

Carnegie ALUMNUS



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CONTENTS

Letters	1
FUNDamentals	1
Careers in Engineering & Science	2
Alumni Activities	4
Campus and Department News	7
Alumni Fund Report	9
Clan Directory	18
Clan and Class News	18
Alumni Deaths	31

THE COVER

Unless you have viewed Engineering and Science Hall from other angles or have been lost trying to find your way around inside, L. H. Miller's picture of the facade, used on our cover, will give you no conception of the size of the building. There are 158,761 square feet of floor space—more than $3\frac{1}{2}$ acres.

If you are curious about the carved stone panels, the one on the left is of Benjamin Franklin and the one to the right is of Josiah Willard Gibbs, the famous American physicist.

LETTERS

3720 81ST ST., APT. 2-B
JACKSON HEIGHTS, N. Y.

DEAR MR. ELLIOTT:

Thank you for your recent note and acknowledgement of my check for the Alumni Fund. What with wedding arrangements, I have been sort of out-of-touch with the New York alumni for the past 8 months and have also missed receiving my *Carnegie Alumnus*.

I've given up my job as stewardess to become an American Airlines Captains's wife—as of last April 26th. As a matter of fact—don't mind havin' m'wings clipped and I'm enjoying my secretarial job at the Bulova Watch Co. What's amazing though—my husband leaves for work (LaGuardia Field) the same time as I do, makes a round trip to Chicago, and still beats me home.

Haven't seen many CIT people here in

FUNDamentals

By Chairman Thomas D. Jolly, E'13
Alumni Fund Campaign Chairman



MR. JOLLY

The 1951-52 Alumni Fund reached and passed the goal the Committee had hopefully set. (See complete report starting on page 9) That, of course, is cause for satisfaction, both by the Committee and the School. The way the goal was reached, however, leaves much to be desired.

When the Committee estimated the annual giving of our alumni could be increased to \$65,000 for the year 1951-52, they also figured the approximately 25% increase would come from 25% more alumni contributors. This was not the case, however, and the failure far over-shadows the satisfaction of making the monetary goal. Its implications are alarming.

Last year, 13.41% of our alumni solicited made gifts to the Fund. If this figure had increased 25%, as the Committee estimated, 2,589 alumni would have participated this year. However, since 764 alumni were added by the class of 1951, only 12.5% of those solicited, just eight more than last year, evidenced their interest for the School's financial situation by making a contribution between July 1, 1951 and June 30, 1952. This is serious. I can not believe that out of 15,411 alumni of record only 1,925 are interested in helping young men and women to get a Carnegie education also.

I believe Carnegie alumni are as loyal and interested in their school and its problems as are the alumni of other schools. A look at a tabulation of alumni funds of other schools, however, makes one wonder. Here are a few percentages of alumni giving at schools we all know: Lehigh, 15%; Illinois Tech, 21%; Virginia Tech, 24%; Case Tech 27%; M. I. T., 28%; Worcester Tech, 47%; to say nothing of 66% at Dartmouth. If Carnegie alumni had responded in the same percentage as Case and with an average gift of only \$25.00 (our average gift this year was \$33.40), the Carnegie Alumni Fund would have been over \$100,000.

These facts present a real challenge. Carnegie alumni must be stirred to action. Carnegie's problems are not theoretical, they are real.

If Case alumni can do it, Carnegie alumni can do it—and the current year is not too soon to accept the challenge!

New York lately—with the exception of my brother and sister-in-law from Milwaukee—Shirley Karper Ramsey (M'41) and Paul W. Ramsey (E'40) who stopped off for a brief visit with us on their way to Boston. Paul is now with A. O. Smith Co. and is attending a two week course at M.I.T.

I would appreciate your putting my new address on the Carnegie *Alumnus* mailing list. Am looking forward to seeing you at one of our New York meetings.

Sincerely,

JANE RAMSEY KLASMEIER, M'47
(MRS. LEONARD F.)

STUDENT APPLICATIONS

Dr. J. M. Daniels, chairman of Admissions at Carnegie, was gratified with the response of our alumni to the prospective student card enclosed with the December 1951 issue of the *Carnegie Alumnus*. Another of these cards is enclosed with this issue.

Influencing young men and women to attend Carnegie is an excellent way to express appreciation of your education and one of the finest services you can render.

Give it a little thought and send in the names of high school seniors you would like to see at Carnegie.

CARNEGIE ALUMNUS

JOHN L. ELLIOTT, E'10, Editor

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CAREERS IN ENGINEERING AND SCIENCE

Good advice for high school students interested in technical subjects and contemplating going to college as preparation for their careers.

DR. WEBSTER N. JONES, *Dean*
College of Engineering and Science

At the outset a few remarks are directed to those who may be uncertain as to whether they should enter one of the basic scientific fields such as chemistry, physics, or mathematics, or one of the fields of engineering such as chemical, civil, electrical, mechanical, or metallurgical engineering. Speaking very generally and broadly, it may be said that the work of a scientist is that of increasing the world's fund of knowledge. This is a little too simple, for often a scientist is employed on fundamental things that are needed for practical industrial advancement, and thus comes close to engineering. The scientist is a man who works largely in the laboratory rather than in the plant. In engineering, on the other hand, the problem is almost always to accomplish something of practical usefulness—the engineer may build a bridge, construct a rolling mill, devise a process for making plastics, design a new electric control system, operate a factory. But he cannot in this day divorce himself from basic science, for it is one of the characteristics of the present day that engineers and scientists work together very closely.



DR. JONES

THE DIFFERENT FIELDS

Let us consider the several branches of engineering on the one hand, and of science on the other, from three different points of view—*first* as to the subject matter of each of these branches, *second* as to how industry employs engineers and scientists, and *third* as to what the individual does.

The earliest works of engineering were largely of a military nature, having to do with machines and structures—bridges, roads and harbors—needed for warfare. Toward the close of the 18th century, the construction of these and other works for civilian uses became known as “civil” engineering to distinguish them as non-

military. Today, the practice of engineering is so large in scope and so diversified in activities that it is classified in five general fields of engineering: civil, mining and metallurgical, mechanical, electrical, and chemical. The large number of specialized subdivisions that are recognized in engineering practice and reflected in the many courses and subjects catalogued by engineering schools may be grouped under these five general classifications.

CIVIL ENGINEERS design and supervise the construction of such facilities as bridges, buildings, tunnels, roads, railroads, dams, canals, water-supply and sewerage systems; they measure water and plan its conservation, utilization, and control; they take part in the construction and transportation industries. Most of the structures that serve mankind—even airplane structures—are the proper concern of the civil engineer.

METALLURGICAL ENGINEERS design and control the processes by which metals are made from ores; they develop and apply methods by which metals and alloys can be formed in useful shapes as in rolling, casting, etc; they devise methods for the treatment of metals and alloys to enhance the properties as in heat treatment of high-strength alloys; they analyze the behavior of metallic materials in service and prescribe remedies for improvement. Much of their work consists in development and research on new and better metals for applications throughout all of engineering science.

MECHANICAL ENGINEERS deal with machinery, the power to operate it, and the production and transfer of heat. They design and build boilers, steam engines and turbines for developing power from fuels; they design the turbines for water power plants and the internal combustion engines used in stationary power plants, automobiles, aircraft, ships, and locomotives. Gas turbines and jet engines for airplanes also are among their responsibilities. They design, produce and manage the operation of many other kinds of machinery and their products, including the tools with which machines are manufactured.

ELECTRICAL ENGINEERS plan and design the systems and apparatus by which electrical power is produced, distributed, controlled, and used for light, heat, power, and communication, in homes, business, industry, and transportation. Communication in its modern forms of

From a speech delivered to entering freshmen during 1951 Orientation Week.

telephone, telegraph, radio, and television, as well as automatic control systems and electronic computing machines, are in the province of electrical engineering.

CHEMICAL ENGINEERS develop and operate manufacturing processes in which materials undergo chemical change or certain kinds of physical change to make them most useful, as for example, in the production of gasoline and many other useful things from petroleum and natural gas. They carry on experiments aimed at turning the discoveries of chemists to commercial use, and design equipment for these purposes.

In addition to these five branches of engineering, Carnegie has curricula in three branches of science—chemistry, physics, and mathematics.

CHEMISTS are employed in the chemical, petroleum, rubber, coal, biochemical, medicinal, and related industries. The lines of work include frontier, background, development, and application research; analysis and testing of products; control and operation of processes; public relations, writing and technical literature; promotion, marketing, and sales; and management and administration.

PHYSICISTS work chiefly in the fields of electromagnetism, optics, heat, and the physics of the nucleus, atoms, molecules, and the solid state. They analyze materials with the tools of those fields such as spectrographs and x-rays. They help solve engineering problems where engineering techniques have not yet been worked out such as in textiles, glass, and nuclear engineering. They discover the properties of atoms and molecules and classify them in the light of the known basic laws. In nuclear physics not only the properties but the basic laws are being discovered by experiments with such instruments as cyclotrons.

MATHEMATICIANS are engaged in statistical quality control, research in the biological sciences, in the collection and analysis of government statistics, market research and commercial sample surveys, and psychological testing. They are employed as actuaries who calculate premiums and benefits for insurance companies. In industrial laboratories, the applied mathematician serves as a consultant in the formulation and solution of problems presented by the engineering department, and also aids in the design of experiments. In colleges and universities, the mathematician is engaged in teaching and research.

Now let us look at how industry employs engineers and scientists. It might be suspected, for example, that chemical industries like DuPont employ only chemical engineers and chemists, that electrical industries like Westinghouse employ only electrical engineers and physicists; but this is absolutely not so. The interests of any single industry are so wide that any large company employs practically every type of scientist and engineer. Westinghouse employs, for example, many

metallurgical engineers, United States Steel employs a great many civil and mechanical engineers, DuPont employs physicists. It can be generally assumed that no matter what branch of engineering or science a young man studies in college, he can find highly interesting employment in any type of industry. Nor can it be said that in order to reach the top of any industry he need be a specialist in the most important field in that industry. *The main factor that determines the success of a man in an industry is much more the qualifications of the man himself than the formal education with which he starts.* It is more important for one to consider the kind of work he wants to do with full regard for the kind of person he thinks himself to be than to pick the field of a particular industry or company.

Now we come to the third point—what the individual does. Within each branch of engineering and science, and also within each company, we find engineers and scientists employed in a number of different ways, that is performing different functions; research, development, design, manufacturing or production, construction, operation and maintenance, application and sales, and management. In each of these functions the scientist plays a role which in general is the strongest in research.

RESEARCH is the process of seeking new knowledge or a better understanding of the significance and relationship of facts already known; the “scientific method” of working from known facts toward the unknown—toward new ideas, facts, principles, materials, or processes. The “pure scientist” is interested mainly in discovering something new. The engineer is interested mainly in turning that something new into something useful. Closely coupled to research is teaching; that is, the imparting of new knowledge to others and the development in others of the latent desire that human beings have of applying sound methods (*Continued on page 32*)



A STUDENT IN ELECTRONICS

ALUMNI ACTIVITIES

WINS MCGRAW MEDAL

Joseph S. Schuchert, E'25, manager of commercial sales, Duquesne Light Co., has been awarded the James H. McGraw Medal for outstanding service to the electrical industry.

Curtis W. McGraw, president of the McGraw-Hill Publishing Co. of New York, presented the medal and a check for \$100 at a dinner tendered Schuchert on June 30 by members of the Electric League of Western Pennsylvania and friends in the industry from throughout the country.

Mr. Schuchert received the medal for conceiving and introducing the planned lighting program in the electrical industry. "His pioneer efforts eventually resulted in the nationwide planned lighting program . . . recognized by utilities, contractors, distributors and manufacturers as a highly successful concept and method for the promotion and development of commercial lighting . . ." the citation read.

The McGraw Award was established in 1925. The last recipient was Charles E. Wilson of General Electric Co.

Mr. Schuchert, right in the picture, is shown receiving the medal from Mr. McGraw.



MR. SCHUCHERT

BLAW-KNOX OFFICIAL

F. H. Allison, Jr., E'23, has been appointed assistant vice president of BlawKnox in charge of metallurgy and roll sales. A new post with the company, Dr. Allison will be directly responsible for integrating the sales and service functions of the two Blaw-Knox roll organizations—Pittsburgh Rolls and Lewis Rolls. He will also have full responsibility for the metallurgy in the company's foundries in Pittsburgh.

Dr. Allison, after obtaining his doctorate in metallurgy from the University of Sheffield, England in 1926, served one year in research with Westinghouse and then went to Crucible Steel Co., where he was assistant to the chief metallurgist. In 1934 he joined the United Engineering and Foundry Co. organization and for the past eight years has been their chief metallurgist. He is a member of many scientific and professional societies and lives at 1121 Winterton Street, Pittsburgh 6, Pa.

TEACHING ART IN GREECE

Mrs. George Roessing (Margaret Grier, A'27), living in Greece with her husband, a United States Government official, is teaching sketching, water color, and oil painting to members of the American Women's Organization of Greece. Her work was featured in the *Pittsburgh Post-Gazette* of July 4, 1952.

A sculptor and painter, Mrs. Roessing taught art to all ages from kindergarten to graduate students in Pittsburgh and Harrisburg. She gives great credit for her teaching ability to the late Professor McCleary.

TECHNICAL AUTHOR

McGraw-Hill Book Co. has just released a new book in their Electrical and Electronic Engineering Series—*Direct Current Machinery* by Charles S. Siskind, E'21, assistant professor of Electrical Engineering at Purdue University.

Siskind's book was written to provide fundamental and clearly presented material for a one-semester course in d-c machinery. Assuming a background of elementary principles of electric and magnetic currents, he has his material progress through the fundamental theories of generators and motor operation. The use of auxiliary and control equipment, the numerous constructions and applications of present-day d-c machines and devices, and the development of many special machines, is clearly described and illustrated with sketches and wiring diagrams.

McGraw-Hill have published five other books by Professor Siskind and will publish a sixth on Electrical Machine Design when completed.

BUCKNELL RECORDER

Florence Pyle, A'36 has been appointed recorder of Bucknell University, Lewisburg, Pa. After graduation she taught for several years and then became admissions and academic secretary, and later registrar, of Briarcliff Junior College, Briarcliff Manor, N. Y. Miss Pyle went to Bucknell in 1947 and has been assistant recorder since 1948.

Miss Pyle is active in the Girl Scout program of Union County.



MISS PYLE



DR. ALLISON



PROF. SISKIND



THE TERMINAL BUILDING



THREE-FLOOR CONCOURSE

"THE WORLD'S FINEST AIRPORT"

The Greater Pittsburgh Airport, a modern masterpiece of airport design and construction, was dedicated May 31, 1952. Located about 14 miles west of the Golden Triangle and under construction for 10 years, this \$33 million project is the second largest in the world with the largest and finest terminal building.

Two Carnegie alumni had prominent roles in the design and construction of the airport and terminal. Joseph Hoover, A'29, was the architect for the unique and beautiful terminal building and James Paul Warner, E'18, designed the extensive electrical system.

The \$10 million terminal building, with its revolutionary "fingerdock" design, eliminates the confusion, delay and inefficiency that has been common to existing airports. The building is semi-circular in design, 575 feet in over-all width, and 1060 feet long, including the 600-foot "finger dock." Provision has been made for two more docks when expansion is demanded.

Included in the terminal is every facility the traveling public could wish, from a 62-room hotel to a recreation room. There are numerous shops, a movie theatre, a 550 capacity dining room, a cafeteria, coffee shop, lunch bar, private conference and dining rooms, as well as a post office, public garage, public observation lounges and the customary air-line facilities, waiting rooms and control towers. Two large exhibit rooms and 138 display windows have been provided where Pittsburgh District firms may show their products to the world.

Many new lighting techniques were used by Mr. Warner in designing the \$2 million system as an integral part of the architectural design. All lighting inside the terminal has been recessed or installed behind louvers and the lighting intensity has been varied for use, safety and beauty and has been provided without glare or being conspicuous.

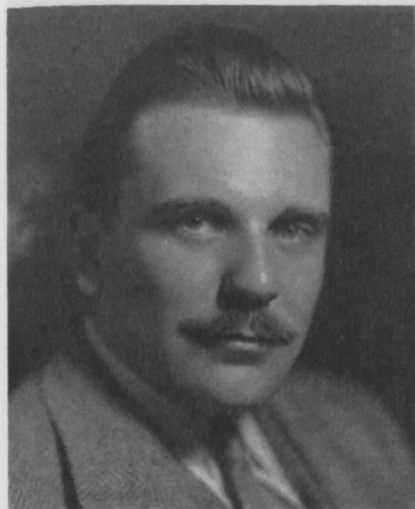
A new lighting technique was used in providing illumination for the plane loading stations and field aprons. The lighting units were recessed in the building wall and equipped with 300-watt and 750-watt lamps.

The electrical energy used at the airport is brought in from two different sub-stations to assure uninterrupted service and would serve a community as large as Ambridge, Pa. At night, with all the lighting on, it is certainly a dazzling sight.

John Schmidt, E'40; directors: Murray Armentrout, I'33; Jack Challinor, E'37; Henry Dosey, I'24; Red Godden, I'22; C. B. Groomes, E'49; Ron Gumbert, E'40; Guy Halferty, E'08; Howard Harpster, A'29; Frank Jordano, E'41; John Karcis, I'32; Don Lovewell, I'30; Joe Mihm, E'35; Jimmy Robertson, E'24; Jim Robinson, E'35; R. A. Schmidt, E'30; Mike Theodore, E'50.

The thing that will interest all the Clan members is the annual party to be held at Homecoming. This year's party will be held jointly with the Steffen Scholarship Committee at the P. A. A. on Friday evening, October 24. The officers hope you are planning to attend Homecoming and will make your plans to be at the first annual Varsity Clan party. Reservations may be made by writing to Mel Cratsley, care of Carnegie Institute of Technology.

The directors are striving to increase the membership and activities of the Clan and any former letterman who is interested in joining should write the Varsity Clan in care of Carnegie Tech.



MR. HOOVER



MR. WARNER

VARSITY CLAN REORGANIZED

On May 19, 1952, in connection with a testimonial for Buddy Overend, the Varsity Clan was reorganized. Approximately 140 former lettermen attended, by-laws were adopted, and the following officers and board of directors elected: president, Al Irwin, I'22; vice president, Gene Musial, E'40; secretary, Mel Cratsley, E'39; treasurer,



MRS. KORN

AUTHORS BOOK ON COMPUTERS

Theresa McLaughlin Korn, E'47, the first woman to earn a bachelor's degree in engineering from C. I. T. is author of *Electronic Analog Computers* recently published by McGraw-Hill Book Co. The book was written in collaboration with her husband, Granino A. Korn, Staff Engineer, Lockheed Aircraft Corp., Burbank.

Mrs. Korn began her career as engineer with Station WHJB, Greensburg, Pa. Later she joined the Curtiss-Wright Corp., Airplane Division Research section as a junior engineer, doing research in the design of analog computers and automatic control systems. She then became an engineer with Boeing Aircraft Co. engaged in the design of automatic control systems for aircraft.

Electronic Analog Computers is a comprehensive text and reference book on the design and applications of electronic computers of the d-c analog type.

Mrs. Korn is also the author of *Trailblazer to Television* published by Scribner's in 1950. She and her husband live at 8250 Lankershim Blvd., North Hollywood, Calif.

POPULATION SURVEY

With a sudden jump upward, the college alumni baby crop continues to grow, reports the Population Reference Bureau of Washington, D. C., in its seventh annual survey of 131 colleges. Men and women of the class of 1942 are able to boast 39% more infants apiece than could the graduates of 1936. This 1942 group may be the first in the recent history of American colleges to produce enough children to replace themselves (2.1 children apiece needed for replacement). The survey showed 1.51 babies per alumnus and 1.23 per alumna. The Carnegie '42's show 1.53 babies per alumnus and 1.32 per alumna, slightly above the average in both cases.

This survey also covered the graduates of 1927 with averages of only 1.85 children per alumnus and 1.19 per alumna. The Carnegie men of '27 average 1.70 children per alumnus and the women of '27, 1.23 children per alumna.

ALUMNI SCHOLARSHIPS

The Admissions Department in cooperation with the Alumni Federation has set up a scholarship project which everyone hopes will produce great things for the school, the alumni and future alumni. The project is known as "The Alumni Recruitment Program."

A portion of the money contributed by the alumni through the Alumni Fund and earmarked by the Alumni Fund Board for Alumni Scholarships, has been allocated for Clan Scholarships. The Clans selected agree to do promotion work with high schools and



DR. PAKE

private schools in connection with recruiting students for Carnegie and, as an added incentive, the Clan may select a two-year full tuition scholarship from a list of applicants approved by the Admissions Department. The scholarship will be named for the Clan making the selection.

The program was tried out last year in the Chicago, Cleveland, Philadelphia and Washington Clans with encouraging results and much satisfaction. The Chicago Clan awarded the Chicago Clan Alumni Club Scholarship to Thomas E. Ascher of 6307 N. Kenmore Avenue, Chicago, who plans to enter the College of Engineering and Science for the study of Chemical Engineering. Cleveland Clan chose Robert K. Lindsay of 1531 E. 248 Street, Euclid, Ohio, who will enter the Electrical Engineering Department. The Philadelphia Men's and Women's Clans combined to select Miss Ruth A. Rand, 7252 N. 20th St., Philadelphia, who will study General Science in Margaret Morrison, Washington

picked Lloyd L. Burlingame, 1306 Rodman St., N.W., Washington, D. C., who will study scene design in the Drama Department of the College of Fine Arts.

The need for scholarships continues to be of such vital importance to the welfare of the school and its students that the Alumni Fund Board has again voted to this purpose the unearmarked funds the alumni have so generously contributed. They have voted \$18,000 for this purpose for the school year of 1952-53.

