York. He was formerly an associate of McKinsey & Co., an international management consulting firm. • MARY KALBERER (A) had her art work represented in the 1966 Three Rivers Arts Festival in Pittsburgh. • HOWELL C. JAYNES (E) received his M.S. degree from Ohio State University, Columbus, in June. • RICHARD M. GOLDMAN (E) graduated from the University of Pennsylvania Law School and has accepted a position with the Patent Division of the Procter & Gamble Company at the Ivorydale Technical Center in Cincinnati. After this month, however, Mr. Goldman will be on military leave of absence and will be going to Coast Guard Officer Candidate School and will serve several years in the Coast Guard. • SAMUEL J. PASSAFIUME (E) is now employed by Blaw-Knox in Pittsburgh after two years active duty in the U. S. Army. The Passafiumes have a son, Michael James.

'64 PATRICIA A. MILLS (A) demonstrated ceramics at the 1966 Three Rivers Arts Festival in Pittsburgh. Miss Mills is working toward a master's degree in architecture in urban design at Carnegie Tech. • NORMAN T. ROSENTHAL (E) is an associate engineer with Boeing at Kennedy Space Center, Florida. Mr. Rosenthal is presently engaged in the Apollo Moon Program. • NATHAN S. LEBLANG (A) has a new position as a designer with Sabatino & Fishman, architectural firm in Philadelphia. • WILLIAM C. HOFER (A) has been promoted to specialist four at the U. S. Army Exhibit Unit, Cameron Station, Alexandria, Virginia. Specialist four is an enlisted rank equivalent to the rank of corporal. Specialist Hofer is a graphic designer with the unit. • Dr. and Mrs. DONALD R. MCKELVEY (E, and KATHERINE F. KIPP, E) have been appointed as members of the faculty at Cornell College. Dr. McKelvey is an assistant professor of chemistry and Mrs. McKelvey is an assistant professor of mathematics. • WILLIAM L. RUSSELL (IA) has a new position as marketing and sales manager with Air Products & Chemicals, Inc., Allentown, Pa. • JACOB G. MUSKAT (IA) is presently a price analyst for Ford Motor Company, Dearborn, Michigan. • RENATO ITURRIAGA (A) was a guest speaker at the 1966 Spring Joint Computer Conference held in Boston in April. • GEORGE LAZZARIS (E) has returned from military service and is employed as a metallurgist in the technical development department of Blaw-Knox Company, Pittsburgh. • THOMAS H. MURPHY (A) is presently a designer for Welton Becket & Assoc. in San Francisco, California. • 2nd Lieutenant SAMUEL D. DEEP (IM) is assistant to the director of administration in the Plans and Training Office, Tobyhanna Army Depot, Pa. • F. CLAYTON POND (A) had an exhibition of his paintings and prints at Adelphi Academy, Brooklyn, this past spring. • SURENDRA K. AHUJA (A) has returned to Pittsburgh to continue work with the Redevelopment Authority of Allegheny County. • Mr. and Mrs. WILLIAM B. FAIRCLOTH, Jr. (E, and LYNELLE TORNO M'65) have moved to Boston where Mr. Faircloth is a pilot with Eastern Air Lines. Mrs. Faircloth is an executive secretary for Jordan Marsh Company in Boston. • Mrs. Helmut F. Hacker (VIRGINIA ZASTEMPA, M) has retired from the Army Medical Specialist Corps as a dietitian at Walter Reed General Hospital, Washington, D. C. due to the birth of a son. Her husband is the Adjutant at Armed Forces Institute of Pathology in Washington, D. C. • JAY F. NUNAMAKER, Jr. (IM) is working toward his Ph.D. degree at Case Institute of Technology. • Lt. and Mrs. David C. Applebaum (AILEEN LOUIK, M) and their two sons, Brent and Todd are now living at Norton Air Force Base where Lt. Applebaum is a nuclear physicist with the Ballistic Systems Division. • SANDRA BYRNE (M) has moved to Los Angeles and is working for the research and development firm of Planning Research Corporation as a personnel interviewer. • PAUL HELGESEN (A) is in basic training with the Navy Air Force. • Mrs. Andrew Reis (LESLEE FOSTER, M) is the 1966 recipient of the J. Leslie Rollins Award at the Harvard Graduate School of Business Administration. The Award is given annually to the wife of a second-year candidate for the degree of Master in Business Administration at the Harvard Business School who has made the greatest contribution to the activities of the School's Wives' Club during her two years there. • JOHN J. GROSKO (E) received his M.S. degree from Rutgers University in June. • ROBERT L. MERTENS (E) received his M.S. degree from Ohio State University, Columbus, in June. • STEPHEN B. NEWMAN (A) received his Master in Business Administration degree with Distinction from the Harvard University Graduate School of Business Administration in June. • Receiving her M.S. degree from Rutgers University this past June is CYNTHIA PON (M). NIKOLAS SKARLIS (A), an instructor in sculpturing at the University of Illinois, died on May 26, 1966.