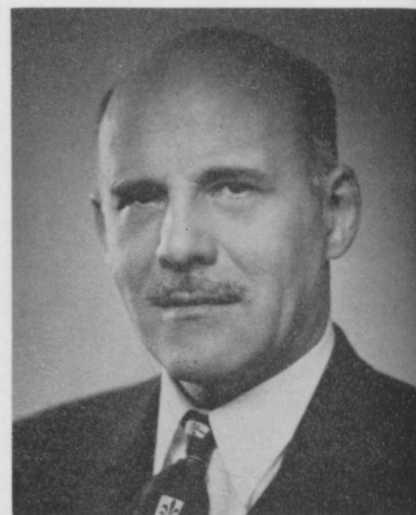
HEADS PHYSICS DEPARTMENT

Dr. George E. Pake, E'45, a member of the faculty of Washington University, St. Louis, since 1948, has been appointed chairman of the department of physics there. After receiving his bachelor's and master's degrees from Carnegie in 1945, he was a member of the physics research staff of Westinghouse Research Laboratories, East Pittsburgh. He studied at Harvard from 1946 to 1948, receiving the degree of doctor of philosophy in 1948. Married, with one son, Dr. Pake lives at 505 North Rock Hill Rd., Rock Hill, Mo.

BAR ASSOCIATION HEAD

Thomas N. Griggs, E'24, has been elected president of the Allegheny County Bar Association. He is senior partner in the law firm of Griggs, Moreland, Blair & Douglass with offices in the Oliver Building, Pittsburgh.

Mr. Griggs was chairman of the 100th anniversary celebration of the Phi Kappa Psi Fraternity, held June 24 to 28 at the William Penn Hotel, Pittsburgh. He is a director of G. C. Murphy Co., W. S. Hill Co., Washington Oil Co., and an active member of the Steffen Memorial Scholarship Committee at Carnegie.



MR. GRIGGS

CAMPUS AND DEPARTMENT NEWS

55TH COMMENCEMENT

Seven hundred and fifty students from thirty-eight states, the District of Columbia and nineteen foreign countries were awarded bachelor and advanced degrees from Carnegie Institute of Technology at graduation exercises in Syria Mosque Saturday, June 7.

Approximately 300 Pittsburghers were among the seniors and graduate students who received their degrees before an audience of 4000 people.

The geographical distribution of the 1952 class reaches throughout the United States, including California, New Mexico, Florida, Washington, New Hampshire and Texas. The international group takes in China, Costa Rica, Colombia, Venezuela, Ethiopia, Portugal, Cuba, Spain, Iran, India, Canada, Japan, Burma, Finland, Greece, the Philippines, Puerto Rico, Norway and the Dominican Republic.

Fifty Carnegie graduates received degrees as a result of evening or part-time study.

Invocation was pronounced by Rev. Ansley Cunningham Moore of the Sixth United Presbyterian Church, and President J. C. Warner conferred the degrees.

Baccalaureate services were held Friday evening, June 6 in the Carnegie Music Hall. Dr. J. C. Warner spoke to the graduates on "Dollar Morality."

The annual Senior Ball was held in the foyer of the Carnegie Music Hall immediately following the Baccalaureate services.

LIBRARIAN APPOINTED

Kenneth H. Fagerhaugh, former Assistant Librarian at John Crerar Library in Chicago, has been appointed Head Librarian and Associate Professor of Library Science at



PROF. FAGERHAUGH



DR. WARNER AT ILLINOIS TECH CONVOCATION

Dr. J. C. Warner, president of Carnegie, and six Carnegie alumni were present at the inauguration of Dr. John T. Rettaliata as the second president of Illinois Institute of Technology, May 22, at the Civic Opera House, Chicago. Dr. Warner was the principal speaker at the inauguration convocation.

Shown above, left to right: Dr. John M. Daniels, Chairman of Admissions at Carnegie; R. A. Hutchinson, E'33; F. A. Faville, E'19; Mrs. Faville; Dr. Warner; Mrs. H. D. Krummell, M'24; H. D. Krummell, E'20; L. E. Dempsey, E'33; and George Ellerton, E'19.

Carnegie Institute of Technology.

In addition to his duties as Head Librarian, Professor Fagerhaugh will teach courses in the Carnegie Library School which deal with scientific and technical library service.

During the war years, Fagerhaugh was Librarian and Supervisor of Documents and Files at Clinton Laboratories, Oak Ridge, Tenn. He later served as a technical librarian in the U. S. Quartermaster Corps. In 1946 he became Research Librarian at the John Crerar Library and two years later was named Assistant Librarian there.

A native of Opheim, Montana, Professor Fagerhaugh holds the bachelor of science degree in chemistry from Luther College (1936). Following graduation, he was instructor of chemistry at Luther for four years. He then served as a chemist with DuPont before entering library work. In 1942 he received the bachelor of arts degree in library science from the University of Michigan.

An active member of the Special Library Association, he has served as national secretary-treasurer of the Science-Technology Group, chairman of the Science-Technology Group Structure Committee, and now holds a four-year term as director.

Fagerhaugh replaces Melvin J. Voigt who is Assistant Librarian in charge of personnel at the University of California.

DR. MEHL ADDRESSES COLORADO S. M. COMMENCEMENT

"America is frighteningly short of ores."

This was the statement made recently by Dr. Robert F. Mehl, director of the Metals Research Laboratory and head of the Metallurgical Engineering Department at Carnegie, speaking before the graduating class at the Colorado School of Mines at Golden, Colorado.

"We are self-sufficient as a nation in only nine basic minerals and deficient in twenty-three others," Mehl warned. "Responsible men have said that though we were but a little short of any metal in the last war, we will be short of every one in the next, if there is one."

In his talk before the audience of more than a thousand persons and the 1952 graduating class of 250, Mehl declared that only through a marriage of research and science can this nation hope to produce the minerals it needs.

He called for research in all phases of the mineral industries and praised the Colorado School of Mines for the training it gives its mineral engineers and for its research contribution to the industry.

Dr. Mehl received an Honorary Doctor of Engineering degree at the exercises.

NEW REGISTRAR

William L. Rogers, who has been assistant registrar at Carnegie since May 1946, has been appointed registrar to fill the vacancy caused by the death of Earl King Collins on April 16, 1952. The appointment took effect June 1, 1952.

Mr. Rogers, a graduate of the University of Pittsburgh, where he also took graduate work in Economics, served in the Quartermaster's Corps of the Army from 1942 to 1946. After coming to Carnegie he was in charge of scheduling and machine reporting of grades.

CARNEGIE TEAMS PLACE

The Carnegie entry in the Elmer H. Bobst contest for studies in the field of international human relations, conducted among all the colleges and universities in the State of Pennsylvania, won second prize of \$1,500. First prize of \$3,000 went to a team entered by Franklin and Marshall College, Lancaster, and third prize of \$500 was won by the Mount Mercy College team, also from Pittsburgh. The Margaret Morrison team placed fourth in a field of 41 entries.

The Carnegie team was composed of Dale E. Strick, assistant Professor of History; Philip G. Drew, sophomore, Civil Engineering; Richard M. Durstine, sophomore, Physics; and Robert G. Hocker, Junior Metallurgy.

Dr. Bobst, president of Warner-Hudnut, New York, and a trustee of Franklin & Marshall, established the awards last October when he was named a Pennsylvania Ambassador during Pennsylvania Week. He provided a fund to be given as prizes for the best studies in the field of human relations on the general subject: "Key to Better Human Relations—Unlocking the Barriers to World Peace."

The studies were to be accomplished by teams of four, with one faculty member working with three undergraduate students.

The final judges were Warren R. Austin, United States Representative to the United Nations; Walter Annenberg, Publisher, the Philadelphia Inquirer; Dr. Ralph J. Bunche, Director, Department of Trusteeship, United Nations; H. W. Prentis, Jr., Chairman of the Board, Armstrong Cork Company, and John Cameron Swayze, television news commentator.

Max Hannum, former head of the Carnegie News Bureau and now assistant to President Distler of Franklin and Marshall College, was in charge of the contest.

A NEW PSYCHOLOGY BOOK

Dr. B. von Haller Gilmer and Dr. Harry W. Karn, psychologists at Carnegie Institute of Technology, have recently collaborated on

a book, "Readings in Industrial and Business Psychology" (McGraw-Hill, 1952).

The editors present a collection of 53 representative articles which point the way toward an identification and solution of the more pressing psychological problems in business and industry.

Some of the problems discussed include industrial leadership, fatigue and worker efficiency, and motivation and morale.

Dr. Gilmer is noted for his research project on an experimental approach to toy design. He is also author of the popular book, "How to Help Your Child Develop Successfully."

Dr. Karn has been engaged in industrial psychology, training and safety research. He serves as consultant to several industrial plants.

DEAN GREEN DIES

Mary Watson Green, dean of women, emeritus, died July 26 at a West Palm Beach, Florida, hospital after a long illness.

Miss Green retired from Carnegie October 1, 1940 because of ill health and moved to Delray Beach, Florida.

Born at Newport, Delaware, January 14, 1875, Miss Green received her A.B. degree from Goucher College in 1897. She received her M.A. degree and a certificate as Advisor of Women from the Teachers' College of Columbia University in 1920. During the summer of that year, she served as advisor of women at the International Club for Women Students in New York City and in the fall of 1920 took up her duties as dean of women at Rockford (Illinois) College, where she served until coming to Carnegie in 1925 as dean of women.

Miss Green was a member of the board of trustees of Goucher College for many years and was active in the American Association of University Women. She was a past president of the Illinois Association of Deans of



DEAN GREEN

Women, a past chairman of the College Section of the National Association of Deans of Women, and a past treasurer of the Pennsylvania Association of Deans and Advisors of Women.

MISS SARAH LEACH DIES

Miss Sarah Ann Leach, a secretary at Carnegie for nearly 27 years, died July 16, 1952 after a six year illness.

Miss Leach, born in Ft. Wayne, Indiana, in 1886, was awarded a Carnegie bronze medal by the Carnegie Hero Fund in 1920 for the heroic rescue of her sister and a friend who were drowning. With the \$800 gift that accompanied the medal, she came to Pittsburgh to study secretarial training and in 1922 joined the Carnegie staff as secretary to the dean of women. In 1925, she became secretary to the new dean of women, Miss Green, who died just ten days after Miss Leach.

MRS. RUSSELL TWIGGS DIES

Mrs. Lorene Wallace Twiggs, wife of Russell G. Twiggs, massier in the Painting and Design Department, died June 16, in West Penn Hospital. She was 53.

Mrs. Twiggs, who served as a secretary at Carnegie for 18 years, retired from her position in the Department of Painting and Design in 1945, due to ill health.

In addition to her husband, she is survived by her brother, William S. Wallace.

NEW DIRECTOR FOR KILTIES

Robert B. Cantrick has been appointed assistant professor of music education and director of the Kiltie Concert and Marching Band. Mr. Cantrick replaces William Schaefer, who has accepted the position as head of the wind instrument department and director of the concert and marching band at the University of Southern California, Los Angeles.

A music major graduate of the University of Rochester, from which school he also received an M.A. degree in philosophy, Professor Cantrick has also studied at Harvard, Julliard, University of Michigan and Oberlin. He has also taken private work under noted artists in flute, composition and conducting. He received a Ford Foundation Fellowship for 1951-52 and served as an apprentice conductor under George Szell with the Cleveland Symphony Orchestra.

During World War II he was a band leader with the 7th Armored Division and after discharge has been assistant professor of music and band director of Furman University, Greenville, S. C. Professor Cantrick has been active in music circles in Greenville, is a member of Phi Beta Kappa and many professional musical societies.

Professor Cantrick is married and the father of five children.

THE 1951-52 CARNEGIE ALUMNI FUND REPORT

The 1951-52 Alumni Fund sets a new record at Carnegie Institute of Technology in alumni giving for the benefit of the school.

THOMAS D. JOLLY, E'13, *Chairman*
Alumni Fund Campaign Committee

IN submitting this report of the 1951-52 Alumni Fund it is easy to be enthusiastic about the total of alumni giving in the past year. The Fund has again registered a satisfactory increase in the total of money given to Carnegie.

The total of gifts, reported through the Alumni Fund for the year ending June 30, 1952, amounts to \$68,231.16—the largest since the new annual giving program was inaugurated in 1946, after the successful conclusion of the 1946 Endowment Fund Campaign on June 30, 1946.

The total of \$68,231.16 includes \$64,270.62 received in individual gifts from alumni, \$1,544.04 in gifts from alumni clans and other alumni groups, and \$2,416.50 received from friends. In this latter group were a number of gifts given in lieu of flowers as a tribute to the late George Paulson, E'20, at the suggestion of his widow.

In one very important feature, however, the 1951-52



MR. JOLLY

report is disappointing. The total number of individual alumni contributing to the Fund this year is only eight more than for the previous year. This year 1,925 alumni, 12.5% of those to whom appeals were directed, contributed an average of \$33.40 each. In 1950-51, 1,917 alumni or 13.4% of those to whom the appeals were mailed, gave an average of \$26.65.

In unearmarked gifts, a total of \$23,585.40 was received, a part of which the Alumni Fund Board voted for Alumni Scholarships. The Steffen Memorial Scholarship Fund received \$15,413.50 and the balance, \$29,232.26, was earmarked for various special named funds.

The complete tabulation of gifts on pages 16 and 17 gives the record for each class in each school except in the Library School. If you check the number of givers with the names listed in the complete report please remember that Life Members are not counted as givers in the tabulation unless they have also made a gift in the current year.

If you are statistically inclined, the analysis of gifts in the table on page 15 should prove very interesting.

In submitting this 1951-52 report, I want to register my deep appreciation to the members of the Alumni Fund Board and the Alumni Fund Campaign Committee. Also, my thanks and appreciation goes to the Class Managers for their conscientious efforts. Their work for the Fund—and for Carnegie—was invaluable.

ALUMNI FUND ORGANIZATION FOR 1951-52

ALUMNI FUND BOARD

Chairman, John N. Franklin, A'23

Miss Marion F. Burns, M'11
Miss Katherine Crumrine, L'33
John L. Elliott, E'10

Robert W. Johnson, IA'50
Thomas D. Jolly, E'13
Karl Konnerth, E'18

E. A. Lucas, E'19
John H. Moore, I'20
Thomas C. Pratt, A'30

EX-OFFICIO

Dr. J. C. Warner, *President*
Walter J. Blenko, E'21, *Chairman of Executive Committee*

Haskell R. Patton, *Controller*
Professor Clara Jane Douglas, *Chairman of General Faculty*

ALUMNI FUND CAMPAIGN COMMITTEE

Chairman, Thomas D. Jolly E'13

F. W. Bremmer, E'24
R. H. Caffee, I'30
Carl M. Dozer, A'36
Miss L. Maud Fire, M'20

Frank E. Foote, E'30
John M. Kelley, E'22
Park H. Martin, E'10
Miss Anna L. McCandless, M'19
John M. Orr, I'25

Rody Patterson, A'23
W. Ward Powell, Sr., E'13
John F. Sweeny, E'20
William S. Walker, E'08

1951-52 ALUMNI FUND CONTRIBUTORS BY CLASSES

Listed below are the names of alumni who contributed to the 1951-52 Alumni Fund between July 1, 1951, and June 30, 1952, inclusive. Alumni who subscribed for Life Memberships prior to the establishment of the Alumni Fund in 1937 and completed payment before July 1, 1946, are indicated by an

asterisk (*). Life Members who contributed to the 1951-52 Alumni Fund are indicated by a dagger (†). The class membership figure is the total of those for whom the Alumni Office had good addresses at the time the 1951-52 Alumni Fund appeal was mailed.

1905	
LIBRARY	
Ida J. Duff	
1906	
LIBRARY	
Adah F. Whitcomb	
1908	
Am't Contributed	\$240.00
Total in Class	56
1951-52 Contributors	8
ARTS	
Roy J. Rodgers	
William S. Walker	
ENGINEERING	
Manager: Winthrop W. Slocum	
David F. Boyd	
Gordon A. Burnside	
John B. Coursin	
J. Arthur Garber	
Frederick L. Hunt	
G. H. Kann	
J. R. Olnhausen	
Clarence Overend	
Walter H. Pfeil	
E. S. Schumacher	
Winthrop W. Slocum	
1909	
Am't Contributed	\$1,041.97
Total in Class	140
1951-52 Contributors	25
ARTS	
†R. D. Street	
ENGINEERING	
Manager: Eugene Dowling	
Oscar Bieler	
C. David Bonsall	
Edwin O. Burgham	
D. A. Casey	
†Eugene Dowling	
Lynn E. Exline	
Lyle D. Fiddler	
Ernest F. Fisher	
Walter Gray	
Frederick C. Grote	
Ross B. Hammond	
H. W. Hartman	
†James L. Latham	
†David W. Patterson	
†L. F. Reinartz	
J. B. Sprague	
Charles E. Wilson	
John S. Wilson	
INDUSTRIES	
William S. Davis	
†Morris Eisner	
H. H. Hook	
William L. Silverman	
MARGARET MORRISON	
Manager: Edna C. Smith	
Elizabeth Kramer Abel	
Ada Ramlack Countryman	
Grace Griffin Jones	
Irene Bunting King	
Hattie Gray Merrill	
A. Lucile Sawhill	
Clara L. Toudy	
Rebekah Shuman Williams	
Fannie R. Woodside	
1910	
Am't Contributed	\$712.00
Total in Class	112
1951-52 Contributors	26
ENGINEERING	
Manager: John L. Elliott	
†J. S. Charles	
Robert H. Dibble	

†John L. Elliott	
*Frank Garratt	
Ludwig I. Grote	
†J. C. Hobbs	
James W. Jones	
Park H. Martin	
*John R. McClain	
*Kern W. McHose	
*D. M. Naismith	
†Manly P. Northam	
*O. W. A. Oetting	
*E. P. Poste	
David K. Reid	
C. R. Rupp	
*George S. Smith	
Haakon Styri	
Jay K. Thompson	
*H. W. Viehman	
†Theron Wasson	
Herman L. Weckler	
INDUSTRIES	
Manager: S. G. Little	
Leo Clark	
Thomas B. Hambry	
S. G. Little	
William C. Masters	
Roy S. McEwen	
MARGARET MORRISON	
Manager: Edith Scott Glenn	
Beatrice Hill Bayless	
Olive Freese Bragdon	
†Edith Scott Glenn	
Emma Clark Long	
Mary McLean Martin	
Sarah Williams Mundo	
Frances Kempel Roller	
Mary Wrabely Warren	
1911	
Am't Contributed	\$441.50
Total in Class	109
1951-52 Contributors	19
ENGINEERING	
Manager: Alvin C. Dyer	
Herman C. Barchfield	
†J. W. Dougherty	
A. C. Dyer	
Guy C. Hecker	
*R. H. Horton	
Nathan Mueller	
J. L. Williams	
INDUSTRIES	
Manager: H. W. Minnemeyer, III	
M. T. Ahlers	
William M. Ball, Jr.	
H. W. Minnemeyer, III	
LIBRARY	
Maria De Vrieze	
MARGARET MORRISON	
Manager: Mary Olive Wight	
Ethel Alter Borshneck	
Mary Craighead Brinton	
Ruth Turkle Buente	
†Marion F. Burns	
Ruth Henderson Elder	
†Helen Baglin Galleher	
Izetta Ewens Graham	
Elsie Colmery Lindau	
Jane Linderman Pritchard	
†Mary Olive Wight	
1912	
Am't Contributed	\$835.00
Total in Class	132
1951-52 Contributors	23
ARTS	
Francis Keally	
ENGINEERING	
Manager: Frank R. Rex	
C. G. Bigelow	
Edmund R. Boots	
Willard Buente	

†W. Chalmers Burns	
Carroll B. Collins	
*Curtis C. Colwell	
David Henderson	
W. J. Hittner, Jr.	
Samuel Horelick	
*F. H. Koerbel	
*John F. Laboon	
Reginald F. Phillips	
Frank R. Rex	
W. J. Sherrard	
Fred I. Sigman	
Karl T. Stearns	
*Wm. Huff Wagner	
INDUSTRIES	
Manager: Howard L. Dawson	
*George T. Bamsley	
Emil Limbach	
C. R. Sturm	
MARGARET MORRISON	
Manager: Mrs. Harry McCully	
Elizabeth Curtis Gulland	
Lois A. Hall	
Jane Caldwell Harrold	
Helen Boyd McCully	
Dorothy D. Savage	
Mabel Toudy Watson	
Elizabeth M. Yagle	
1913	
Am't Contributed	\$5,714.09
Total in Class	123
1951-52 Contributors	19
ARTS	
William Finkel	
ENGINEERING	
Manager: Edward E. Duff	
William L. Abbott, Jr.	
†Edward E. Duff, Jr.	
John R. Gearhart	
David J. Giles	
*L. E. Griswold	
*J. E. Harmer	
F. Galen Hess	
Thomas D. Jolly	
Karl L. Kortlandt	
†Edgar D. Lambert	
W. L. Moorhead, Jr.	
†A. J. A. Peterson	
W. Ward Powell, Sr.	
†Otto G. Richter	
*A. W. Simpson	
Maurice Stubnitz	
†Howard G. Texter	
A. F. Volmrich	
INDUSTRIES	
Manager: R. H. Watkins	
*Robert G. Crawford	
Harry M. Danner	
*Cecil M. Griffin	
E. H. Hamilton	
*Frederic Rauchenstein	
R. H. Watkins	
MARGARET MORRISON	
Manager: Mrs. W. E. Douglass	
Eleanor Law Douglass	
1914	
Am't Contributed	\$970.50
Total in Class	126
1951-52 Contributors	22
ARTS	
Manager: E. Herbert Gilg	
†T. David Fitz-Gibbon	
William H. Harrold	
J. Byers Hays	
*Bertha Gill Johnston	
Allen F. Jordan	
Allan H. Neal	

ENGINEERING	
Manager: Alfred D. Beeken	
*J. C. Averbach	
*Clete L. Boyle	
*A. V. Dolan	
G. M. Douthett	
Raymond T. Gillis	
Charles R. Holzworth	
G. Guy Kelcey	
William F. Routh	
Frederick E. Schuchman	
W. S. Scott	
*Walter C. Sontum	
*James R. Wilson	
INDUSTRIES	
Arthur B. Foster	
H. S. Thorne	
Harry O. Waechter	
MARGARET MORRISON	
Manager: Elizabeth Stevenson	
Estelle Brodhead Arnold	
Elizabeth I. Caulfield	
Katherine Dermitt Douthett	
Alma E. Hiller	
Mary Jean Horgan	
Amelia Lehman Senft	
†Elizabeth Stevenson	
1915	
Am't Contributed	\$568.00
Total in Class	144
1951-52 Contributors	24
ARTS	
Manager: Edward Crump, Jr.	
*Edward Crump, Jr.	
*R. K. Fleming, Jr.	
Mildred Taber Keally	
ENGINEERING	
Manager: Gilmore Lee Tilbrook	
*Wm. J. Bannen	
*Victor W. Bihlman	
Frank H. Ernst	
*Walter N. Flanagan	
*Charles W. Gibbs	
*Harold E. Gumbart	
William B. Hamilton	
Benjamin Hantman	
*O. C. Heffner	
Herman C. Ihlen	
†Howard B. Klippel	
†A. Albert L. Martin	
*H. W. Penterman	
†Edwin S. Rauh	
*M. G. F. Sander	
Henry S. Stockdale	
*Gilmore Lee Tilbrook	
*A. H. Weitz	
*F. C. Ziesenheim	
INDUSTRIES	
Manager: John M. Orr	
Charles J. Bushong	
E. W. Overdorff	
Joseph O. Parker	
Julius Schmidt	
Carl F. Schulte	
*S. M. Sperry	
LIBRARY	
Grace Endicott	
Esther Friedel	
MARGARET MORRISON	
Manager: Mrs. Carl Glock	
Helen Logan Bradshaw	
†Lydia Bates Glock	
Kathryn Anglock Hamilton	
*Helen Harbison Knapp	
Millicent S. Leech	
*Florence L. Lytle	
*Sarah T. Murray	
Marjorie Northrup Peterson	
Marguerite Spilman	
Hazel Freeland Stonerod	
†Ruth E. Welty	

1916	
Am't Contributed	\$2,296.00
Total in Class	162
1951-52 Contributors	28
ARTS	
Manager: Carl C. Britsch	
Carl C. Britsch	
†H. L. Smith	
Bernard B. Spigel	
ENGINEERING	
Manager: Benjamin Schwartz	
*Harry S. Braun	
William H. Chown	
*Willard C. Dodge	
Evans R. Dodson	
William P. Duff	
Karl H. Fulton	
David R. Ingalls	
*Harold D. Macklin	
†John F. Maxwell	
*George C. Minor	
Maurice Reswick	
*James C. Sawders	
Benjamin L. Schwartz	
Thomas F. Shea	
W. W. Stein	
*D. L. Trautman	
James P. Tumpene	
†M. J. Wohlgenuth	
INDUSTRIES	
*William Buhl	
*Emmett F. Cary	
Harold E. Fox	
*K. H. B. Julian	
*R. D. Junkins	
Donald R. Koontz	
James M. Moore	
Martin F. Murphy, Jr.	
W. G. Frack	
R. H. Zeilman	
MARGARET MORRISON	
Manager: Mrs. D. L. Trautman	
*Mary Loomis Carter	
Lila Gilmore Casselberry	
*Nellie B. Green	
†Golda M. Heminger	
*Mary Ride Lees	
*Marion Groth Peel	
†Ruth E. Pontius	
*Maude Sanford Saby	
*Agnes L. Sharp	
†Marguerite Menges Shupp	
*Charlotte Watson Trautman	
†Mary Louise I. Wallover	
Marion Pichel Weihl	
†Elizabeth McFate Wysor	
1917	
Am't Contributed	\$3,703.00
Total in Class	223
1951-52 Contributors	31
ARTS	
Raymond A. Freeburg	
Joseph Gelman	
Alfred M. Marks	
ENGINEERING	
Manager: John A. Carothers	
*Clarence W. Andrews	
†G. M. Barrow	
*Edward S. Bucher	
*Andrew Carnegie	
*J. A. Carothers	
*Howard E. Dunn	
*A. W. Einstein	
*Raymond H. Einstein	
Raymond E. Ginn	
Samuel G. Haas	
*Allen L. Heston	
Anthony J. Kerin	
James E. Kesner	
Carl H. Kindl	
*Albert Matthes	
*L. M. Merrill	

Charles W. Moore
William H. Norman
*Merle L. Orr
Llewellyn H. Rowe
†*Raymond J. Salsbury
*Louis Sandler
William H. Searight
*C. K. Smullen
†*Alfred M. Staehle
*C. F. Wagner
*E. C. Wilson
*Frank J. Wood
*G. E. P. Wright

INDUSTRIES

Manager: R. J. Wean
Robert J. Brocker
*D. W. Fletcher
Howard K. Gandelot
*W. B. Jones
*P. H. Jonietz
Andrew J. Miller
Donnell D. Reed
Peter Stratigos
Phil Twitford
R. J. Wean

MARGARET MORRISON

Manager: Mrs. Chas. R. Fettke
*Christine Cameron Albin
Rebecca Schmucker Conner
†*Gail Sellers Fettke
Bertha Glazier
Margaret Macrum
†*Inez Heacock Pille
†*Cecilia Hillman Salsbury
†*Sue F. Smith
*Helen Wassell
Miriam Weikert
Winifred Irwin Weir

1918

Am't Contributed \$648.00
Total in Class 158
1951-52 Contributors 21

ARTS

Manager: G. G. Greulich
G. G. Greulich
Alfred J. Haller
Raymond M. Marlier
A. Brady McSwigan
Theodore A. Viehman

ENGINEERING

Manager: Emerson M. Pugh
R. C. Cosgrove
*James H. Davis
†*William F. Eames
†*William G. Heltzel
†*Byron L. Keim
Alvaro Mendez
*Frank R. Porter
Emerson M. Pugh
*Wallace V. Wolte

INDUSTRIES

Manager: George R. Holmes
George B. Confer
E. E. Hawkins
George R. Holmes
Arthur E. Reinhold

MARGARET MORRISON

Manager: Mrs. Helen B. Orr
†*Mrs. Lulu Fuller Baird
*Rachel E. Beatty
Helen Senn Crouse
Cecelia Murdoch Daniells
*Helen Bosworth Orr
Edith Gurley Rowe
Dr. Alice Wakefield
Helen Hilleary Williams

1919

Am't Contributed \$1,713.00
Total in Class 153
1951-52 Contributors 25

ARTS

Manager: Alexander Sharove
*Rhea E. Beck
Virginia Freed Brockway
Mildred Floyd Schmertz
Alexander Sharove
Dorothea E. Steinmacher

ENGINEERING

Manager: F. A. Faville
*Henry H. Blau
Harold B. Cheswick
William G. Conner, Jr.
George Ellerton, Jr.,

Frederick A. Faville
*Weston H. Gillett
Edward M. Gretzler
†*John G. Juergens
Emil A. Lucas
W. Arthur McSorley
John Lambie Ross
Benjamin S. Urmston
Milton S. Wadsworth

INDUSTRIES

Manager: Herbert J. Graham
†*Leonidas Barboza
†*Frederick C. Beede
Herbert J. Graham
*Edwin Haub
†*A. Z. Shmina
John L. Womack

MARGARET MORRISON

Manager: Mrs. M. H. Davis
*Jessie F. Bell
*Dorothy Harlow Bevins
Phyllis McMarlin Fetzter
Martha Potter Foster
Helen Savard Galbraith
†*Anna Loomis McCandless
Grace Taggart Pogue
*Bernice Kruger Thorpe

1920

Am't Contributed \$1,211.50
Total in Class 234
1951-52 Contributors 31

ARTS

Manager: M. Edwin Green
*Mary Slater Barboza
Robert Bowers
Philip Friedman
M. Edwin Green
C. C. Pribek
Charles M. Stotz

ENGINEERING

Manager: John F. Sweeney
*John D. Beatty
Jacob S. Braverman
*Samuel J. Caplan
Martin I. Cowen
Leo E. Deitrich
C. R. Dobson
*Harry Douthett
Fred B. Dreifus
J. A. Gerber, Jr.
*Harry Ginsburg
Albert Grobstein
F. J. Heinle
E. F. Hirsch
*Arthur J. Kerr
James H. Kindelberger
Myron Kitaif
*Kenneth K. Knael
*Harry D. Krummell
Samuel S. Levin
†*James D. Miller
*Russell K. Montgomery
*A. J. Rosengarth
D. C. Saylor
*W. C. Seabright
*Albert D. Sheere
*Conrad A. Stone
†*John F. Sweeney
*Elmer L. Wycoff

INDUSTRIES

Manager: John H. Moore
*Joseph Dopler
John H. Moore
*Octave Schmurser
Herbert S. Yergey

MARGARET MORRISON

Manager: Mrs. H. J. Graham
Mary E. Bechtel
†*L. Maud Fire
Frances Wing Graham
Orrall D. Hepburn
Ruth Edgin Pugh
Mary L. Rhoads
Margaret S. Rosenbluth
Hazel C. Schaffer
†*Harriet I. Stone
Margaret Lappe Wheeler

1921

Am't Contributed \$6,258.50
Total in Class 268
1951-52 Contributors 61

ARTS

Manager: Robt. W. Schmertz
Virginia Herd Clay

Raymond D. Devney
*Sara T. Floyd
†*Florence L. Kreider
Luther S. Lashmit
George R. McGlenn
Robert Schmertz
Rose Goff Smilay

ENGINEERING

Manager: Albert C. May
*Ben F. Anthony
Eugene L. Biddle
†*Walter J. Blenko
Frederick S. Bloom
G. R. Brandin
Nathan H. Brodell
†*Charles J. Code
A. M. Cox
*Paul H. Dickey
*Thomas M. Fenton
*Alfred J. Hanks
Lauren E. Hawkins
William R. Howell
*J. S. Hubbard
William Isler
*Arthur W. Kalkity
Joseph C. Keaney
Arthur F. Leet
John M. Leonard
†*Matthew H. Mawhinney
Albert C. May
I. T. Meyer
Louis Newman
Horace G. Nichol
Fred A. Nicholson
*Wm. H. Obenour
Anthony W. Prins
William J. Reilly
S. M. Rodd
W. E. Saxton
Robert W. Schlumpf
Clarence B. Schmidt
James B. Serrin
*Homer M. Sinclair
George W. Smith
Frank Evans Swindells
*Charles H. Todd
Henry Tuoff
†*Charles H. Wallace
Sylvester V. Williams
Laurin D. Woodworth

INDUSTRIES

Manager: James J. Rudisill
Raymond D. Anderson
Roy V. Gavert
*William D. Hall
†*Harry C. Hammann
*Holmes W. Lynn
Roy V. Mast
C. L. Mertens
Paul M. Stinchfield

MARGARET MORRISON

Manager: Margaret J. Griffin
Ruth Quick Bronson
†*Mary M. Danley
Adele Gumbert Fee
Eleanor Kerr Foster
*Susan E. Goodchild
†*Margaret J. Griffin
*Ethel Crawford Hall
Louise Irvin Hirsch
Bessie Finkelhor Kotzin
Agnes Russell Leet
†*Lois McCombs Leshner
Dorothy Turkle MacFadden
Louise Duff Moore
Helen A. Reitz
Gladys Sleppy Slonaker
Mildred Pollard Spencer
Sara C. Tesh
Mary L. Zahrobsky

1922

Am't Contributed \$2,682.00
Total in Class 253
1951-52 Contributors 55

ARTS

Manager: G. O. Schoonover
William M. Burke
R. B. Dunham
*Lazer L. Nusbaum
†*Casimir J. Pellegrini
Forrest O. Rennison
Robert B. Schell
*Charlotte M. Shuman
Charles H. Sorber
*Elwin M. Stults
Thomas G. Tiffany

ENGINEERING

Manager: Robert B. Nation
Ralph Baggaley, Jr.
Arthur L. Beck

†*H. Hamlin Burdick
John G. Byler
Charles A. Carney
*J. B. deM. Carvalho
Harold J. Clarke
Fred H. Fanning
Michael Garnic
Julius C. Gershon
W. M. Harrison
George A. Henderson
Horace H. Johnson
George L. Jordy
J. Morgan Kelley
John E. Kenney
William W. Macalpine
†*Paul F. Maurer
Edward B. McElroy
William A. McGill
Samuel A. Meyer
John F. Nation
H. B. Neiman
Julius H. Penske, Jr.
Hyman Rosenberg
Ralph M. Scherger
L. G. Seebach
*Harold D. Skyrn
John D. Spalding
*Fred O. Stebbins
Joseph A. Stein
William J. Thomas
†*Robert H. Watt
Elmer F. Weiss

INDUSTRIES

Manager: Paul J. Moore
†*O. Alfred Dickman
Carl A. Geib
Harold C. Godden
*Al C. Irwin

MARGARET MORRISON

Manager: H. Dorothy King
Anne D. Brumbaugh
*Ruth Anderson Clark
†*Josephine W. Dickman
Gertrude Baton Farris
Blanche Dotterway Grise
Gladys Darby Hayes
Marion Scull Howell
*Ruth Schenck Irwin
H. Dorothy King
Twila Davis Lundin
Helen Herb McAbee
*Helen Reed Mutch
Harriet Morgan Penney
Gladys Bogue Reilly
Laura Bugher Sillers
†*Charlotte L. Taw
Jeannette Palen Vandergrift

1923

Am't Contributed \$4,425.75
Total in Class 367
1951-52 Contributors 57

ARTS

Manager: John N. Franklin
†*Helen L. Allen
Malcolm C. Bert
Leo E. Considine
Dorothy Petgen de Haen
†*John N. Franklin
Fred E. Haller
O. Ladislav Helfenbein
Sarah West Johnson
†*H. C. Kreisle
Carl E. Landefeld
D. Donald McGervey
Rody Patterson
Howard K. Rathman
Victor H. Stromquist
Maurice G. Uslan

ENGINEERING

Manager: J. Tucker Ames
*George E. Adams
Franklin H. Allison
J. Tucker Ames
*William L. Arnold
Frank A. Baldus
†*M. R. Baum
Wilbur Carl
Harold J. Cass
*Michael Cohn
Herbert M. Cooley
*R. R. Dean
Lorin L. Ferrall
*M. L. Fisher
E. R. Gorman
Daniel M. Gray
*H. L. Griffin
*P. H. Hamill
James T. Hoffmann
*A. A. Karkalas
Francis G. Kredel

*E. J. Lowry
*William E. Lucas
†*Charles P. Marsden, Jr.
*A. S. Marthens
*Tajiro Masuno
Paul C. McKenzie
Kenneth T. Milne
*E. J. Nesper
*Thomas Peiffer
Herbert W. Peth
Arthur H. Prey
*Ed L. Reilly
*Wm. G. Rinehart
*Leslie C. Schweitzer
*Robert W. Sleath
*Earle E. Smith
*Walter D. Smith
Albin K. Strandberg
Oscar J. Swanson
†*Daniel W. Talbott
G. Nelson Thompson
*Wilmer H. Tucker

INDUSTRIES

Manager: Edward P. Geary
George Aderhold
Lawrence W. Bailey
Earl F. Beach
Barton L. Biever
Ralph L. Bussey
Alex Dittler
*A. K. Fischer
†*Edward P. Geary
Arthur W. Hedgren
S. E. Kovach, Jr.
Edward C. Linn
*B. F. Powrie
*Theodore S. Repplier
Arthur W. Smith
*Lincoln T. Young

MARGARET MORRISON

Manager: Grace E. Patterson
*Catherine Allen Bengs
Eleanor Craver Berglund
*Lenore Davies Ducklee
Dorothy Grant Hosford
Lucille M. Kuehnisen
*Katherine Miller Lahman
*Helen Lutton
Dorothea MacMinn
Mary E. Morrison
Mary Marshall Murphy
Grace E. Patterson
Lillian Coleman Roberts
Frances Hess Rockwell
Dorothea Levison Shapera
*Edna Alwine Vickers

1924

Am't Contributed \$1,481.50
Total in Class 325
1951-52 Contributors 42

ARTS

Manager: M. Arthur Brace
Bertha Ohmann Boyle
M. Arthur Brace
*Thelma L. Godden
Dorothy Kendall
*Pauline A. Meyer
Cora G. Pitcairn
Marie Kleye Silva
*Louis R. Turcotte

ENGINEERING

Manager: Douglas A. Schoerke
*Kenneth L. Arnold
†*Floyd W. Bremmer
*B. M. Broudy
*E. F. Brown
*G. L. Bruggemeier
†*C. C. Brumbaugh
John J. Callahan
†*Russell C. Clement
*G. B. Dodds
*John H. Ferguson
Richard R. Fitzsimmons
†*Thomas N. Griggs
J. John Harris
*R. H. Humbert
Enos M. Johnston
John W. Jones
*J. W. Kauffman
Earl R. Muddiman
*E. C. Ramage, Jr.
†*Ellis Robertson
Harold F. Rowley
†*A. D. Scheinman
†*Douglas A. Schoerke
*C. M. Senn
James C. Siegrist
George W. Stickley

Samuel J. Sugerman
 *A. C. Temmel
 *K. B. Tilbrook
 William A. Wills

INDUSTRIES

Manager: Samuel E. Dyke
 Ernest A. Berglund
 Mitford A. Buckley
 *C. A. Burnell
 Sam E. Dyke
 Joseph C. Eckel
 *F. M. Gore
 Charles J. Kuhn
 Samuel Lebon
 Harry B. Lilley
 Herbert L. Moersfelder
 *Arthur Reese
 Martin R. Schell
 *E. U. Sowers, II
 R. Maxwell Stevenson

MARGARET MORRISON

Manager:
 Mrs. E. W. Channing
 Louise Porter Berlin
 *Adah Borgerding Brownlee
 †Miriam Bond Channing
 Sara Lee Dougherty
 *Mildred Abel Krummell
 Florence Hill Lawler
 Mary Heilig Leonard
 Margaret Winstein Nichols
 Sarah Karstetter Scull
 Dorothy Wilson Stahl
 *Victoria Weedy Smith

1925

Am't Contributed \$1,032.50
 Total in Class 296
 1951-52 Contributors 38

ARTS

Manager: P. Hoffer Sload
 Curtis M. Colvin
 H. Walter Damon, Jr.
 Thomas B. Garman
 *Ruth Boyd Klemmer
 J. Richard Reed
 James R. Resley
 P. Hoffer Sload
 *C. R. Smith
 Anna Montgomery Wills
 *C. P. Zimmers

ENGINEERING

Manager: James M. Guthrie
 *Ben H. Aires
 *J. S. Ambrose
 †Wm. P. Bitler
 *A. C. Boucek
 *J. G. Bright
 William B. Fleming
 Edwin M. Ginsburg
 Abraham Grodner
 James M. Guthrie
 †John L. Holmquist
 †J. Wallace Hopkins
 †John D. Jarema
 J. Howard Joynet
 *Edward H. Klemmer
 *Lee A. Kline
 F. W. Klussmann
 Frederic M. McClelland
 H. J. McHenry
 David Moskovitz
 Charles J. Queenan
 †Frederick D. Rossini
 Charles A. Vana
 Otto W. Will, Jr.

INDUSTRIES

Manager: F. M. McGee
 James A. Barber
 Abraham A. Brown
 John W. Cramp
 *John W. Force
 John S. Gicking
 *John C. Good
 Adam S. Hahn
 F. M. McGee
 *A. E. Mellor
 Theodore Moessner
 Raymond F. Schmidt
 Carl Wingerson

MARGARET MORRISON

Manager: Rose Mary Morin
 Isabel Sowash Davis
 †Rose Mary Morin
 *Grace C. Munhall
 Louise Boggess Roberts
 *Mary D. Stuenpffe

Margaret McFall Tuthill
 Marion Keenoy Wagner

1926

Am't Contributed \$9,484.00
 Total in Class 314
 1951-52 Contributors 42

ARTS

Manager: William B. Simboli
 Richard H. Cutting
 William B. Simboli
 *Livonia Osborn Stevenson
 Harold E. Wagoner
 Earl G. Wheeler
 Helen E. White
 Robert R. Young

ENGINEERING

Manager: John M. O'Conner
 Alvah W. Bryant
 *F. W. Cook
 O. A. Eichenlaub
 Roman A. Eichenlaub
 *K. E. Gibson
 *Wm. S. Hobbs
 *L. N. Hollis
 Paul Johnner
 Leland E. Jones
 John H. Kinghorn
 L. E. Krebs
 Louis C. Lustenberger
 John W. McCredie
 Lawrence E. Ross
 Walter F. Senkus
 Howard W. Sippel
 Frank L. Wagner

INDUSTRIES

Manager:
 Merrill R. Thompson
 Alfred S. Andrews
 J. W. Early
 *R. B. McMinn
 C. A. Nimick
 C. Wallace Sandberg
 Harry H. Saul
 Albert E. Thomas
 Merrill R. Thompson

LIBRARY

Vera Ruth Tracy

MARGARET MORRISON

Manager: Hester E. Griffin
 Estelle Garibaldi Andrews
 †*Gladys Reynolds Bitler
 †Elizabeth Schwartz Brannon
 Mary Hulsman Drayne
 Martha P. Eggers
 Rue Swanson Eicher
 Tydfil Jones Fix
 Mary M. Fulton
 Charlotte Durie Garson
 *Mary Dale Gregg
 *Helen Eyster Hackett
 Gladys Iona Hill
 †*Miriam C. Kuehnisen
 Mabel McKee Power
 Elizabeth Gordon Sayre
 †*Rebecca Speers Schoerke
 Mary Quick Sylvester

1927

Am't Contributed \$1,061.00
 Total in Class 300
 1951-52 Contributors 43

ARTS

Manager:
 *Mrs. D. A. MacPherson
 Amelda R. Crichton
 Marion Powell Himmler
 Dorothea DeM. MacPherson
 Hymen Rosenberg
 Katherine Harrington Sload
 Laura Barnett Swaney
 Clarita Stevens Thayer
 Harding H. Thayer
 A. V. Wasson
 Marion Beeson Wasson
 Lloyd E. Yoder

ENGINEERING

Manager: Leonard C. Flowers
 *D. H. Benson
 Thomas F. Brastow
 John C. Cochrane
 Donald G. Dalton
 Leonard C. Flowers

*E. R. Jones
 Henry W. Kachel
 Francis A. Kolb
 *C. E. Peck
 Philip S. Riggs
 Edward A. Tobias
 Andrew L. Ward
 *G. O. Wessenauer

INDUSTRIES

Manager: John E. Mueller
 E. J. Cerutti
 Frank V. Golitz
 *N. G. McCombs
 Colin McInnes, Jr.
 Howard P. Meredith
 *Nelson P. Mitchell
 John E. Mueller
 George E. Sheer
 Robert H. Snyder
 J. N. Tilbrook
 Edgar D. Vandergrift
 Robert C. Warren
 Samuel Weil