Hofer '64

'65 RICHARD E. JOHNSON (E) has accepted a new position with General Electric Company's Flight Propulsion Division, Evendale, Ohio. He will institute and manage the Mechanics of Material Section. • MIHAI MARCU (A) has been promoted to partner of the Pittsburgh architectural firm, Ingham, Kaffka, Marcu. • RICHARD L. BEATTIE (IM) has been named director of corporate systems and data processing of the controller's department of Rockwell Manufacturing Company, Pittsburgh. • Mrs. Ken F. Cross (NANCY L. FISHER, E) is presently a programmer at the Oak Ridge (Tennessee) Gaseous Diffusion Plant. • SUE VAN GORDER (M) is a secretary with Jones & Laughlin Steel Corporation, Pittsburgh. She works for the assistant to vice president—engineering and planning. • SHARON L. SHUTTLEWORTH (M) accepted the position as systems analyst trainee with the I.B.M. Data Processing Division in Pittsburgh. • MYRA J. LEBOW (A) is doing graduate work at Yale University. • 2nd Lt. MARK F. MORAN (E) is presently a platoon leader in the 173rd Engineer Company of the 173rd Airborne Brigade stationed at Bien Hoa, Republic of Viet Nam. • WILLIAM E. WEIGAND (E) is an electrical engineer with Dravo Corporation, Pittsburgh. • Mrs. John Dishman (SUSAN G. SANDERS, M) is teaching at Arsenal High School in Pittsburgh. • Dr. and Mrs. Bruce Safman (PHYLLIS R. COHEN, A) are living in Indianapolis, Indiana, where Dr. Safman is interning at Indiana University Hospital. Mrs. Safman is teaching and doing graduate work. • JAMES W. ZELLHART (E) is a project engineer with Gulf Research and Development Company in Pittsburgh. • PAUL L. SIMSIC (E) is doing graduate work at the University of Toledo. • JOHN H. DEXTER (A) is a junior classman at the General Theological Seminary in New York City. • MELVIN H. BARR, Jr. (E) is a planner [illegible] Daily Company in Omaha, Nebraska. • THOMAS L. BUXTON (IA) is serving as a Peace Corps Volunteer. • GEORGE W. NAGEL (E) is a customer engineer with I.B.M. in Pittsburgh. • JANE M. ALTMAN (M) is doing graduate work at Yeshiva University. She is a research assistant in work concerning the socially disadvantaged. • JUDY J. POGUE (M) is an executive secretary with Ketchum, MacLeod & Grove in Pittsburgh. • JOHN A. MARTUCCI (IM) is working as an engineer for Combustion Engineering Inc., Windsor, Connecticut, in the Kreisinger Development Lab. • JACK WEBER (E) is in Canoga Park, California, where he is a technical representative, Combustion Engineering, Atomics International. • VICTOR J. MEYRICH (A) is teaching at Brandeis University. • MICHAEL A. FUTTERMAN (A) has returned from Europe and is an architect with Keyes, Lethbridge & Condon in Washington, D. C. • JUDITH B. SIEGEL (A) is a graphic designer for Werbin Associates in New York City. • RUTH A. SMELSCER (M) is teaching English at North Bend Junior High School in North Bend, Oregon. • A sculpture by JAMES LESKO (A), of Pittsburgh, was selected as best in its field for the 1966 Three Rivers Arts Festival Purchase Awards. • JOSEPH LUDWIG (IA) is presently a sales planning analyst in the planning and distribution department of Lincoln-Mercury Division's Cincinnati District Sales Office. • TERRY GALLICK (A) demonstrated batik printing at the 1966 Three Rivers Arts Festival in Pittsburgh. • MARVIN B. JACOBSON (A) of Trenton, New Jersey, is serving as an alumni advisor for the Carnegie Admissions Council. • SUSAN K. SEIBERT (M) received her Master of Education degree in general family studies from The Pennsylvania State University this June. • JOHN R. WEBB (E) has been named engineering supervisor of the technical services department at Enjay Chemical Company's Baytown Chemical Plant. Prior to his new assignment, Mr. Webb was an engineer in the Baytown Chemical Plant's economics and planning department. The Webbs have a son, David. • RICHARD SCHRAMM (IA), a graduate student in industrial administration at Carnegie Tech, has been awarded a Fulbright grant to study economics at the University of Paris. This past year, Mr. Schramm received the Graduate School of Industrial Administration's Alexander Henderson Award for excellence in economic theory. • ANNETTE H. GOTTSCHALK (A), a Peace Corps Volunteer, is working as a town planner for the Ministry of Local Government, Buea, West Cameroon, West Africa, through December 1967. • HENRY Z. SHELTON, Jr. (IM) is working toward his M.B.A. at the University of Chicago. This past summer he was employed as a systems analyst for Illinois Bell Telephone.