LIBRARY

Rachel Bodine

MARGARET MORRISON

Manager:
 Mrs. D. S. Cunningham
 Jean Frommer Anderson
 Mary Cincsar Blankenship
 Grace Nutter Cunningham
 †*Dorothy E. Douglas
 Dr. Florence Gordon
 Ruth Hanley Keller
 Anna Milligan McElroy
 *Lillian Swabeck Munk
 *Elsie Lewis Murdock
 Virginia Wallis Palmer
 Alice Ribblett Pitchford
 Margaret Kauffman Rearick
 Anna Kress Smalstig

1928

Am't Contributed \$751.50
 Total in Class 331
 1951-52 Contributors 32

ARTS

Manager: Mark L. Seibert
 Russell P. Bullinger
 Herman H. Feldstein
 Jane M. Witherspoon

ENGINEERING

Manager: John F. Hotchkiss
 William L. Bell
 *F. G. Blackburn
 Clarence W. Brooks, Jr.
 Richard F. Connelly
 Fenton H. Finn
 John A. Hagan
 Beryl R. Hill
 *R. E. Holmes
 D. Paul Hoover
 John F. Hotchkiss
 Lawrence K. Jones
 *Howard S. Kaltenborn
 Glenn J. Moorhead
 Raymond A. Ransom
 Henry Seaman
 James F. Simpson
 Everett M. White
 John E. White

INDUSTRIES

Manager:
 Shelby A. McMillion
 Wayne W. Crouse
 Louis M. Feldstein
 Herbert S. Hiller
 Dwight W. Lewis
 Shelby A. McMillion

LIBRARY

Ina V. Hubbs

MARGARET MORRISON

Manager:
 Elizabeth L. Burkhouse
 Ruth Hoffman Armstrong
 Elizabeth L. Burkhouse
 *Dorothy R. Dunnells
 Shirley Edelstein Cohen
 Mary Hull Dyke
 Margaret S. Edmunds
 *Josephine Clark Fox
 Norma Kimball
 Charlotte W. McMillion
 Emily Kirsch Mulert

1929

Am't Contributed \$1,705.00
 Total in Class 351
 1951-52 Contributors 47

ARTS

Manager: A. E. Neff
 Jeannette Folmar Finn
 Paul L. Heath
 Joseph Hoover
 Thure M. Leivo
 Bert L. Lichtig
 Abram E. Neff
 Margaret Mansfield Riffle
 Nancy Maxwell Rose
 Dorothy Saunders Thomson
 Laura Bisell Wheeler

ENGINEERING

Manager: George M. Wile
 James Allison
 Walter Bronson
 John H. Collins
 William A. Conwell
 Selden I. Davis
 Franklin O. Fingles
 David P. Fitzsimmons
 Harold N. Gemmill
 *H. F. Greenman
 Lane Johnson, Jr.
 Robert R. Lockwood
 Thomas L. McCombs
 John N. Ralston
 Paul H. Resch
 Michael V. Smirnoff
 Russell M. Weigle
 Uncas A. Whitaker
 George M. Wile

INDUSTRIES

Manager: William M. McNeill
 Carl E. Blass
 Emil E. Gastgeb
 William M. McNeill
 S. R. Mielziner
 James H. Murphy
 Harry Sagan
 John Simcox
 Robert W. Wood

LIBRARY

Mary S. Fornwalt

MARGARET MORRISON

Manager: Mrs. Carl G. Miller
 Dorothy Roy Andersen
 Josephine Fresh Hopkins
 Gladys Conner Johnston
 Irene H. LaLonde
 Mary A. James Miller
 Dorothy Lutz Moore
 Henrietta Accipiter Parker
 Helen Bright Roy
 Harriet F. Snyderman
 Mary A. Bright Stott
 Margaret Anne Yarlett

1930

Am't Contributed \$1,529.38
 Total in Class 414
 1951-52 Contributors 60

ARTS

Manager:
 Richard W. Deverell
 Elizabeth Graf
 Mabel L. Platt
 Ralph Pomerance
 Thomas C. Pratt
 Walter S. Sample, Jr.
 Edwin M. Stitt
 Charles H. Stott
 Harry L. Widom
 J. Davis Wilson
 Theodore R. Zenk

ENGINEERING

Manager: Henry L. Bunker
 Adrian G. Allen
 Francis M. Arture
 William S. Bedell, Jr.
 †Henry Lloyd Bunker, Jr.
 Everett P. Carman
 J. S. Carpe
 Francis P. Collins
 Samuel P. Crago
 *J. E. Davies
 Charles F. Donohoe
 Roger Francis Ellis
 Frank E. Foote
 James P. Fugassi

Harold M. Hughes
 Paul T. Kuhnle
 Hyman J. Levison
 H. Russell Loxterman
 Richard D. Mayne
 William O. Murtland, Jr.
 Arne O. B. Olson
 Charles O. Rall
 Robert D. Rhoads
 Howard W. Shaffer
 H. Kenneth Siefers
 Howard M. Wilkoff

INDUSTRIES

Manager: James A. B. Ashwell
 Robert C. Avondo
 A. J. Bernet
 Robert H. Caffee
 William A. Crichley
 F. Raymond Doerr
 Gilbert R. Fuller
 Charles A. Hafer
 Michael Kirr
 Frank W. McCulloch
 William J. Phillips
 C. Lindsay Reno
 *N. W. Simons, Jr.
 Robert H. Wehrle
 Roderick J. Wiseman

MARGARET MORRISON

Manager: Mrs. Bruce Bowden
 Naomi E. Bitzer
 Mildred Bastian Bowden
 *Gertrude Gerheim Cameron
 Margaret Keenoy Connelly
 Helen Whitehill Crago
 Leah Keller Dietrich
 Vera G. Franklin
 Elizabeth Rankin Johnson
 Mary Hall Milliron
 Caroline Eyster Stroud
 Ruth A. Tejan
 Jean Gilbert Trimble
 Margaret M. Winters

1931

Am't Contributed \$873.88
 Total in Class 422
 1951-52 Contributors 57

ARTS

Manager:
 Vincent S. Broomhall
 Sybil Altman Berkman
 Paul F. Brautigam
 Margaret Kunkle Gilliland
 William A. Milliron
 Bernard E. Rowan
 Ella M. Schilling

ENGINEERING

Manager: C. Willard Bryant
 Richard H. Anderson
 Lawrence M. Baugh
 A. Zellers Bedell
 Henry C. Brown
 Charles K. Carter
 Marvin Fox
 James S. Gerber
 Alexander Haynes
 Thomas E. Hopkins
 Archibald Jones, Jr.
 James H. McAteer, Jr.
 Henry N. Meixner
 Robert E. Rinaker
 Timothy J. Scanlon
 Frank C. Sturges
 Emery H. Sutch
 Harry R. Wall
 Leland M. Weed
 John A. Willis, Jr.

INDUSTRIES

Manager: James F. Traa
 Albert F. Barett
 Adamont F. Colonna
 Joseph L. Cooke
 Allen F. Crawford
 A. S. Eison
 Philip R. Magnuson
 Edward J. Morris
 Lester E. Neely
 Norman Schreiber
 John G. Smith
 James F. Traa
 Penn R. Watson, Jr.
 George Zupanic

LIBRARY

Janet W. Acheson
 Kathryn H. Wead

MARGARET MORRISON

Manager:
Grace L. Borgerding
*Grace L. Borgerding
Margaret Jackson Campbell
Elinor Paige Eberle
Elinor Kohn Frank
Marcella Cohen Goldberg
*Eliz. Dunnells Greulich
Eliz. Pearsall Hartner
Ursula S. Henderson
Ruth Lieberman Levar
Carolyn E. Lyon
Sally Hall Merry
Laura Otte Morris
Tressa H. Petrick
Billy Bair Pratt
Doris Mather Rinaker
Elizabeth B. Steele
Betty Moore Willcox
Grace A. Wolf

1932

Am't Contributed \$929.50
Total in Class 428
1951-52 Contributors 58

ARTS

Manager: Mrs. Loftus Becker
Ellen Van der Voort Becker
Mario C. Celli
Albert K. End
Roger W. Ingham
Norman B. Kuhn
Margery Lewine Malsin
Jean Marie McGirr
Ralph Pelton
John M. Pinney
David W. Seville, II
Sebastian J. Tauriello
Edythe Tenney

ENGINEERING

Manager: Carl J. W. Long
Alberto R. V. Arellano
R. E. Campbell
Ralph Cobey
Donald E. Corbett
Carl N. Hazlewood
Rudolph F. Hilbert
Richard S. Hoover
Thomas C. Hower
Llewellyn E. Hoyer
E. H. Keller
Harry D. Kolb
Carl J. W. Long
Chauncey O. Miller
Frederick R. Millhiser
Jack E. Morris
Virgil A. Romito
Herman Silver
Edward J. Steiner
Fred B. Stitt
Paul C. Swiech
James W. Weaver

INDUSTRIES

Manager: Harvey A. Collins
William L. Barton
Harvey A. Collins
Charles A. Evans
Roy A. Gilliland
George G. Gyekis
Irwin G. Jalonack
Ernest H. Price
Henry J. Schultz
Richard Turner
Joseph F. Weiler
Harry J. Ziegler

LIBRARY

Alice V. Neil

MARGARET MORRISON

Manager: Mrs. R. J. Duffin
Thelma Laylander Chandler
Helen Dove Dehne
Jeanne Hartman Duffin
Jane Croyle Ford
Thelma E. Hentschel
Mary McKeon Kolb
Mary Louise Milligan
Dorothy E. Pritchard
*Frances Graham Ray
Nancy Sloan Sutch
I. Dorothy Taylor
Mildred C. White
Margaret Accipiter Young

1933

Am't Contributed \$703.00
Total in Class 399
1951-52 Contributors 54

ARTS

Manager: W. Fred Flaherty
Ferna Young Kuhn
Alberta K. Meadowcroft
Helen Sisenwain Rau
R. Vaughan Rogers
George D. Smith, Jr.

ENGINEERING

Manager: L. E. Dempsey
Robert C. Barker
John J. Boyle
Markley C. Craven
Richard H. Hopkins
Robert A. Hutchison
S. J. Hyle
Frank R. Keller
Kenneth M. Kirkland
Harry R. Krider
Robert V. Lackner
John C. Lightfoot
Edward L. McCandless
Louis N. McDonald, Jr.
Harry P. Miller, Jr.
Daniel Nagy
William H. Nichols
Thomas J. O'Donnell
Charles C. Richiusa
Clarence H. Sander
G. Wilson Scott
David O. Stern
Wilfred R. Uffelman
Nicholas A. Ventura
Jonathan S. White
Harry F. Zinsser

INDUSTRIES

Manager: Thomas H. Coulter
James A. Corrigan
Thomas H. Coulter
William Finglass
John L. Kronenberg
J. Paul Whitehead

LIBRARY

Pearl Durst

MARGARET MORRISON

Manager: Mrs. James F. Traa
Aline Ross Bethune
Edith Hepner Carpe
Dolly Allison DuFrau
Velma Krasik Esman
Isabelle Weston Feller
Kay Wholey Haney
Mary Jane Gray Lightfoot
Betty Preller Mosher
Esther L. Petrick
Ann Warden Seip
Sarah C. Shaulis
Catharine M. Simpson
Mary Townsend Summers
Marion McNary Traa
Mary Bradstock Travis
Margaret Ralston Wherry
Rosetta Connolly Wollett
Marion Edwards Zenk

1934

Am't Contributed \$374.00
Total in Class 407
1951-52 Contributors 32

ARTS

Manager: Mrs. L. E. Egerman
E. J. Bocchicchio
Rosemary S. Buckwalter
Dorothy Devlin Cross
Jeannette Fischel Egerman
Robert Gruen
Benjamin A. Hoffman
Katharine Doty Sharp

ENGINEERING

Manager: John Sayles
Charles E. Beedle
Kenneth G. Carroll
Emerson D. Gerhardt
John E. Gray
James E. Halferty
Harry Hower
Edward C. Marshall
A. Stewart Murray
Carl W. Oettinger
Fernando C. Perez
Grant Wilbur Ramsey
William E. Sample
John Sayles

Raymond H. Schaefer
Francis J. Staudt
William S. Walker
Forrest H. Williams

INDUSTRIES

Robert M. DuBois
Sidney M. Feldman
Raymond E. Towne

MARGARET MORRISON

Manager: Mrs. John H. Barr
Jean Half Greenberger
Eugenie Harper
Helen Schneider Moore
Martha Robinson Ritter
Veronica Volpe

1935

Am't Contributed \$559.50
Total in Class 379
1951-52 Contributors 47

ARTS

Managers:
Mrs. J. Kenneth Walker
Isabel Shelton Fairchild
William V. Flynn
Lillian Starzynski Iversen
Albert O. Jenkins
Paul B. Kiel
F. A. Roy Minet
George Sowash
A. J. Speyer
D. Coder Taylor
Dorothy Davis Thomas
Thomas R. Wardell

ENGINEERING

Manager:
Donald L. Ashbaugh
Edward J. Baltrusaitis
William H. Bessey
William F. Carenbauer
Charles E. Crede
Theodore G. Daub, Jr.
Fred S. Dubin
John A. Eckel
Wallis S. Hamilton
Paul W. Koenemund
William G. Kulesz
Guthrie M. Mitchell
Dan McGrew Newell
Alfred A. Nickel
Patrick Norelli
Gordon J. Rodenberg
Herbert F. Schwarz
John J. S. Sebastian
Leon Siegel
William H. Stafford
Gerald H. Terrill
August E. Vandale
Michael Voytilla
Thaddeus J. Werner
Warren M. Wilson

LIBRARY

Adele H. Brown

MARGARET MORRISON

Manager:
Mrs. George C. Norman
Thelma Shelly Bessey
Sarah Murray Brown
Marcella Withum Finn
Gwen Haddock McQuade
Evelyn Mason Nee
Margaret Watters Norman
Miriam Mellon Pennoyer
Miriam Malakoff Steinert
Mary Wynne Thomas
Patricia Witherow

1936

Am't Contributed \$1,037.50
Total in Class 392
1951-52 Contributors 63

ARTS

Manager: Carl M. Dozer
William S. Carlson
Sarabel B. Florsheim
Charles S. Florsheim
C. Susan Fuller
Edward W. Garbett
Rose Marie Grentzer
George M. Koren

ENGINEERING

Manager: Robert P. Greiner
F. E. Abrino
Walter F. Applegate

John Babin
Carl A. Boehme
Harry R. Cameron
John R. Churchill
John W. Dashiell
Ralph C. Davis
George A. Deemer
Albert R. Dervaes
Lewis H. Dunn
Robert H. Eberle
John W. Ewalt
Edwin W. Ford
Leonard Friedman
John L. Frisse
Paul J. Galbreath
Robert P. Greiner
Lawrence B. Grella
Irving B. Gruber
Robert W. Halli
S. Donald Hershey
James M. Latta
Charles H. Leatham
Libbus Lewis
Ronald B. Lias
J. Francis Maloney
Edgar J. Meyer
J. E. Mihm
Philip Morrison
George W. Nagel
Alexander Paul
Edmund R. Peay
John Richmond
Gerard I. Sawyer
Graham E. Simpson
George F. Sperhac
Peter H. Wyckoff

MARGARET MORRISON

Manager:
Mrs. Robert B. Parker
Harriet Rodenbaugh Colvin
Jannette Black Hazlewood
Lucille Meyer Hutchins
Elizabeth Lehr Kellogg
Jane Schornagle Kelly
Helen Nied Lauterbach
Emily Kramer Morrison
Margaret McKeon Munsch
Mary Wettach Parker
Margaretta Phillips
Margaretha Nichol Sawyer
Clara Hall Sharp
Marjorie Green Shoemaker
Emily Bumgarner Shomo
Jessie L. Stocking
Jessie Brown Turner
Mildred Hollander Tynberg
Elizabeth West Zern

1937

Am't Contributed \$992.00
Total in Class 378
1951-52 Contributors 35

ARTS

Henry T. Elden
Wesley J. Henger
Rose Serrao Jenkins
Drabelle MacDonald

ENGINEERING

Manager: James I. Bevan
Paul H. Baldwin
William S. Beall
James I. Bevan
Leonard Braunstein
John W. Brumbaugh
S. F. Eannarino
Otto T. B. Ehlers
Simon Felser
J. F. Rabardy Floyd
Louis M. Gandelman
Robert R. Kable
Michael E. Kundick
Jesse J. Lehman
Howard L. Malakoff
James G. Meenan
Alan F. Meyers
W. Jerome Peterson
Raymond M. Reisacher
Henry Roland
George R. Sanborn
Harry A. Severn
Leslie C. Shomo

MARGARET MORRISON

Manager:
Mrs. George E. Flaccus
Sara E. Bray
Anne Challinor Darling
Helen McCrea Greiner
Ruth Nichols Hughes
Mary W. Jahn

Marion Spellmire Robertson
Louise S. Ventura
Adelaide R. Williams
Margaret Brown Williams

1938

Am't Contributed \$675.25
Total in Class 376
1951-52 Contributors 44

ARTS

Manager:
Mrs. Clarke M. Carlisle
Jane Harold Bowers
Florence Ingham Carlisle
Mary L. Brown Parrish
Margery A. Updegraff

ENGINEERING

Manager: James D. Sands
Ralph W. Babcock, Jr.
Marshall G. Baldwin
Charles I. Beard
George L. Bennett
Frederick J. Bordt
Edward M. Boykin
O. Craig Fay
Arthur W. Gehron
Bernard J. Greenberg
C. Robert Hall
Leonard Hardis
J. Frank Hess
Thomas J. Landau
Charles E. Loughney, Jr.
A. W. McGuire
Robert S. Miles
Leo Napotnik
Walter P. Reid
Norman Shorr
Dan A. Sutch
James H. Sutherland
Donald E. Vierling
Robert G. Weber
Bernard C. White
George H. Winslow

MARGARET MORRISON

Manager:
Mrs. Edward J. Kreh, Jr.
Elizabeth M. Bader
Katherine Thomas Bordt
Caroline Clark Brandon
Elizabeth Crannell Brown
Tacy Snyder Coleman
Janet McVicar Fugassi
Grace E. Griffin
Opal Harned
Hilda Rugh Lewis
Sylvia Odle Lilley
Hazel Stine Nicklaus
Sarah Blum Qualtrough
Myra E. Shull
Joan Kuhn Thomas
Margaret Trimble Williams

1939

Am't Contributed \$424.00
Total in Class 401
1951-52 Contributors 50

ARTS

Manager: Fred E. Graff
Timothy S. Denke
Wanda Warren Pileggi
Irene O'Brien Ryan
Virginia Maxwell Switten
John Vlahos
Evelyn Dumont Woelker

ENGINEERING

Manager: Carl T. Haller, Jr.
Clyde M. Alston
William S. Bean, III
B. Wayne Beglin
Robert C. Byers
John C. Cacheris
John M. Depp
James T. Duncan
Harry J. Friedman
Thomas J. Gibbons
Joseph M. Gray
Carl T. Haller, Jr.
Eugene E. Hamlin, Jr.
Sidney Hantman
William E. Johnston
Robert C. Leech
John W. Logan, Jr.
William L. McGaw, Jr.
Charles Nichol
Harry M. Schadel, Jr.
Frank Silber

Lester R. Smith
Robert Steinman
Kenneth J. Vogel
Wayne E. Wetzel
Richard Wetzig
Henry L. Wojcik

LIBRARY

Frances Bailey Clegg

MARGARET MORRISON

Manager:

Mrs. John Murrin, IV
Elsie Harrington Beglin
Elizabeth A. Corrin
Ruth MacDonald Dillon
Elizabeth Winner Frisse
Alice L. Geyer
Rosalie Robbins Greenberg
Jane Moon Herre
Irene Grieve McLenahan
Mary Charters McMunn
Jane Meuser
Nancy McKenna Murrin
Reeva Pearlstein
Thelma A. Quicke
Betty Mathewson Roberts
Mary Babic Terbovic
Mary A. Cochran Wetzig
Mary Shibley Wilson

1940

Am't Contributed \$1,026.00
Total in Class 434
1951-52 Contributors 64

ARTS

Manager:

Mrs. Hugh A. Heller
Marjorie Bandman
Marcelle Feiner Felser
Esther Amsler Heller
Edith Knorr O'Loughlin
Sara Jones Steber
Joseph P. Wilson

ENGINEERING

Manager: Chas. D. Henderson

C. Robert Austin, Jr.
Robert W. Auxier
John K. Bateman
Arthur B. Blockside, Jr.
John T. Bohn
W. O. Breuhau
Arthur C. Burlleigh, Jr.
Ralph W. Clark
Robert A. Colton
William J. Dixon
William M. Eichleay
Herbert J. Fair
Charles D. Henderson
Harold Hirsch
Harry E. Hotz
Lee P. Johns
William M. Kidney
William A. Kirsch
Russell C. Krueger
Fred S. Landis
Richard J. Latta
David Y. Liversidge
Hugh C. Minton, Jr.
Vincent M. Morrissey
George A. Mosites
J. Rodger Nesbit
Roger A. Newburger
Tom T. Omori
John P. Reed
Ross W. Rotzler
Carl A. Schulz
Joseph W. Schwartz
W. Mark Shaw
William H. Statler
Franklin E. Sturgeon, Jr.
James W. Taylor
James P. Tumpance, Jr.
James B. Whittum
William L. Williams, III
A. G. Williamson, Jr.
James S. Wolff
Richard K. Yardumian
William O. Zimmerman

MARGARET MORRISON

Manager: Mrs. Alan S. Dodds

Mary Thomas Allen
Ann Androso
Ethel Deemer Depp
Jeanne Ditzler Dodds
Eleanor Carlock Donaldson
Judyn West Flahault
Phyllis Roth Green
Aarone Deroy Gruber
Betty Cummins Heppel

Ann Hersperger Keyes
Dorothy Douthett Shaw
Dorothea Weber Statler
Elizabeth Gibson Stover
Ruth Moss Sweedler
Frances L. Zahrobsky