The Secretary's Letter

Bob McCready

Congratulations for a job well done. The 1965-66 Alumni Fund Campaign concluded on June 31st with a total of $335,324.65 having been raised to exceed the goal of $335,000 that was established by the Executive Committee of the Alumni Federation. This is indeed an accomplishment for which every contributing alumnus can be proud, because it is the first time in the history of the Alumni Fund, as we know it today, that we have exceeded our stated goal.

This great accomplishment was made possible because 1,023 alumni acted as volunteers in carrying out the personal solicitation phase of the drive which was conducted in 28 Clan areas. It should, however, be recognized that there were 27,134 alumni with up-to-date addresses and that 7,423 of these alumni were contributors to last year's campaign which gives us a 27.3 per cent participation in the Alumni Fund. We can take some pride in the percentage of participation too, because the national average is 20.5 per cent, and we can also be proud of the fact that during this past year Carnegie Tech had the largest number of contributors ever.

The above figures caused me to ask how Carnegie Tech stands in relationship to other technical schools and I am pleased to report that of all the major technical schools in the country, and there are 22 of these schools, Carnegie Tech stands third in the total amount of money raised from alumni. This, to me, is something of which we can be proud, but not complacent. M.I.T. raises almost three times as much money from its alumni as does Carnegie Tech. But then, it should be recognized that they have an alumni body of twice the size of Carnegie Tech. The other school that raises more money from its alumni than does Carnegie Tech is Illinois Tech—it has a total of 21,900 alumni and raises approximately $400,000. Illinois Tech, then, is currently doing a better job than Carnegie Tech in light of fewer alumni and more dollars raised. Within the next year I am hopeful that Carnegie Tech will be able to replace Illinois Tech on the number two rung of the ladder. We can do this by raising the size of the average gift from our alumni as well as making some in-roads into the 13,500 alumni who have never contributed to Carnegie Tech.

Many of you have heard our retired President, Jake Warner, in talking with Clans throughout the country state that "In many fields we are excellent but in no field are we less than good." Obviously, Jake Warner's statement holds true for our Alumni Fund. Our giving is certainly not excellent but it is certainly not "less than good." As a group, our loyal alumni are again to be congratulated on exceeding the goal and helping to make it possible for Carnegie Tech to meet its ever growing financial commitments. We are proud of the fact that through the help of the alumni, Carnegie Tech is able to continue to operate on the black side of the ledger. May we continue to reach upward to place ourselves in the number one spot of technical schools whose alumni feel that the school has contributed much toward their success in life, and want to, in some small way, repay this contribution or make it possible for some current student to enjoy the same successes that we have now achieved. Someone contributed while we were in school to help us on our way. Now, as alumni, it's our turn to give someone else a boost. May we next year again look back upon a job that we can classify as "no less than good" and "reaching toward excellence."

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