1941

Am't Contributed \$456.50
Total in Class 426
1951-52 Contributors 37

ARTS

Manager:

Mrs. Wm. S. Bean, III
Merry Slocum Bean
Alan S. Dodds
Frank B. Durkee, Jr.
John E. Purcell
James J. Stevenson

ENGINEERING

Manager: William W. Floyd

E. Edwin Banks
William L. Barr
Roland A. Block
Randall J. Burch
Joseph A. Cameron
C. A. Cardarelli
Howard L. Cooper
Randolph R. Creed
Ralph E. Davies
Lawrence R. Greenhaus
William P. Hall
Kurth H. Johnson
Ralph B. Martin
William L. Martin
H. William Prengle, Jr.
Walter Pretzart
Theodore A. Pruger
Harry B. Stewart, Jr.
Donald E. Stingel
Joseph M. Tilton, Jr.
Charles A. Vencill
Christian G. Weeber
Wilbur R. Weller

MARGARET MORRISON

Manager:

Mrs. Herbert A. Searle
Elizabeth Moyer Eyer
Mary Ella Graham
Maita Sivitz Levine
Hilda Horner McCreight
Katherine Freese Murray
Jeanne Fox Ross
Eleanor Oshry Shatzkin
Mary Lou Crago Taylor
Theresa Dumont Tumpance

1942

Am't Contributed \$749.50
Total in Class 452
1951-52 Contributors 57

ARTS

Manager: Lois E. Barber

Lois E. Barber
Lawrence A. DeSimone
Marvin D. Einhorn
Ann Gaylord
Margaret Young Krider

ENGINEERING

Manager: Daniel L. Horigan

Frank C. Alexander
Dee J. Andella
Robert E. Beck
Charles R. Braun, Jr.
John S. Burdick
Samuel C. Colbeck
Charles T. Dierker
Robert G. Dorio
John W. Gower
Arthur E. Handlos
William L. Hanna
E. F. Harchelroad
Alvin R. Haven
Daniel L. Horigan
Charles E. Kaufman
Roland P. Kelly
Thomas W. Kirby
George W. Kross, Jr.
H. Clay Lewis
Murray Leiblich
Abraham Lipsick
William J. Mattern
Robert H. McBride
James M. McDowell
David H. Miller
Earl E. Morton
Robert E. Needham

John T. O'Brien
John K. Quermann
Thomas B. Riley
John L. Schoderbek
Ivan P. Sivacheck
Robert E. Span
Edward N. Spryer, Jr.
S. Edmund Watters
Richard T. Weber
Stanley E. Weinthal
Howard W. Weiser

MARGARET MORRISON

Manager:

Mrs. Andrew B. Potter
Joan Strauss Bluestein
Dorothy M. Connelly
Ruth B. Debussohere
Claramae Mackey Hall
Mary Lendenski Kelly
Ann E. Konstan
Anna Kukic
Helen Z. Liversidge
Joanne Tishlarich Luther
Ruth Furman Miller
Shirley Bernstein Robock
Norma Squitieri Rocchini
Dorothy Cole Schlepper
Edna Stewart Shupala

1943

Am't Contributed \$542.00
Total in Class 504
1951-52 Contributors 60

ARTS

Manager: Mrs. E. R. Schatz

Catharine L. Cummins
C. B. Kearfott, Jr.
Allen E. Kubach
Allison J. Meyer
Virginia Wright Schatz
Richard E. Williams
Marjorie W. Woodside

ENGINEERING

Manager: Vernon R. Spitaleri

Hugo A. Barbain
David E. Boyd
Philip R. Britnell
Warren J. Brooks
H. Harold Bulkowski
William C. Cochran
H. Nelson Crooks
G. William Davis
David A. Drewery
Max Fishman
William J. Furlick
Charles M. Gilman
Walter W. Haller, Jr.
Stephen H. Harwig
William C. Heer
Paul G. Hetzler
George S. Hobbs
William C. King
Harold O. Levitt
Daniel B. Lindstrom
William R. Lloyd
Edward A. Macha
Willis C. Marlatt
Frederick T. McQuilkin
Steven A. Parks
Vasil Philipchuk
Wallace B. Sadauskas
Edward R. Schatz
Vernon R. Spitaleri
Gerald S. Steffey
Frank L. Stulen
Nicholas F. Teresi
Richard C. Trimble
John C. Van Arsdell, Jr.
Robert L. Weise
Leonard K. Williams

MARGARET MORRISON

Manager: Mrs. Edw. P. Lynch

Patricia Elman Bildner
Betty H. Byers
Margaret A. Carver
Lucille Orr Crooks
Eleanor Lloyd Drewery
Dorothy E. Fisher
Jean E. Flegal
Louise Zonge Hobbs
Doris Berg Kauffman
Sylvia Linder Mason
Elizabeth Buckman Mohr
Ruth Doll Moran
Mary DeMaria Nocco
Carolyn Bortz Ollett
Ann Edith Rea
Luth M. Rotzler
Lois M. Shupe

1944

Am't Contributed \$567.00
Total in Class 388
1951-52 Contributors 51

ARTS

Manager: Mrs. Clifford Pascoe

Anne Alexander Einhorn
Katherine Pantazi Pascoe

ENGINEERING

Manager: P. J. Delvernois, Jr.

Jerome Apt, Jr.
Stephen Baranet
Paul H. Bluestein
Robert D. Brill
Theodore C. Bryson
Robert E. Christian
Frederick C. Corey
Edward J. Croop
Philip J. Delvernois, Jr.
Robert M. Dodds
Karl J. Ferrell
Charles G. Frost
Charles R. Frownfelter
James C. Hamilton
William C. Heller
Julius J. Hirschfield
Arnold L. Horelick
Harry B. Hunter
Edward M. McGehee
Maurice L. Mednick
Irving S. Palefsky
Robert G. Redelfs
Harry Reese, Jr.
James K. Rice
Herbert A. Robinson
Philip H. Rose
Lawrence Rudick
Harold C. Schweinler
William H. Shepard
David C. Starr
William H. Steele
Newton N. Teichmann
Wilbur C. Thomas
Howard C. Volkin
Robert S. Whiteside
William V. Wolfe

MARGARET MORRISON

Manager: Sarah E. Osborn

Winifred Brozda Bobula
Miriam Fischer Bolduan
Harriet Levison Cohen
Ruth Borgman Connolly
Elizabeth Ann Depp
Mary Lee Galvin Evans
Doris G. Francis
Mary Marlier Klimas
Janet Denslow Landerl
Ruth Means Langstaff
Sarah E. Osborn
Marion Hover Shafer
Joy Swan Wolfarth

1945

Am't Contributed \$252.00
Total in Class 347
1951-52 Contributors 39

ARTS

Manager: Mrs. Jas. H. Stoltz

Isabel Munster Boardman
Patricia Ryan MacLeod
Patricia Delehaunty Moran
Suzanne Maimin Seton
Eleanor Wilson Stoltz

ENGINEERING

Manager: Thomas P. Bokman

Theodore M. Bellan
Michael C. Bianco
Lo Ching Chang
Leo Cohen
Richard L. DeMuesy
John F. Drenning
Robert S. Herrod
Leon G. Levy
John C. Lorenz
Eugene F. Lucas
Sidney D. Millstone
Albert J. Nelesen, Jr.
Leonard J. Ortino
Robert P. Smith
Alfred A. Steinman
John R. Woodside

MARGARET MORRISON

Dorothy Stauff Corey
Ruth Haus Croop
Delberta Holtzhauer Edgar
Zureta Timberlake Evans

Elizabeth L. Fareri
Carol F. Ford
Helen McKean Formanek
Dorothy Anne Goldman
Jean Metzger Harris
Kathryn Truxell Macdonald
Norma Tessmer McBride
Louise Hartmeyer Moffitt
Nancy Hertz Muskin
Marjorie W. Nelesen
Helen Robinson Rhodes
Mary Jane Forman Rice
Lila Oyen Schadel
Samantha E. Simpson

1946

Am't Contributed \$299.00
Total in Class 416
1951-52 Contributors 44

ARTS

Manager:

Mrs. David T. Lloyd
Mary Fenati
John B. Hackler
Eleanor Yorke Lucas
Louise Koening Teichmann

ENGINEERING

Manager: Geo. W. Marshall

Harry Bahrenburg
R. Louis Bright
Leonard Chottiner
John R. Clarke
Edith Succop Dibble
John C. Dorfman
Charles W. Duffett
Wilbert H. Ferguson
John T. Fleck
Donald C. Franz
Davis B. Jones, Jr.
Carl A. Keyser
William H. Kuenzli
Aaron J. Latkin
James C. Lee
Robert M. Linsmayer
George S. MacLeod
Robert L. Marcus
William R. Moore
Robert K. Noyes
Gerald G. O'Brien
Arthur E. Ross
Carl E. Sinnett
William M. Taylor
Fred L. Vichich
Bohdan Yagello

MARGARET MORRISON

Manager:

Mrs. Robert E. Widmer
Anne Atkinson Arnest
Madelin I. Bechtle
Anne Benko Benson
Helen Jaffurs Cacheris
Alice Blum Carmody
M. Ruth Flanagan
Dorothy F. Hartstein
Stephanie Kwolek
Letitia B. Mahaffey
L. Frederica Murray
Martha Wagman Rothman
Martha Tunstall
Doris Bowman Vencill
Shirley Swaney Wolfe

1947

Am't Contributed \$515.50
Total in Class 580
1951-52 Contributors 57

ARTS

Manager: James B. F. Boyce

Helen Wasserman Bellan
Paul W. Buechler
Jacqueline Vloskamp Dolan
Eugene R. Myers
Theodore W. Ripper
Merle T. Westlake, Jr.

ENGINEERING

Manager: James D. Garner

E. M. Abramson
Meyer R. Achter
Joseph J. Agardy
Richard B. Arnold
Thomas Bright
Quincy P. Carvel, II
V. Robert Ciccone
Robert J. Duncan
Albert C. Flanders
Sheldon H. Goldstein
Fred E. Harlan, Jr.
Joseph U. Kauffman, Jr.
Richard D. Kennedy

Howard B. Kerr, Jr.
Kenneth M. King
Kenneth Lipman
Joseph P. Luther
Allen E. Martin
Thomas B. McIntire, Jr.
Edwin G. Meyer
Edgar A. Pearlstein
Andrew J. Pepper
Milton J. Perloff
C. L. Rapp
John M. Rowley
Paul J. Savage
David M. Schiller
Lawrence S. Schneirov
Benjamin L. Schwartz
Frederick A. Sorensen
Audrey Hobe Steadman
Robert C. Straka, Jr.
Clarence H. Toensing
Edward Von Halle
Gordon A. Wilson, Jr.

MARGARET MORRISON

Manager: Mrs. George J. Bennett
Marian Schwartz Beck
Helen L. Biesecker
Mary Thompson Buechler
Eleanor Jackson Burt
Colette F. Carpenter
Camille M. Christensen
Lucille Emmel Kerr
Velma Latterman Levy
Mary Rapach Mathias
Anita Newell
Sara Leight Rowley
Norma Streicher Stearns
Jeanne Hecht Steele
June Hawk Stewart
Margaret Harris White
Jean Dorothy Woods

1948

Am't Contributed \$651.98
Total in Class 732
1951-52 Contributors 65

ARTS

Manager: Mrs. John B. Hackler
William E. Evans
Patricia Baum Hackler
Hilda Ann Hazo
Stuart S. Williams

ENGINEERING

Manager: Chas. E. Peterson
Donald E. Abell
Bernard W. Bace
Robert B. Bartemus
David L. Berry
Peter C. Bertelson
Wm. H. Bickerstaff
Adolph A. Biss
Richard B. Brown, Jr.
Richard O. Burk
Lee S. Daniels
James O. Denny
Theodore R. Dibble
Frederick A. Dolan, Jr.
Chester C. Edmunds
David R. Fee
Milton I. Friedman
Carl M. Friedrich
Edwin H. Fritz
Howard M. Gartner
Harold G. Hall
Robert E. Hammer
Gordon E. Holmes
F. N. Houser, Jr.
Samuel S. Marcus
Vytautas Mazeika
James K. McNeal, III
Howard P. Morrison
Bruce A. Murray
Howard B. Palmer
Graham A. Renberg
Howard M. Robinson
Theodore E. Ross
George H. Royer
Ellis B. Salloway
Paul F. Schucker, Jr.
Albert C. Sellke
Ralph A. Simon
Robert H. Smith
James E. Sunder
Lawrence O. Tambellini
Edward James Vidt
William W. Willoughby

LIBRARY

Mary Tice Scarlott
Doris Lingenfelder Shreve
M. Elizabeth Thompson

MARGARET MORRISON

Manager: Mary E. Roney
Justine Garnic Archer
Marcia B. Gingold
Doris Friedlander Graff
Jacqueline L. Houser
Portia E. Kieser
Joan Lowe
Emmy Taylor MacWilliams
Audrey Wilkins Mertz
Rosemarie Knott Paustian
Patricia Sherman Ritchie
Mary E. Roney
Phyllis Grant Silverman
Lois White Tarbox
Katherine Glass Trecartin
Marjorie L. Wallace
Louise Hamer Warner

1949

Am't Contributed \$570.00
Total in Class 749
1951-52 Contributors 69

ARTS

Manager: George E. Yurchison
William D. Benswanger
Shirley A. Christjohn
George D. Corrin, Jr.
Vivian Fay Grove
Robert Grove
Margaret Dunlap Herrod
Patricia A. Johnson
Charles A. Orbell, Jr.
Sidney A. Weiss

ENGINEERING

Manager: Robert W. Johnson
Otto W. Abraham
Mervin S. Allhouse, Jr.
David H. Archer
Gifford W. Baker
Rolland W. Beatty
Paul R. Bolton
Robert A. Boyer
Glenn G. Ertell
Thomas H. Fisher
John K. Fockler
Robert O. Fox
Albert G. Grindell
Paul G. Hanna
Richard J. Heh
Richard W. Herrmann
William G. Johns
John G. Johnson
Robert W. Johnson
Leonard J. Kroko
Carl F. Levy
Lew Melnyk
John S. Metcalf
Wendell Minor
Donald L. Owens
Robert J. Paustian
Eugene L. Recchion
Paul J. Schuler
John E. Sensi
Harry J. Silverman
Ronald J. Solomon
James H. Stoltz
John F. Tattersall
Sylvester M. Ulicny

Frank L. Wagner
David L. Wallace
Lee M. Wiley
Joseph H. Wilson
Leo E. Wilson
Haydn V. Wright

MARGARET MORRISON

Manager: Mrs. H. W. Davies
Dolores Mae Beljan
Jane Gavert Duffett
Grace W. Ferrero
Rebecca B. Fogg
Jeanne E. Gannon
Janet Y. Gephardt
Alice E. Haggerty
Theresa A. Howard
Laurel J. Jones
Beryl J. Kuhlman
Doris Moore Malter
Lois A. Morris
Rose A. Pavia
Sara A. Schiever
Suzanne Harold Schiller
Shirley Seiner Silverman
Ruth E. Smith
Jean Croushore Sunder
Diana A. Verbisk
E. Ruth Weinstein
Marjorie J. Wymard

1950

Am't Contributed \$1,311.00
Total in Class 942
1951-52 Contributors 114

ARTS

Manager: Charles W. Tritle
James V. Bonomo
A. Starke Drischell
W. Richard Duer
William R. Evans
William E. Lindberg
Dale Lehman Stein
Herbert A. Wilson

ENGINEERING

Manager: Ralph R. Ryan
Peter J. Accorti
Pierre J. Allarousse
Anonymous
Gilbert R. Atwood
Leonard J. Bachman
Mary Louise Bacon
Bruce B. Barrow
William J. Berger
John E. Betza
Ronald E. Bish
Robert F. Bishop
Albert W. Bitzer
Walter J. Blenko, Jr.
John A. Brown
Robert F. Burke
William J. Casper
Ferris S. Chandler, Jr.
James E. Chikar
Ralph R. Cicerchi
W. McMaster Clarke
Robert J. Cloud
John F. Collins
Michael S. Costa

Thomas L. Cramer
Harold Cunha
Thomas Cuscino
Delmer C. Dague
John DeMaria
Richard C. DiPrima
Vincent W. Donato
Charles J. Eardley
William Louis Egri
Burton L. Epstein
Thomas G. Ferguson, Jr.
Stanley T. Gadomski
Julian A. Gotkiewicz
Richard T. Gray
Edwin M. Griffin
David E. Harris
James M. Haushalter
D. Williams Hiott
E. E. Johnson, Jr.
Loren J. Karabin
David E. Kinney
Charles J. Koester
Harry Kowalcheck
William N. Lambert
Robert L. Landis
Robert L. Larson
Fred D. Leonard
Robert W. Lerch
William J. Lewis, Jr.
Joseph A. McCandless
James A. McKennan
James C. Meade
Glenn Everet Mikaloff
Albert R. Miller
Howard H. Morgan, Jr.
Charles W. Norris
Walter Oboryshko
Roger D. Olleman
Gerald E. Peck
Pierre D. Poux
George E. Pugh
Harold R. Rex
James H. Ritchie
Robert E. Ross
Marvin A. Roth
Robert D. Rung
Ralph R. Ryan
Bertram J. Sayles, Jr.
Carl O. Schwarz
Louis R. Shaffer
F. Beckley Smith, Jr.
John W. Snyder
Miller B. Spangler
Louis P. Stanisha
William H. Warner
James C. Warters
Howard N. Watrous
Francis J. Wesolowski
Don J. Wickizer, Jr.
Richard C. Williams
Albert E. Yarian
Albert R. Zelt, Jr.

LIBRARY

Margena A. Doellinger
MARGARET MORRISON
Elinor Lloyd Augenstein
Barbara M. Bollinger
Marjorie Power Clarke
Pauline M. Clyde
Naomi I. Condra
Rosemary T. DeBortoli

Eugenie Kober Ferrell
R. Maxine Fierst
Suzanne Flood
Analee T. Gelman
Roselyn M. Mervis
Nancy Jane Montgomery
Mary Murdoch Patterson
Anne Griffin Peck
Angela Rose Pollis
Margaret S. Rae
Hilda Novak Rupert
Janet Portmann Simon
Anita L. Tabellini
Patricia Roney Wettach
Deloris Moxley Wickizer

1951

Am't Contributed \$296.82
Total in Class 764
1951-52 Contributors 46

ARTS

John D. Bishop
Janice Seiner Colker
Roland W. Dollhopf
William W. Jamison, II

ENGINEERING

John W. Andrews
Arnold P. Anex
Keith W. Bradley
George E. Coyle, III
Benjamin A. Eynon
Richard G. Frost
Robert W. Fullerton
Albert I. Geyser
Richard H. Holl
Paul Horn
Joseph J. King
Andrew J. Lichy
Robert W. Mallory
Melvin F. Markey
Paul R. McClafferty
Howard O. Mielke
Merrill E. Muttart
Ralph R. Paul
E. Robert Powers
Arnold W. Slifkin
Leonard E. Smollen
John J. Stapleton
David S. Steiner
Paul E. Timmerman
Joseph J. Weinreich
Floyd L. Wiseman
Evan W. Wood

MARGARET MORRISON

Anonymous
Carolyn S. Bridgens
Mary L. Cauffield
Hilda L. Chottiner
Louisa R. Danks
Barbara E. Davis
Caroline M. DeVal
Pat Snedden Drischell
Sarah Zeman Haushalter
Dolores I. Kunde
Ella Baum McWilliams
Mary Grosswege Mengato
Norma Blackmore Pugh
Frances H. Turosak
Elizabeth D. Wiese

HOW DID THEY GIVE?

Year		0 to \$5.00	\$5.00 to 10.00	\$10.00 to 25.00	\$25.00 to 50.00	\$50.00 to 100.00	\$100.00 and over	Summary
1949-50	Number	158	314	432	147	47	70	1,168
	%	13.5	26.9	37.0	12.6	4.0	6.0	100%
	Amount	\$316.25	\$1,600.40	\$5,392.50	\$3,827.50	\$2,456.34	\$15,820.00	\$29,412.99
1950-51	Number	246	636	598	217	85	89	1,871
	%	13.1	34.0	32.0	11.6	4.5	4.8	100%
	Amount	\$513.00	\$3,306.50	\$7,203.50	\$5,705.00	\$4,213.00	\$30,041.21	\$50,982.21
1951-52	Number	305	524	615	261	114	106	1,925
	%	15.6	27.2	32.0	13.6	5.9	5.5	100%
	Amount	\$723.57	\$2,647.50	\$7,485.97	\$7,029.24	\$6,192.00	\$40,192.34	\$64,270.62
	%	1.1	4.1	11.6	11.1	9.5	62.6	100%

CONTRIBUTIONS BY CLASSES

Year	Class Manager	Number in Class	Con- tributors	% Con- tributing	Amount Contributed
	*	**			
1908	A	4	1	25.0	\$ 100.00
	E Winthrop W. Slocum	52	7	13.5	140.00
1909	A	6	1	16.7	25.00
	E Eugene Dowling	55	13	23.7	923.97
	I	44	3	6.8	65.00
	M Edna C. Smith	35	8	22.8	28.00
1910	A	2			
	E John L. Elliott	46	13	28.3	561.00
	I S. G. Little	25	5	20.0	86.00
	M Edith Scott Glenn	39	8	20.5	65.00
1911	A	3			
	E Alvin C. Dyer	35	6	17.1	245.00
	I H. W. Minnemeyer, III	29	3	1.0	110.00
	M Mary Olive Wright	42	9	21.4	76.50
1912	A	12	1	8.3	10.00
	E Frank R. Rex	53	13	24.6	740.50
	I Howard L. Dawson	31	2	6.5	30.00
	M Mrs. Harry McCully	36	7	19.5	54.50
1913	A	20	1	5.0	100.00
	E Edward E. Duff	57	14	24.6	5,489.09
	I R. H. Watkins	35	3	8.6	120.00
	M Mrs. W. E. Douglas	11	1	9.1	5.00
1914	A E. Herbert Gilg	16	5	31.2	187.50
	E Alfred D. Beeken	49	7	14.3	690.00
	I	34	3	8.8	12.50
	M Elizabeth Stevenson	27	7	25.9	80.50
1915	A Edward Crump, Jr.	15	1	6.7	10.00
	E Gilmore Lee Tilbrook	58	8	13.8	197.50
	I John M. Orr	41	5	12.2	270.00
	M Mrs. Carl Glock	30	8	26.7	80.50
1916	A Carl C. Britsch	13	3	23.0	85.00
	E Benjamin Schwartz	68	12	17.7	225.00
	I	54	7	12.9	1,860.00
	M Mrs. D. L. Trautman	27	6	22.2	126.00
1917	A	30	3	10.0	60.00
	E John A. Carothers	82	12	14.7	1,420.00
	I R. J. Wean	73	7	9.6	2,160.00
	M Mrs. Charles R. Fettke	38	9	23.6	63.00
1918	A G. G. Greulich	27	5	18.5	152.00
	E Emerson M. Pugh	51	6	11.8	297.50
	I George R. Holmes	46	4	8.7	105.00
	M Mrs. Helen B. Orr	34	6	17.6	43.50
1919	A Alexander Sharove	27	4	14.8	320.00
	E F. A. Faville	61	11	18.1	1,220.00
	I Herbert J. Graham	27	5	18.5	85.00
	M Mrs. M. H. Davis	42	5	11.9	88.00
1920	A M. Edwin Green	33	5	15.1	115.00
	E John F. Sweeny	117	14	12.0	760.00
	I John H. Moore	31	2	6.5	40.00
	M Mrs. H. J. Graham	53	11	20.8	296.50
1921	A Robert W. Schmertz	42	7	16.7	405.00
	E Albert C. May	126	32	25.4	5,438.00
	I James J. Rudisill	54	6	11.1	141.00
	M Margaret J. Griffin	46	16	34.8	274.50

*Letters denote schools.

**Number of good addresses in class.

Year	Class Manager
1922	A Gerald O. Schoonover
	E Robert B. Nation
	I Paul J. Moore
	M H. Dorothy King
1923	A John N. Franklin
	E J. Tucker Ames
	I Edward P. Geary
	M Grace E. Patterson
1924	A M. Arthur Brace
	E Douglas A. Schoerke
	I Samuel E. Dyke
	M Mrs. E. W. Channing
1925	A P. Hoffer Sload
	E James M. Guthrie
	I F. M. McGee
	M Rose Mary Morin
1926	A William B. Simboli
	E John M. O'Conner
	I Merrill R. Thompson
	M Hester E. Griffin
1927	A Mrs. Daniel A. MacPherson
	E Leonard C. Flowers
	I John E. Mueller
	M Mrs. David S. Cunningham
1928	A Mark L. Seibert
	E John F. Hotchkiss
	I Shelby A. McMillion
	M Elizabeth L. Burkhouse
1929	A A. E. Neff
	E George M. Wile
	I William M. McNeill
	M Mrs. Carl G. Miller
1930	A Richard W. Deverell
	E Henry L. Bunker
	I James B. Ashwell
	M Mrs. Bruce Bowden
1931	A Vincent S. Broomhall
	E C. Willard Bryant
	I James F. Traa
	M Grace L. Borgerding
1932	A Mrs. Loftus Becker
	E Carl J. W. Long
	I Harvey A. Collins
	M Mrs. R. J. Duffin
1933	A W. Fred Flaherty
	E L. E. Dempsey
	I Thomas H. Coulter
	M Mrs. James F. Traa
1934	A Mrs. L. E. Egerman
	E John Sayles
	I
	M Mrs. John H. Barr
1935	A Mrs. J. Kenneth Walker
	E Donald L. Ashbaugh
	M Mrs. George C. Norman

TO 1951-52 ALUMNI FUND

umber Class	Con- tributors	% Con- tributing	Amount Contributed
31	7	22.6	245.00
129	31	24.0	2,207.50
37	3	8.1	60.00
56	14	25.0	169.50
62	15	24.2	757.50
145	21	14.5	1,203.25
91	11	12.1	2,380.00
69	10	14.5	85.00
71	6	8.5	100.00
122	18	14.8	1,045.00
78	10	12.8	282.50
54	8	14.8	54.00
69	7	10.2	215.50
96	17	17.7	435.00
62	9	14.5	354.00
69	5	7.3	28.00
68	6	8.9	129.50
98	13	13.3	181.00
56	7	12.5	4,566.00
92	15	16.3	4,605.50
66	11	16.7	101.00
84	9	10.7	226.00
67	11	16.4	630.00
83	11	13.3	99.00
76	3	3.9	135.00
103	15	14.6	450.00
66	5	7.6	80.00
86	8	9.3	81.50
66	10	15.2	202.50
100	17	17.0	1,244.00
112	8	7.1	185.00
73	11	15.1	68.50
85	10	11.8	266.00
124	24	19.3	369.50
104	13	12.6	759.00
101	13	12.9	134.88
90	6	6.7	82.88
126	19	15.1	420.00
112	13	11.6	190.00
94	17	18.1	173.00
90	12	13.4	137.50
149	21	14.1	350.00
97	11	11.4	326.00
92	13	14.2	115.00
78	5	6.4	45.00
133	25	18.8	424.50
91	5	5.5	115.00
97	18	18.6	113.50
86	7	8.1	32.00
160	17	10.6	240.00
80	3	3.8	37.00
81	5	6.2	65.00
87	11	12.7	142.50
205	24	11.7	341.50
87	11	12.7	50.50

Year	Class Manager	Number in Class	Con- tributors	% Con- tributing	Amount Contributed
1936	A Carl M. Dozer	86	7	8.1	100.00
	E Robert P. Greiner	206	38	18.4	673.00
	M Mrs. Robert B. Parker	100	18	18.0	264.50
1937	A	72	4	5.6	41.00
	E James I. Bevan	218	22	10.1	899.00
	M Mrs. George E. Flaccus	88	9	10.2	52.00
1938	A Mrs. Clarke M. Carlisle	76	4	5.3	17.00
	E James D. Sands	187	25	13.4	481.25
	M Mrs. Edward J. Kreh, Jr.	113	15	13.3	177.00
1939	A Fred E. Graff	93	6	6.5	54.00
	E Carl T. Haller, Jr.	189	26	13.7	287.50
	M Mrs. John Murrin, IV	119	17	14.3	72.50
1940	A Mrs. Hugh A. Heller	68	6	8.8	59.00
	E Charles D. Henderson	247	43	17.4	852.00
	M Mrs. Alan S. Dodds	119	15	12.6	115.00
1941	A Mrs. William S. Bean, III	81	5	6.2	36.00
	E William W. Floyd	227	23	10.1	318.00
	M Mrs. Herbert A. Searle	118	9	7.6	102.50
1942	A Lois E. Barber	62	5	8.1	40.00
	E Daniel L. Horigan	280	38	13.5	616.50
	M Mrs. Andrew B. Potter	110	14	12.7	93.00
1943	A Mrs. E. R. Schatz	88	7	8.0	62.50
	E Vernon R. Spitaleri	277	36	13.0	376.50
	M Mrs. Edward P. Lynch	139	17	12.2	103.00
1944	A Mrs. Clifford Pascoe	55	2	3.6	15.00
	E P. J. DeIvernois, Jr.	232	36	15.5	438.00
	M Sarah E. Osborn	101	13	12.9	114.00
1945	A Mrs. James H. Stoltz	62	5	8.1	16.50
	E Thomas P. Bokman	178	16	9.0	157.50
	M	107	18	16.8	78.00
1946	A Mrs. David T. Lloyd	62	4	6.5	54.00
	E George W. Marshall	243	26	10.7	159.50
	M Mrs. Robert E. Widmer	111	14	12.6	85.50
1947	A James B. F. Boyce	93	6	6.5	52.00
	E James D. Garner	375	35	9.3	397.00
	M Mrs. George J. Bennett	112	16	14.3	65.50
1948	A Mrs. John B. Hackler	92	4	4.3	17.50
	E Charles E. Peterson	503	42	8.4	453.00
	M Mary E. Roney	137	16	11.7	151.48
1949	A George E. Yurchison	119	9	7.6	74.00
	E Robert W. Johnson	492	39	7.9	375.00
	M Mrs. H. W. Davies	138	21	15.2	120.50
1950	A Charles W. Tritle	148	7	4.7	98.00
	E Ralph R. Ryan	640	85	13.3	1,050.00
	M	154	21	13.6	158.00
1951	A	147	4	2.7	28.00
	E	451	27	6.0	181.82
	M	166	15	9.0	87.00
TOTALS	Arts	2,679	238	8.9	4,925.88
	Engineering and Science	7,629	996	13.0	35,200.88
	Industries	1,577	164	10.4	15,049.00
	Margaret Morrison	3,526	508	14.4	8,963.86
GRAND TOTAL	All Schools excepting Library	15,411	1,906	12.4	\$64,139.62
	Library		19		131.00
	All Schools	15,411	1,925		\$64,270.62

CLAN AND CLASS NEWS

CLAN DIRECTORY

AKRON: (P) Rex Seanor, E'31, Castle Blvd., Akron 3, Ohio. (S) C. Robert Hall, E'38, 525 Fernwood Dr., Akron, Ohio. FR 9344.

ATLANTA: (P) Robert M. Dominy, E'41, 822 Wesley Dr., N. W., Atlanta, Ga. (S) Mrs. G. G. Ertell (Dorothy Gerken, M'50), 339 N. Carter Rd., Decatur, Ga. *Cherokee* 3654.

BALTIMORE: (P) J. U. Kauffman, Jr., E'47, 47 W. Oliver St., Baltimore 1, Md. (S) Mrs. Bernard B. Perlman (Miriam Walfish, M'50, 3508 Powhatan Ave., Baltimore 16, Md.

BOSTON: (P) William R. Wayman, I'29, 404 Waltham St., West Newton 65, Mass., *LAcell* 7-6626. (S) Mrs. George Brahmst (Margaretta Downing, M'28), 49 Cochato Rd., Braintree, Mass. *Braintree* 2-3867-W. Monthly luncheon — Second Monday, The Hi-Da-Way, 3 Boylston Place, Boston, Mass.

CHICAGO: (P) F. M. McGee, I'25, 6608 N. Bosworth Ave., Chicago 26, Ill., *AMBassador* 2-0117. (S) Kenneth E. Reed, E'49, Marsh & McLennon, Inc., 231 S. LaSalle St., Chicago 4, Ill. *FINancial* 6-1400, Ext. 557.

CINCINNATI: (P) Andrew A. Yerina, I'30, 2160 Drex Ave., Cincinnati 12, Ohio. *Melrose* 0350. (S) Mrs. J. M. Hartfield (Corinne Harter, M'43), 4429 Reading Lane, Cincinnati 29, Ohio. *Redwood* 4248.

CLEVELAND: (P) Manley R. Mitchell, I'26, 1411 Rockefeller Bldg., Cleveland 13, Ohio. *EDison* 1-6698. (S) Miss Irene H. LaLonde, M'29, 26039 Bruce Rd., Bay Village, Ohio.

COLUMBUS: (P) John G. Kura, E'38, 4482 Sellers Ave., Columbus 2, Ohio. (S) Mary Elizabeth Hand, L'50, 761 Franklin Ave., Columbus 5, Ohio.

CONNECTICUT: (P) George R. Pope, E'48, 72 Dix Rd., Wethersfield, Conn. (S) Mrs. E. M. Sherry (Estelle Mattes, M'48), 50 Robin Rd., W. Hartford, Conn. 32-5788.

DELAWARE: (P) Webster N. Jones, Jr., E'43, Highland Ave., Marshallton Heights, Del. (S) Mrs. John J. Schultz, (Mary Nettleton, M'50), 1418 Brook Lane, Willow Run, Wilmington 5, Del.

DENVER: (P) Frank L. Taylor, E'36, 1327 Williams St., Denver, Colo. *Dexter* 0758. (S) Mrs. Helen Bosworth Orr, M'18, 501 S. Downing St., Denver, Colo. *Spruce* 8487.

DETROIT: (P) James H. Dodge, E'31, 1108 Audubon Rd., Grosse Pointe Park 30, Mich. (S) Miss Christine Leighou, M'33, (S) Miss Christine Leighou, M'33, 16247 Baylis Ave., Detroit 21, Mich.

ERIE: (S) Mrs. Herbert Heidt (Polly Jensen, A'41, 829 E. 23rd St., Erie, Pa.

GARY: (P) John E. Soyering, E'33, Box 317, Crown Point, Ind. 683-J. (S) Mrs. Robert H. Scott (Ruth Hughes, L'15), 1824 W. 5th Ave., Gary, Ind. 2-8801.

HARRISBURG: (S) Miss Mary L. Abraham, M'30, 305 Yew Pl., Harrisburg, Pa.

HOUSTON: (P) William A. Gabig, E'44, 3736 Alsace, Houston 21, Texas. *LY-0228*. (S) Mrs. Lois D. Matoney, 1802 Jean St., Apt. 4, Houston 23, Texas. *YU-2200*.

KANSAS CITY (Heart of America): (P) C. William Garver, E'27, 950 Dierks Bldg., Kansas City, Mo. *Victor* 6160. (S) Kenneth B. Tillbrook, E'24, 4121 Paseo, Kansas City, Mo.

LOS ANGELES: (P) Roland P. Kelly, E'42, 1105 S. Cordova St., Alhambra, Calif. (S) Mrs. Roland P. Kelly (Mary Lendenski, M'42), 1105 S. Cordova St., Alhambra, Calif.

MOHAWK: (P) William A. Reich, E'38, 1516 Union St., Schenectady, N. Y. (S) Mrs. E. S. Preble (Elsie McCort, M'35), Old Troy Rd., East Greenbush, N. Y.

NEW YORK: (P) Myron Kitaif, E'20, 337 Hollywood Ave., Douglaston, L. I., N. Y. (S) James B. Ashwell, I'30, 52 Duane St., New York 7, N. Y. *Worth* 2-2902. (S) Mrs. Harry J. Silverman (Shirley Seiner, M'49), 128 E. 35th St., New York 16, N. Y. *Murray Hill* 4-1216. LONG ISLAND CHAIRMAN: M. Clyde Alston, E'39, 150 Wilton St., New Hyde Park, L. I., N. Y. MANHATTAN CHAIRMAN: Asher B. Etkes, A'50, 213 W. 66th St., Apt. 2-C, New York 23. NEW JERSEY CHAIRMAN: L. Eugene Krebs, 20 Oxford Ter., West Orange, N. J. *ORange* 3-7204. WESTCHESTER CHAIRMAN: Alfred M. Staehle, E'17, Hudson House, Ardsley-on-Hudson, N. Y. Monthly luncheons, 12:30 P.M.: Mid-Town, last Thursdays at Architectural League, 115 E. 40th St. Down-Town, third Wednesday at Churchill's, 139 Broadway (near Liberty).

NIAGARA FALLS: (P) Arthur H. Prey, E'23, 2966 Michigan Ave., Niagara Falls, N. Y. Niagara Falls 2-2567. (S) Paul T. Kuhnel, E'30, 8242 Witkop Ave., Niagara Falls, N. Y. 3-3268.

OHIO VALLEY: (P) Mrs. Samuel Fisher (Margaret Goldberg, A'35) 1650 Oregon Ave., Steubenville, Ohio. (S) Norbert Bates, E'50 352 Westwood Rd., Steubenville, Ohio.

PHILADELPHIA MEN: (P) Wm. R. Poole, E'40, 142 W. Baltimore Ave., Lansdowne, Pa. (S) Frank W. McCulloch, I'30, 1400 Sunny Hill Lane, Upper Darby, Pa. Luncheon Round Table each Friday noon, Coffee Shop, Bellevue-Stratford Hotel.

PHILADELPHIA WOMEN: (P) Mrs. J. H. Reber (Margaret McColly, M'27) 834 Ormond Ave., Drexel Hill, Pa. *Sunset* 9-7350. (S) Mrs. Hood Van Den Arend (Dorothea Wood, M'23), Manheim Gardens Apts., Philadelphia 4, Pa. *Tennessee* 9-7614. Meetings — Second Saturday of each month.

PITTSBURGH MEN: (P) Lester R. Smith, 633 Smithfield St., Pittsburgh 30, Pa. *Atlantic* 1-9121. (S) Clyde Dinwiddie, E'50, 2905 Grant Bldg., Pittsburgh 19, Pa. *Atlantic* 1-0880. Weekly luncheon meetings. Thursday noon, Hotel Pittsburgh.

PITTSBURGH WOMEN: (P) Miss Nora I. Willetts, M'26, 28 S. Grandview Ave., Pittsburgh 5, Pa. *Walnut* 1-0116. (S) Miss Mary E. Roney, M'48, 18 Johnston St., Pittsburgh 5, Pa. *Walnut* 1-2324.

ROCHESTER: (P) Stanley McDonald, E'26, Middleport, N. Y. (S) Marguerite Hubbell, L'27, 357 Alexander St., Rochester 7, N. Y., *Hamilton* 2533.

ST. LOUIS: (P) Robert S. Robison, A'26, c/o Washington University, St. Louis 5, Mo. (S) Robert E. Neas, E'44, 925 St. Jean St., Florissant, Mo.

TULSA: (P) Thomas C. Hower, E'32, 1901 First National Bldg., Tulsa 3, Okla. 2-0813.

WASHINGTON, D. C.: (P) Richard I. Enzian, E'34, 704 N. Illinois St., Arlington, Va. *JA* 2-7429. (S) Mrs. G. W. Roberts (Lillian Coleman, M'23), 4014 Kansas Ave., N. W., Apt. 1, Washington 11, D. C. *Taylor* 8754. (Exec. Sec.) Brad Edelblut, E'34, 1249 25th St., N. W., Washington 7, D. C. *Sterling* 9025.

YOUNGSTOWN MEN: (P) William W. Justice, E'32, 27 Water St., Box 354, Poland, O. (S) James H. Franz, E'37, 52 Wilda Ave., Youngstown 5, O. *Youngstown* 8-1218.

YOUNGSTOWN WOMEN: (P) Miss Katherine Stuart, L'34, 137 Broadway Ave., Youngstown, Ohio. (S) Mrs. W. W. Justice (Anna McCullough, M'37), 27 Water St., Box 354, Poland, Ohio.

CLAN NEWS

BALTIMORE: The Baltimore Clan held its second meeting on June 28, when 34 alumni gathered at the lovely suburban home of Mr. and Mrs. Thomas W. Trice. Guests of honor from Pittsburgh were Mr. John Elliott, Alumni Secretary, and his wife, Marie. Following a barbecue and short business meeting, Mr. Elliott showed for the first time the final revision of an audio-visual presentation of the school. It was an excellent and most enjoyable 24 minute color slide and tape recording extolling the praises of "Dear Old Tech." Plans were discussed for an August gathering, in the form of a moonlight cruise on Chesapeake Bay.

Miriam Walfish Perlman, M'50, Secretary.

BOSTON: The annual picnic this year was held at Duxbury Beach on August 2. In spite of that day bringing the first rain storm of a hot dry summer, Clan members and their families had their usual enjoyable time together with supper under cover and, between showers, soft ball, horseshoe pitching, and a beach fire with

marshmallows and watermelon. A few of the hardier members went for a swim in the Atlantic.

The newly-elected officers for this year are: president, William R. Wayman, I'29; vice president, Margaret McFall Tuthill, M'25; recording secretary and treasurer, Margaretta Downing Brahmst, M'28; corresponding secretary, Miss Rachael Bodine, L'27.

Margaretta Downing Brahmst, M'28, Secretary.

CHICAGO: George Ellerton reported to a Board of Governors meeting, June 27, the result of the election for Board members. Officers for the current year are: president, F. M. McGee, I'25; executive vice president, R. E. Hedlund, E'22; vice president, program, W. D. Hall, I'21; vice president, Arts, D. C. Taylor, A'35; vice president, Engineering & Science, William Otto, Jr., E'38; vice president, Margaret Morrison, Mildred A. Krummell, M'24; secretary, Kenneth E. Reed, E'49; treasurer, R. S. Hays, E'25. The Board of Governors for the year are: T. T. Allsworth, E'20; James Arkin, A'31; Esther J. Bligh, A'34; H. M. Duffin, A'28; W. A. Dundas, E'15; George Ellerton, Jr., E'19; R. A. Hutchin-

son, E'33; W. A. Kidney, E'40; K. C. Kornman, I'25; G. J. McMahon, E'44; L. H. Rowe, E'17; M. C. Shields, I'34; S. V. Williams, E'21.

R. A. Hutchinson announced that his committee on recruitment and scholarship had selected a student to receive the Chicago Clan Scholarship. He introduced Thomas E. Ascher, 6307 N. Kenmore Ave., Chicago, a graduate of Evanston Township High School, Evanston, Ill. The board was well impressed with the committee's selection and bid him good luck and good grades in his Chemical Engineering studies at Tech.

One of Carnegie's Alumni Scholarships has been designated for the Chicago Carnegie Clan. This scholarship is valued at \$1,360. It will cover two years' tuition in any of the schools at Carnegie.

Bill Hall announced that the annual clan picnic will be held on Saturday, September 13. The Clan is also planning to have some activity to tie in with the Centennial of Engineering which will be held in Chicago, September 3 through the 13th.

F. M. McGee, I'25, President.

HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952

CLEVELAND: The Scholarship Dinner, May 26, was a big success. The large crowd that attended got a great kick out of the talk by Professor Norman H. Dawes of Carnegie's History Department. It was so humorous, clever, and chattily presented that I am sure it did to the others what it did to me—transported me right back on The Cut trotting to classes.

Winners of the Cleveland Clan Scholarships were present and received their awards from Manley R. Mitchell, our president. The winners are: Robert K. Lindsay of Euclid High School, Richard W. Plummer of Harvey High School, Painesville; and James Morgan of Lakewood High School.

The annual Clan picnic will be held at the Andrews' home overlooking Lake Erie on September 20. The annual Christmas Dance for students will be held on Saturday, December 20, 1952.

Irene H. LaLonde, M'29, Secretary.

COLUMBUS: The invitation read, "Bring your basket and the kids to Whetstone Park Shelter House to play, eat and dance with the Columbus Clan." About twenty members and a dozen children appeared for a picnic meeting July 25, and had a wonderful time. Plans were discussed for the year's meetings and it was decided to revise the Clan Directory.

Mary Elizabeth Hand, L'50, Secretary.

DELAWARE: The organization dinner held at the Hob in May was a big success. Dr. Webster N. Jones, Dean of Engineering and Science at Carnegie, accompanied by his wife, was our guest speaker. Mr. and Mrs. Al Dervae of the Philadelphia Clan were also present as guests.

After dinner, the business meeting was called to order and the constitution and by-laws were approved. A board of governors of nine members was elected as follows: Bill Clark, Byron Lutton, I'12; Web Jones, Jr., E'43; Henry Roland, E'37; Mary Schultz, M'50; Virgil Romito, E'32; Mel Jones, E'33; Walt Ashworth, E'16; and Stephanie Kwolek, M'46.

The first meeting of the board of governors was held June 3 and the following officers elected: president, Webster N. Jones, Jr.; vice president, Henry Roland; secretary, Mary Nettleton Schultz; treasurer, Stephanie Kwolek.

The first Clan picnic was held August 9 at Brandywine Park and, in spite of the rain, everyone had a wonderful time.

Mary Nettleton Schultz, M'50, Secretary.

HOUSTON: On Sunday, June 22, the Houston Clan had a very pleasant gathering at Carl Schneider's summer place at Surfside, near Velasco, Texas. A total of thirty-five turned out for our first family-style affair. We went swimming, crabbing, played horseshoes, and later had a delightful picnic lunch. I believe I am correct in saying everyone had a very good time.

Since Bob Morrison's recent transfer to New York, William A. Gabig, E'44, has taken over as president and Lois Yessler Matoney has been elected as secretary-treasurer.

Our next affair is planned for the fall, probably to coincide with homecoming weekend.

William A. Gabig, E'44, President.

KANSAS CITY: At our annual Christmas dinner and dance we had a fine turnout with members from as far away as Topeka and Wichita, even though a heavy snowstorm was in progress.

An election of officers resulted in C. William Garver, E'27, president; Charles E. Clarke, E'33, vice president; and secretary-treasurer, Kenneth B. Tilbrook, E'24. The officers and different members of the Clan have met informally at intervals and plan a general summer meeting with a barbecue as an inducement.

Our Clan has come to the conclusion that something more constructive for Alma Mater could be accomplished by getting more publicity

for Carnegie. Jim Terney has already been active on that score, getting literature to place in our various schools. Our ultimate aim is to get more widespread "punch" publicity by starting a scholarship of some kind.

C. William Garver, E'27, President.

LOS ANGELES: The Southern California Clan had a Christmas dance at the Biltmore Bowl and a card part in May at the Joe Wilson home in Glendale. Roland Kelly, E'42, has been elected president for the coming year and Mary Lendenski Kelly, M'42, will take over as secretary.

Joanne Tishlarich Luther, M'42.

MOHAWK: Announcements of the Mohawk Clan's first annual picnic have been sent to all members and the committee has high hopes that favorable weather and a good crowd will make the day an enjoyable one for all Techites in our area. The picnic is to be held at Thatcher Park, Albany, Sunday, August 24.

If there are any Tech alumni in our Clan area who have not received our notices, please drop me a line so we can put your name on our mailing list.

Elsie McCort Preble, M'35, Secretary.

NEW YORK: On Saturday, September 6, the Long Island Division will hold a picnic at Timber Point. There will be swimming, golf, tennis, and a softball game for the more ambitious. It will be the first affair held under the leadership of Clyde Alston, E'39. His new assistant will be Bob Eberle, E'36.

Our monthly luncheons will begin again in September. The first downtown one will be on Wednesday, September 17, at Churchills, 139 Broadway and the first uptown luncheon will be Thursday, September 25, at the Architectural League, 115 East 40th St. After these the uptown one will be on the fourth Thursday and the downtown one on the third Wednesday of each month. Any CIT alumni in town on those days will be more than welcome.

Plans are again underway for our annual banquet. It will again be held at the Statler Hotel and the date is May 7, 1953.

Shirley Seiner Silverman, M'49, Secretary.

NIAGARA FALLS: The Niagara Falls Clan is growing in size and interest. In June, a family basket picnic was held in Hyde Park which was attended by many new young couples. In September, another picnic of a similar type is planned and we hope, with vacations and the tourist season over, that even more will be present.

Beatrice Crawshaw Walton, A'24.

OHIO VALLEY: The Ohio Valley Clan held its annual spring meeting at the Fort Steuben Hotel, Steubenville, Ohio, on May 26. Following cocktails and a delicious dinner, a double quartette from the Moundsville, W. Va. Male Chorus presented a well rounded program that met with enthusiastic approval.

At a business meeting the following were elected to the Board of Governors: Wm. L. Barr, E'41; Mrs. Norbert Bates, Miss Nancy A. Matthews, M'31; George R. Robinson, E'47. The following were elected officers for the coming year: president, Margaret Goldberg Fisher, A'35; vice president, Richard Bundy, E'43; secretary, Norbert Bates, E'50; treasurer, Frank Norris.

Al C. Flanders, E'47.

PHILADELPHIA MEN: Here are some items which may be of interest:

1. Philadelphia Clan Scholarship: The first Philadelphia Clan scholarship, given in cooperation with the Philadelphia Women's Clan, has been awarded to Miss Ruth Ann Rand, a graduate of the Philadelphia Girls High School, where Miss Marion Bach, M'20, is the counselor.

2. Bridge Club Picnic: Two of the bridge

clubs had a combined picnic on Father's Day at Castle O'Doherty, the home of Daniel J. Doherty, I'28, in Havertown. Approximately 50 alumni, families and friends attended.

3. Bridge Clubs: Activities of the bridge clubs, suspended for the summer, will be resumed in the early Fall. Any alumnus who is interested in playing bridge may join these groups by contacting the Clan secretary. The bridge clubs, in the name of the Philadelphia Clan, contributed \$60.00 to the scholarship fund last year.

F. W. McCulloch, I'30, Secretary.

PITTSBURGH MEN: The July 10 luncheon program took us back stage at the Civic Light Opera. Two leading stars entertained with songs from "The Firefly." The group enjoyed the program arranged by Jack Purcell, A'41.

On August 8, a group of alumni, wives and friends gathered at the Carnegie Institute dining room for dinner and then walked across the Piazza to Forbes Field to see one of the best ball games Pittsburgh has put on this year. The Pirates nosed out the Chicago Cubs in a ten inning game that was a "honey."

Starting Thursday noon, October 2, the Clan will resume its weekly luncheon programs at the Pittsburgher Hotel. Prominent speakers, both local and national, headline these special luncheons. At the opening meeting on October 2, Col. Willard F. Rockwell, chairman of the board, Rockwell Manufacturing Co., will speak on his recent European trip. All alumni are invited. If you desire regular notices of all Clan activities, contact Les Smith, Clan President, at AT 1-9121.

A big Men's Clan "Get-Acquainted Dinner" with Mr. Gwilym A. Price, president of Westinghouse, as the speaker, will be held on Campus at the Carnegie Inn, October 9.

Les Smith, E'39, President.

GET - AQUAINTED Dinner

PITTSBURGH MEN'S CLAN
The Carnegie Inn (Campus)
October 9, 1952



MR. GWILYM A. PRICE

President of Westinghouse Electric Corporation will be the featured speaker. President J. C. Warner, members of the Board of Trustees, Deans and Department Heads will be on hand. Cost—\$3.50 each.

Make checks payable to "Pittsburgh Men's Clan" and mail to Lester R. Smith, 633 Smithfield Street, Pittsburgh 30, Pennsylvania.

COME AND GET ACQUAINTED

HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952

CLASS NOTES

1909

We were sorry to learn that Mrs. E. B. Depp (Elizabeth M. Barnes, M) of Pittsburgh died March 8, 1952.

Information has been received that Thomas G. McFarland (I) of Pittsburgh has died.

1910

Mrs. Charles F. Young (Charlotte Schaffner, M). See 1947.

1911

Alfred C. Danks (E), manufacturers' agent in Cleveland, Ohio, died June 16, 1952, at Santa Monica, Calif. Connected for some years with Carnegie-Illinois Steel Co., Pittsburgh, he left that organization in 1922 to engage in his own business. Surviving him are his wife, Mayme, two sons, James and Alfred C., Jr. (E'40), and a daughter, Louisa (M'51).

John Francy (I) of Toronto, Ohio, died October 21, 1951, at the Ohio Valley Hospital, Steubenville. He is survived by his wife, Mrs. Blanche W. Francy.

1912

William G. Schmucker (E) is general superintendent of Alkali Division of Diamond Alkali Co., Painesville, Ohio.

1913

Levi Claggett (A) did two large murals which depict the spirit and progress of the City of Duquesne, Pa. These are hung in the Duquesne City Bank.

1914

Allan H. Neal (A). See page 21.



FRANCES CLARKE SAYERS, L'18

(Mrs. Alfred H. P.) will retire as Superintendent of the Department of Work with Children, New York, in October. At a program in her honor May 13 John M. Cory, Chief of the library's Circulation Department said that "losing Mrs. Sayers means a loss not only to the library but also to so many New York City children who have had the benefit of her sympathy, her warmth, her graciousness, and, of course, her wide knowledge of children's literature."

Recently Mrs. Sayers' special knowledge of children's literature brought her an assignment from the Library of Congress. Her task was to organize the acquisition of children's material and its use.

Mrs. M. M. Redenbaugh (Alberta Greene, M) wrote from Clearwater, Fla., in April: "At long last the *roving Redenbaughs* — after wandering all over the country from Central America and Mexico to Alaska—have decided to settle down and have a permanent address. (Casita Marberta, 9 South Jupiter St., Clearwater.) We have had a lot of fun in the last five years since my husband retired from teaching, but its kind of nice to have a home again.

"We have bought a pretty little house down here and are now full fledged Floridians with orange, grapefruit, lime and lemon trees, lots of wonderful friends and neighbors. We think we have settled in the nicest little town in Florida —small enough to know people and large enough to offer interesting things to do.

"I paint a little, write some and loaf a lot. I have joined the Business and Professional Woman's Club, The A.A.U.W., the 'little theater' and the West Coast Art Association. I still lecture part of the year but reserve the winter season for loafing down here. The steel strike put a crimp in my plans for this Spring. I had a two months course planned in Pittsburgh for U. S. Steel and a six weeks one in Chicago for Hot Point . . .

"I haven't met many Carnegie Tech people down here. Had dinner several weeks ago with Edna Stoebener Luley (M) and her husband enroute to Pompano Beach. I'll be glad to hear of any of the alumni who are in this part of the country."

Mrs. Dorothy Wilson Yates (L) is living at 4311 Elm Ave., Long Beach 7, Calif.

1915

The new public library building of Victoria, B. C., Canada, was officially opened October 17, 1951. Margaret Clay (L) has been Chief Librarian there since 1924.

1917

Erman L. Dague (I), partner in the Electric Instrument Service Co., Pittsburgh, has moved to R.R. 4, Muncie, Ind.

Sympathy of the class is extended to Raymond Ginn (E) in the death of his father, June 25.

1918

Charles L. Carter (E), in the purchasing department of DuPont Co., Jackson, S. C., lives at 343 Telfair St., Augusta, Ga.

Frank T. Denman (I) of Hillsdale, New York is author of *Television, The Magic Window*, a book just published by Macmillan Co.

Harry Gellin (E), president of The Gellin Co., has been elected president of the Cleveland (Ohio) Engineering Society.

Loyal J. Murphy (E). See page 23.

Sympathy of the class is extended to Mrs. Helen Bosworth Orr (M) in the loss of her father in June.

Grace M. Rupert (M) is living at 1419 Piikai St., Honolulu 14, Hawaii.

James Paul Warner (E). See page 5.

1919

Her friends and classmates will be very sorry to learn of the death of Rose D. Stewart (L) on May 20, 1952.

1920

Helen E. Free (M) is a caseworker for Alberta Kerr Homes, 506 Panama Bldg., Portland 4, Ore.

M. Edwin Green (A). See page 21.

Lester C. Myers, Jr. (I) was co-producer of the musical revue "Capers On The Hill," presented at Upper Ridgewood, N. J., in April.

Cyrus E. Silling (A). See page 21.

Semon H. Stupakoff (E) was the subject of an article in the *Pittsburgh Press* of July 13,

titled PRAYER ON THE ASSEMBLY LINE. Mr. Stupakoff, president of Stupakoff Ceramic Mfg. Co., Latrobe, Pa., which employs 600 and grosses \$5,000,000 annually, has a religious broadcast during working hours for employees. The broadcast, called "Meditation Moments at Stupakoff," has won the acclaim of workers, management, union and clergy.

Ralph Waldo Wallace (I) of Johnstown, Pa., died February 25, 1951. He is survived by his widow, Harriet Young Wallace.

1921

Major R. S. Craig (I) wrote from Miho Air Force Base, Japan: "I'm the Air Installations Officer or Post Engineer at this base and have about 600 people, mostly Japanese working for me. Some of the fellows say this is the backwoods of Japan, but it is very heavily populated anyhow . . . I have been very pleasantly surprised with both the country and the people ever since I landed."

Ellen Crowe (A) is teaching at the Bancroft School, Worcester, Mass.

Alexander Jack (E), division engineer for the Commonwealth of Pennsylvania, lives at 98 S. 4th Ave., Clarion, Pa.

C. A. Maurer (E). See page 22.

Fred A. Nicholson (E), vice president and general manager of United Oil Co., died suddenly on July 25, 1952, at his home in Mt. Lebanon, Pa. Survivors are his wife, Mrs. Helen Nicholson; three sons, Fred R., Thomas C., and Andrew M. Nicholson; a sister, Mrs. E. B. Middleton, and his mother, Mrs. Grace Nicholson.

Walter K. McPherson, Jr. (E) is senior project engineer for New Idea Div., Avco Corp., Coldwater, Ohio. He wrote: "Just moved here as assistant to the chief engineer production design. Same old trouble with housing. We are living on a farm this summer until our house is completed."

Charles S. Siskind (E). See page 4.

George Wetherall Smith (E) died July 15, 1952, in Presbyterian Hospital, Pittsburgh. Mr. Smith began his career with the U. S. Bureau of Mines, later was employed by the Hagan Corp., and went to Korea briefly at the request of the Government. At the time of his death he was employed by the Pittsburgh Coke & Chemical Co. Surviving are his widow, Mrs. Marjorie Close Smith; four daughters, Mrs. John Johannek, Mrs. Mark S. James and Nancy Joan and Susan Smith of Pittsburgh, and six grandchildren.

Mary L. Zahrobsky (M), formerly of Wilkinsburg, Pa., died July 6, 1952, in Chicago. At the time of her death she was a professor of social service research at the University of Chicago, Chairman of the American Association of Social Workers, Chicago district, and active in Girl Scout work. She was well known and highly respected for her quiet and tireless work, and the Chicago flag was flown at half-mast in her honor. Among her survivors are her parents; a sister in

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HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952

Chicago; and two sisters in Wilksburg, Mrs. J. F. O'Leary and Frances L. Zahrobky, M'40.

1922

Mrs. Arthur T. Clark (Ruthanna Anderson, M) wrote from 4407 29th Ave., Rock Island, Ill.: "We've moved to a half acre on the edge of town where we might be able to sit under our own fruit tree if we ever sit."

We have recently received information that Elmer Cohen (E), formerly of New York City, died in 1950.

George W. Eppler (E) died on June 8, 1952. He was General Manager of the Monongahela Division of Combustion Engineering—Superheater, Inc., Monongahela, Pa.

Mr. and Mrs. Nelson P. Rice (A and Helen Johnson, A'24) live at 18004 Boris Dr., Encino, Calif., in a new house designed by Nelson—on a hill overlooking San Fernando Valley.

1923

F. H. Allison, Jr. (E). See page 4.

Mrs. Raymond F. Hosford (Dorothy Grant, M), formerly of Pittsburgh, died June 28 in London, England, while on a three-month tour of Europe. After graduation she served as secretary of the Carnegie Library School. She was the author of several books for children. Surviving are her husband and two sons, Hugh M. and Frederic D., all of Philadelphia.

Norman E. Morrell (E) of Route 2, Chagrin Falls, a member of the faculty of Akron Hower Vocational High School, attended the Workshop on Economic Education held on the campus of Ohio University this summer.

Charles A. Nichols (E), coordinator of defense planning for Delco-Remy Div., General Motors, lives at 509 Central Way, Anderson, Ind.

Joseph G. Rice (I) died in Columbia Hospital, Pittsburgh, May 11, 1952. A veteran of World War I, Mr. Rice was employed by Koppers Co., Inc. and worked in the By-Products department 30 years. He is survived by his wife, the former Mary A. Dietrich; a son Paul, 15, and two sisters.

William Schlossnagel (I) of Wilksburg died February 4, 1952. He had been with Westinghouse Electric & Manufacturing Co. for 37 years and was a member of the Calvary Presbyterian Church of Wilksburg. Surviving are his widow, the former Marion Shallenberger, and one son, W. Allen Schlossnagel.

Stuart P. Smith (I) has been appointed special representative to Air Force at Wright-Patterson Field, Dayton, Ohio, by Reynolds Metals Co., Louisville, Ky. He has been with Reynolds for the past eight years.

Sanford R. Wilson (A) died suddenly last October. He was employed by Florida Power & Light Co., Miami, Fla.

1924

Edwin P. Couse, Jr. (A), artist, lives at 1216 Singer, Pl., Pittsburgh 21, Pa.

Thomas N. Griggs (E). See page 6.

Mrs. Avery N. Lambert (Elma Davis, M) and her husband moved to 307 Beachgrove Dr., Erie, Pa. Their son Donald has finished his second year at Penn State.

Mrs. R. H. Nugent (Elsa Wagner, M) lives at 2 Fifth Ave., New York 11, N. Y.

Ellis Robertson (E), president of Cheshire Oil Co. and treasurer of Robertson Motor Co., Keene, N. H., was presented a watch award at the spring dealer meeting of the Cheshire Oil Co., Inc., for 30 years of continuous service as distributor and dealer for Texas Company products.

Thomas Walton, son of Beatrice Crawshaw Walton (A) is on a destroyer off the coast of Korea.

Mr. and Mrs. William A. Wills (E and Anna Montgomery, A'25) have moved from Wilmington to 2212 Overton Rd., Country Club Hills, Augusta, Ga.



MR. GREEN



MR. SILLING



MR. NEAL

THREE CARNEGIE ARCHITECTS HONORED

Three of Carnegie's architectural alumni were honored by election to the select company of Fellows of the American Institute of Architects. They were among 39 members so honored at a banquet of the A.I.A. in New York on June 25. Those honored from Carnegie: M. Edwin Green, A'20, partner with Ritchie Lawrie, Jr., E'11, in the well-known Harrisburg, Pa. firm of Lawrie & Green; Allan Herron Neal, A'14, of the Pitts-

burgh firm of Kaiser, Neal and Reid; and Cyrus Silling, A'20, of Tucker & Silling of Charleston, W. Va. Fellowship rank is conferred yearly in recognition of distinction in design, service to the public or profession or service to the Institute. All three Tech men have designed outstanding buildings, both public and private, and have served in many capacities in their professional societies.

1925

Mrs. Lucy K. Brown (A) lives at 5308 Newport Ave., Chevy Chase, Md.

We have received information that L. R. Clark (I) of Pittsburgh died April 19, 1952.

Mr. and Mrs. M. D. Kallfelz (I) of 656 Timm Valley Rd., Atlanta, Ga., are proud of their 17-year-old son, John, who has received an appointment to the U. S. Military Academy at West Point.

Mrs. H. W. Schreiber (Marie McKenzie, M), prominent dietician and manager of Kaufmann's restaurant for twenty years, died August 15, 1952, in Bellevue General Hospital, Pittsburgh. Mrs. Schreiber was for five years dietician and assistant manager of the Joseph Horne Co. restaurant. Later she became the first manager of the Smithfield Grill, now the Oliver Building restaurant. Survivors include her husband, Harry W.; a daughter, Sally Marie, and her father, William L. McKenzie.

Joseph S. Schuchert (E). See page 4.

1926

Richard Hawley Cutting (A), Architect, announces the opening of an office at 34 Gramercy Park, New York 3, N. Y. He also has offices in Cleveland, Ohio, Wilmington, Del., London, England, and Paris, France.

Fredric M. Kelafant (I) is purchasing agent for General Electric Co., Schenectady, N. Y.

George W. Keown (E) is sales manager for Tungsol Electric Inc., Newark, N. J., and lives at 40 North Rd., Short Hills, N. J.

R. H. Marshall (E) does research and development work for the National Bureau of Standards and lives at 4002 Second St., S. W., Washington 20, D. C.

Richard R. Sitzler (E). See page 25.

We were recently informed that Margaret E. Williams (M) of Martins Ferry, Ohio, is deceased.

1927

Francis C. Bell (E) is with Johns-Manville Co. and lives at 17326 Edinborough Rd., Detroit 19, Mich.

Stella E. Hartman (M). See page 24.

Susan Himmelwright (L) lives at 447 Phelps Ave., Winter Park, Fla.

Frank A. Kolb (E). See page 23.

Mrs. John Laurence (Dorothy Cohen, A) writes from 406 Blackstone Dr., Erie, Pa.: "Dorothy and John Laurence form the firm of Laurences, Radio & TV consultants, supplying tailor-made and packaged programs for local and national sponsors. We participate, together, as a husband and wife team."

Mrs. George Roessing (Margaret Grier, A). See page 4.

H. C. Thompson (I) is on active duty with the Naval Reserve. He has been in Morocco, N. Africa, and presently is at Guantanamo, Cuba.

G. O. Wessenaer (E) is manager of power Norris dam, Tennessee Valley Authority.

1928

John S. Brookes (I) is merchandise manager for E. J. Brach & Sons, Chicago and lives at 222 E. Chestnut St., Chicago 11, Ill.

Mrs. Edward F. Ege, (Helena Gregg, A), 2356 Orlando Pl., Pittsburgh 21, is National president of Kappa Kappa Gamma Fraternity.

George H. Eiser (E) is field representative for Remington Arms Co., Inc., and lives at 4243 Verdugo Rd., Apt. 3, Los Angeles, Calif.

Maxine Finsterwald (A) is a free lance writer residing at 51 Charles St., New York 14.

Mrs. Ruth S. Glebe (L) is assistant librarian at Abington Library, Jenkintown, Pa.

Dessa Lazich (A) and Scott M. Conway were married June 16, 1951 and are now living at 3408 Fifth Ave., Pittsburgh 13, Pa.

Ralph A. Maurer (I) is foundry manager for Roots-Connersville Blower Co., Connersville, Ind.

1929

Joseph Hoover (A). See page 5.

Saul R. Mielziner (I) lives at 347 Vernon Rd., Philadelphia, Pa.

Mrs. M. G. Moore (Louise Roy, A) teaches music in Reynolds Junior High, Lancaster, Pa. Summers she travels and has been to South and Central America, West Coast, Canada, and Labrador.

HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952



C. A. MAURER, E'21

made the cover of the *ALCOA IOWAN*, a fine little magazine published in the interests of the employees of the Davenport (Iowa) Works of the Aluminum Company of America. "Shorty" played a lot of baseball and basketball in school but, from the picture, it seems he has switched to golf. He is an engineer with Alcoa and has the office next to C. Huntley Wallace, E'21, at the Davenport Works.

Martin Samuel Moss (I) of McKeesport, Pa., died November 26, 1950.

John N. Ralston (E) has been promoted by the Bell Telephone Co. of Pa., to district plant superintendent, Northern, Pittsburgh Plant.

Lt. Col. Joseph E. Stannah (E) is serving in Korea with the 2d Engineer Construction Group, one of the most versatile engineering units on the peninsula. The unit, which has slashed roads through the rugged terrain and hurdled rivers with spans a thousand feet long in support of UN fighting forces, is just as adept at repairing watches and electrical equipment. Colonel Stannah has been in the Army since June 1941 and arrived in Korea last September.

1930

Paul C. Allison (E) can be addressed in care of Socony Vacuum Oil Co., Packard Bldg., Philadelphia, Pa.

Alexander M. Fisher, Jr. (E) died February 17, 1952. At the time of his death he was with the Building Materials Division of Armstrong Cork Co., New York City. He is survived by his wife, the former Catherine Boyd, M'31.

William P. Murdoch (E). See 1935.

Dale E. Phalen (A) is secretary of the Samuel S. Fells Fund, Philadelphia, and lives at 101 Academy Lane, Upper Darby, Pa.

1931

C. Willard Bryant (E) has been named head of the new materials services department of General Electric Co., Schenectady, N. Y.

Sympathy of the class is extended to Mrs. A. M. Fisher (Catherine Boyd, M) in the loss of her husband. See 1930. Mrs. Boyd is a secretary for the Armstrong Cork Co., Seattle, and lives at 15612 Maplewild Dr., Seahurst, Wash.

Alice Gallagher (M) received the Master of Social Work degree from CIT in June.

Mrs. J. S. George (Gertrude Otte, M) has moved to 531 East High St., Manchester, N. H.

Lt. Col. Kenneth L. Gress (I) graduated May 7 from the Army's General Staff Course at the Command and General Staff College, Fort Leavenworth, Kans. Colonel Gress served in North Africa during World War II.

Mrs. Reba Skyles Harris (L) is chief of preparations, Department of Public Libraries, Montgomery Co., Gaithersburg, Md.

John M. Malotte (I) is production manager, Foreman-Pierson Press, Baltimore 2, Md.

Friends will be sorry to learn of the death of Ethel Metzger (L) at her home in Jamaica, N. Y., on April 4, 1952. Miss Metzger had been Head of the Book Order Department of Queens Borough Public Library.

Carl Schneider (I) has been elected director of the Houston Engineers Club. Carl is President of Schneider Co. of Houston, Texas.

1932

David T. Beggs (A) lives at 306 Maumee St., Jonesville, Mich.

Mrs. Betty Simon Cooper (M) is a kindergarten teacher at North Ward School, St. Petersburg, Fla.

Colonel Robert E. Cron (E), CE, USA, following his graduation from the Industrial College of the Armed Forces, Washington, D. C., on June 19, 1952, is studying Portuguese at the Army Language School, Monterey, Calif., prior to going with the Military Mission to Brazil as Director of Service Training.

Mrs. V. D. Cronister (Elizabeth Shield, M) is living at 212 Edisto St., Johnston, S. C.

Mr. and Mrs. Robert M. Fischer (E'39 and Catherine Keppel, A) announce the arrival of Catherine Clark on March 28, 1952. The Fischer's have two older children, aged 7 and 2.

Elizabeth Graf Fonner (A) received the master of social work degree from Washington University, St. Louis, Mo., in June.

Mrs. M. N. Fralin (Florence Colomb, M) is a nutritionist for the Visiting Nurse Association, Pittsburgh, and lives at 1612 Denniston Ave., Pittsburgh 17.

Paul J. Haughey (E) is with Mine Safety Appliance Co. at Callery, Pa.

Sympathy of the class is extended to Ross M. Heyl (E) in the loss of his wife on July 18.

Robert W. Kamerer (E) is works industrial engineer for Armco Steel Corp., Butler, Pa.

I. J. Karassik (E), 476 Walton Rd., Maplewood, N. J., has been appointed manager of the Multi-Stage Pump Section of the Centrifugal Pump Div. of Worthington Corp. He has been with the Worthington organization since 1934.

Mrs. Regis T. Kemper (Gertrude Novak, M) wrote in July: "There are 13 Maggie Murphys from '32 who have had a Round Robin letter for the past 20 years. Here are the members and their cities to which Robin goes: Jane Croyle Ford, Glenshaw, Pa.; Ruth Brooks Ballantyne, Springville, N. Y.; Kitty Mong Heineman, Pittsburgh; Esther Hanley Freeland, Youngstown, Ohio; Elizabeth Lilley, Chicago; myself, Mt. Lebanon, Pa.; Frances Graham Ray, Wilkesburg, Pa.; Mary Hauser Dustan, Westbury, N. Y.; Mabel Hover, Pittsburgh; Nancy Sloan Sutch, Mt. Lebanon, Pa.; Lois McGregor Washer, Richmond, Va.; Floy Sample Morrison, Lubbock, Texas; (for a long time Floy was in Caracas, Venezuela); and Laila Ikola Ojala, Miami, Fla. . . . We are all looking forward to October 24-25 for our 20th Reunion."

Harry D. Kolb (E). See page 25.

J. Henry O'Shea (A) is founder and partner of *Estate Services*, 1404 Franklin St., Oakland, Calif., doing estate planning business insurance and pension consultants.

Willis A. Pittman (I) has been advanced from pyridine and phenol recovery foreman to turn foreman, coal chemical department, Clairton Works, U. S. Steel. Mr. and Mrs. Pittman and

their five children live at 423 Wylie Ave., Clairton.

Richard S. Smithley (E) is with Ebasco International Corp., 2 Rector St., New York City.

Alma Trainor (L) is librarian of the Bellefield and Washington Vocational High Schools, Pittsburgh.

Norris R. Weibel (A) is a designer with River Raisin Paper Co., Display Division, Monroe, Mich. He married Dorothy Gray of Greenville, Pa., May 1949 and they live at 423 Washington St., Monroe.

1933

David H. Avner (I) is a sales engineer for Reliance Steel Products Co., McKeesport, Pa. He and Mrs. Avner (Elaine Breskow, M'40) live at 5344 Highgrove Rd., Pittsburgh 27.

Helen Hunt Bencker (A) was the subject of an article in the *Pittsburgh Press* of July 2 by Lenore Brundige. Miss Bencker is a lingerie designer for Laros and at present lives in the Greenwich apartment formerly occupied by Theodore Dreiser.

Joseph C. Bronson (I) is with the Curtis Publishing Co., Philadelphia, Pa.

Mr. and Mrs. Melvin J. Kofoed (Helen Newmeyer, M) and their two daughters moved to 16404 Maplewild Ave., Seattle 66, Wash.

Christine E. Leighou (M), secretary and local cashier, Detroit District Sales Office, U. S. Steel Co., lives at 16247 Baylis Ave., Detroit.

M/Sgt. Clarence H. Sander (E), USAF, is with the 1051st Maintenance Sq., Andrew AFB, Washington 25, D. C.

Kenneth R. Sterrett (E) is telephone engineer for North Electric Mfg. Co., Galion, Ohio.

Dr. Earl L. Warrick (E), Mellon Institute senior fellow, took office July 1 as chairman of the Pittsburgh Section, American Chemical Society.

1934

Mrs. Ruth Schick Brown (M) teaches in the Turtle Creek, Pa., High School.

Mr. and Mrs. Raymond A. Douds (E and Martha Lincoln, M) live on R.D. 4, Pittsburgh 9, Pa. Raymond is with Dravo Corporation.

Rodney Reynolds (E) is owner of the Silver State Lodge, East Fourth St., Reno, Nev. He is a member and past director of the Reno Rotary Club, a director of the Reno Executive Club, secretary of the Reno Motor Court Association and has an interest in the Reno Silver Sox Baseball Club.

Sidney P. Stewart (E) is radio news editor, Travelers Broadcasting Service, WTIC, Hartford, Conn. He and Mrs. Stewart (Elizabeth Meek, L'38) live at 44 Chamberlain Rd., Wethersfield, Conn.

1935

Sympathy of the class is extended to Willard S. Alter in the loss of his wife, Virginia Neel Alter on July 10, 1952.

J. L. Clark (E) is president of Clarvan Corporation, Milwaukee, Wis.

Sympathy of the class is extended to Mrs. John F. Connors (Mary Alice Shield, M) in the loss of her mother in June.

James Cooperman (E) has been appointed a research chemist at Armour Research Foundation of Illinois Institute of Technology.

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HOMECOMING AND REUNIONS—OCTOBER 24 AND 25, 1952

CARNEGIE ALUMNUS

Martha L. Cornelius (A) and her sister Aleta (Mrs. Knute P. Malm, Jr., A'44) were chosen by Kappa Kappa Gamma to receive the National Fraternity's award for Individual Alumnae Achievement in the field of art during this biennium and attended the national convention at the Homestead, Hot Spring, Va., July 12, to receive the award. Since the beginning of this year Marty has been employed at Joseph Horne's Store writing ads for the newspapers. She writes the copy for all undergarments, all fabrics . . . for clothing or decorator fabrics, bedding, linens, day dresses, and for the Floor of Youth—from infants to high school.

Walter H. Derdeyn (A), manufacturers representative, lives at 1022 Murrayhill Ave., Pittsburgh 17, Pa.

Mrs. Roderick A. Frankenberg (Helen Sickenberger, M) of Wilksburg, died August 7, 1952 of poliomyelitis. In addition to her husband, she is survived by two sons, Bobby and Tommy; her parents, Mr. and Mrs. R. E. Sickenberger of Pittsburgh; and a sister, Mrs. Louise S. Ventura, M'37, of New Kensington.

Oscar Hakman (E), sales engineer for Continental Foundry & Machine Co., lives at 148 Maryal Dr., Pittsburgh 27. He and Eleanor Fell Werner were married last summer.

James A. Keenan (E) is manager, Rocket Division, Goodyear Aircraft, Akron, Ohio.

Arthur A. Krudener (E) is with McClure Johnston Co., Pittsburgh. He and Mrs. Krudener (Mary Turner, M) live at 644 Royce Ave., Pittsburgh 16.

Mrs. William P. Murdoch (Marshie Barr, M) wrote from 6552 44th Ave., N. E., Seattle 5, Wash.: "We came to Seattle in March from Cleveland when Bill was called back in the Navy as Supervision Inspector of Naval Materials, 13th Naval Dist. We have 2 children; Bill, 11, and Lennie, 6."



LOYAL J. MURPHY, E'18

has been promoted to manager of the Engineering and Service Department of Westinghouse in Up-state New York. Murphy, a veteran of 34 years with Westinghouse, has filled many assignments for the company and was transferred to Buffalo 13 years ago. He is a member of many professional societies, the Rotary Club of Eggertsville-Snyder, N. Y., and is a past president of the Amherst Symphony Orchestra Association. His office address is 814 Ellicott Square, Buffalo 3, N. Y.

Dorothy Neuman (A) is acting, directing and costuming at the Turnabout Theatre, Los Angeles. She has had small parts in over two dozen films—latest "Holiday for Sinners," M.G.M. She also had parts in "Snake Pit" and "Sorry Wrong Number."

Margaret L. Siebert (M) received her Master of Social Work degree from University of Southern California in June.

August E. Vandale (E) is Division Superintendent of Westland Division of Pittsburgh Coal Co.

1936

Mrs. Robert L. Atwell (M) and her husband who assumed a pastorate in Glenside, Pa. in Feb., live at 2450 Norwood Ave., Roslyn, Pa. They have three children, 7, 8 and 10.

Donald C. Blackwood (E) is general agent of the Pittsburgh agency of the National Life Insurance Co. of Vermont. He is at present a director and first vice president of the Pittsburgh Life Underwriters Association.

Richard D. Darrah (A), sales manager for Dravo Corp., lives at 5550 Beverly Pl., Pittsburgh.

Robert W. Halli (E) is chief project representative—structures—for G. L. Martin Co., Baltimore, Md.

George H. Kittredge (A), LCDR, USN, was recalled to Navy duty in September 1951. He and Mrs. Kittredge announced the arrival of Elizabeth Ann on April 16, 1952.

Florence Pyle (A). See page 4.

Mr. and Mrs. Gerard I. Sawyer (E and Margaret Nichol, M) were blessed by the arrival of Mark W. Sawyer on April 24. The Sawyers have four other children.

Jesse C. Taynton (A), librarian of the Philadelphia Orchestra Association, recently was the speaker at the Music Library Association meeting in New York City.

Mrs. Hugh Wilson, II (Olive Carey, M) lives at 71 Amherst Rd., Albertson, L. I., N. Y. The Wilsons have three children, 8, 4 and 1 year old.

1937

Herbert Herz (A) lives at 67-66 108th St., Forest Hills 75, N. Y.

William Herz, Jr. (A) is a theatre ticket broker at 234 W. 44th St., N. Y. 36, N. Y.

John E. Herzog (E), project engineer for Pittsburgh Forgings Co., lives at 938 Pine Ave., Pittsburgh 34.

Cathryn E. Law (A) is a secretary at Jones & Laughlin Steel Corp., Gateway Center Bldg. 3, Pittsburgh.

Mr. and Mrs. William E. Leety (E and Mary Alice Murray, M'38) live at 1060 Longmeadow St., Longmeadow, Mass. Bill is a supervising engineer for Gilbert & Barker Mfg. Co.

William Rauschal, Jr. (E) is production manager for The Viking Press, Inc., New York, and lives at 12 Linwood Ave., Riverside, Conn.

Ruth Roth (M) received the Master of Public Health degree cum laude from Harvard University.

Alden H. Smith (A) is assistant professor, speech and drama department, San Jose State College, Calif.

Sympathy of the class is extended to Mrs. Nicholas Ventura (Louise Sickenberger, M) in the loss of her sister. See 1935.

1938

Chester R. Cooper (A) is television studio manager for WFIL-TV, Philadelphia, Pa.

Walter P. Ketterer (E), after 5 months in Wyoming, has returned to Oklahoma City, Okla. He asks, "Aren't there any other E'38's in this part of the world?"

Fred N. Lehmann (E) is staff superintendent, tire manufacturing, B. F. Goodrich Co., Akron.



FRANK A. KOLB, E'27

has been appointed advertising manager for the Standard Oil Co. of Ohio. He took over his duties on June 16. Kolb was formerly assistant general sales manager of the Cleveland Electric Illuminating Co., which position he assumed in 1944 after 17 years with the Duquesne Light Co. at Pittsburgh. At the time of his appointment to Sohio he was in Washington on leave as an industry man asked to assist in directing the defense mobilization program on a "without compensation basis." He was special assistant to the administrator of the Defense Electric Power Administration. Kolb is a former president of the Cleveland Carnegie Clan.

Herbert Moscow (E) is president of Wickersham Press, Inc., L. I. C., N. Y. He and Mrs. Moscow announced the arrival of their fourth child, a son, on February 19, 1952.

Mr. and Mrs. Charles W. Philhour, Jr. (A and Emma Suess, A'36) live at 5880 S. W. 52nd Ter., Miami, Fla. Charles is an associate professor in the Drama Dept. of the University of Miami, Coral Gables, Fla.

Edward Roncone (A), music teacher in the Butler Junior High School, received high praise as conductor of the Butler County Symphony Orchestra as it finished its third successful year this spring.

Sympathy of the class is extended to James D. Sands (E) in the loss of his father in June.

1939

Quentin N. Cunnipgham (E) is a sales engineer with offices in the Investment Bldg., Pittsburgh 22, Pa.

Richard Dahlstedt (E) is Pittsburgh district manager, The Hamilton Autographic Register.

William E. Johnston (E) is finishing a new home on Buckwheat Hill Rd., Waterbury, Conn. He and Mrs. Johnston have a new daughter, Melissa, born in March, 1952.

Philip A. McDermott (E) is a chemical engineer with Koppers Co., Kobuta, Pa.

Mr. and Mrs. Willard A. Neis (E'38 and Ruth Brahamer, M'39) and their four children live at 630 Honey Creek Pkwy., Wauwatosa, Wis.

John E. Swearingen (E) in June was elected a director of Standard Oil Co. (Indiana). He is general manager of production for the company and the youngest executive ever elected to the board.

Janet F. Tyler (A), actress on TV and radio, lives at 305 East 44th St., New York.

HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952

Mrs. H. A. Wood (Margaret Marks, L.) is librarian at the Crafton, Pa., Public Library.

1940

Waldemar O. Breuhaus (E) is assistant head, Flight Research Dept., Cornell Aeronautical Lab., Buffalo, N. Y. The Breuhaus's who live on Mill St., RFD East Aurora, N. Y., have a son born in January.

Sympathy of the class is extended to Alfred C. Danks, Jr. (E) in the loss of his father. See 1911.

Kathryn O. Demmler (M) is a secretary with U. S. Steel Co. and lives at 810 Perry Hwy., Pittsburgh 29.

Robert S. Finkel (A). See page 28.

Donald J. Inrig (E) is a salesman with F. Englert Litho Co. and lives at 615 Somerville Dr., Pittsburgh 16.

Fred T. Loeffler, Jr. (A) is an architect with Hoffman & Crumpton, Architects, and lives at 227 N. Homewood Ave., Pittsburgh 8.

John E. O'Reilly (E), chemical engineer with Harbison Walker Refractories Co., lives at 352 Canterbury Dr., Oak Hill Manor, Pittsburgh 15.

Their fourth child, a son James Walter, was born to Mr. and Mrs. W. Mark Shaw (E and Dorothy Douthitt, M) on August 8, 1952.

Mrs. Paul Sheldon (Marjorie McCann, A) lives at 291 Burns St., Forest Hills, N. Y.

We received information in May that Irene von Horvath (A) was in Europe.

Sympathy of the class is extended to Frances L. Zahrobsky (M) in the loss of her sister Mary on July 6. See 1921. Frances is surgical nursing instructor at West Penn Hospital, Pittsburgh.

1941

Robert B. Campbell (E), Major, USA, expected to return to Korea this month, assigned to Korean Military Advisory Group.

Mrs. James M. Hass, III (Patricia Spooner, M) is at Fort Huachuca, Ariz., where her husband is with the 304th Aviation Eng. Grp.

Major David J. Jakovac (E) has been assigned as deputy Air Force plant representative at the G. L. Martin Co., Baltimore, Md.

Ray P. Litton (E) is general superintendent of Day & Zimmermann, Inc., Kansas City, Kans.

John A. Lloyd (E) lives at 1440 W. Melrose Dr., Rocky River, Ohio.

Richard H. Provance (E) is an instrument engineer with Sverdrup & Parcel, Inc., Consulting Engineers, and has moved with his wife and three children to 4135 Poepping St., St. Louis 23, Mo.

Mrs. Richard L. Robinson (Helen Gillis, M) died on March 19, 1952, at Columbia Hospital, Pittsburgh, after a prolonged illness. She is survived by her husband, Richard L.

Harry B. Sacks (E) is owner of Place Auto Electric Co., 333 G St., San Bernardino, Calif.

Irving M. Seideman (E), his wife and 2-year-old daughter have moved to 2527-D S. Harvard Ct., Tulsa 5, Okla. Irving is associated with Electronic Supplies in Tulsa.

Sally C. Yates (M) is now Mrs. Henry W. Stein of 46 Mercury Ct., West Springfield, Mass.

1942

James J. Boyle (E) a research chemical engineer with the Engineering Corps at Ft. Belvoir, Va., died there on June 19, 1950. Surviving are his widow, Charlotte Morris Boyle, and a daughter, Linda Diane.

Mrs. Merle Hallman (Margaret Vetter, A) and her husband who is a minister live at 1017 Maplewood Ave., Ambridge, Pa. Margaret teaches piano in her home, is active in church and choir work and anything connected with music.

Charles W. Hillenbrand (E), 2231 Lucina Ave., Pittsburgh 10, is with the U. S. Steel Co.

Thomas C. Jackson (E), mechanical and elec-

trical engineer with Michigan Limestone Div. of U. S. Steel Co., Detroit, lives at 1265 Maryland Blvd., Birmingham, Mich.

E. Jean Mahaffey (A) is now Mrs. Leon N. Baumer and her address is Box 460, RD 2, Hulton Rd., Verona, Pa.

John T. O'Brien (E) opened his own civil engineering office in Washington, Pa., two years ago. He and Mrs. O'Brien and their 3-year-old son live in Sheraton Manor, R.D. 2, Washington.

The sympathy of the class is extended to Charles J. Raiffeisen (E) whose wife was killed in an automobile accident on the Pennsylvania Turnpike on Memorial Day weekend.

Charles C. Richardson (E) is vice president of the Dick Richardson Co., 2223 Guinotte St., Kansas City, Mo.

Mrs. Albert Rocchini (Norma Squitieri, M) is serving her second term as president of the Springdale-Cheswick Junior Woman's Club.

Sympathy of the class is extended to Mrs. Robert Soles (Ruth Neel, M) in the loss of her sister, Mrs. Virginia Alter on July 10, 1952.

Margery Zoe Taylor (M) is psychiatric social worker for Queens General Hospital, Jamaica, L. I., N. Y.

Howard W. Weiser (E) wrote: "Our family is happy to report that twin boys, Glenn Barrett and Douglas Howard, joined our two girls on May 1, 1952. The boys weighed in at 7 lb. 15 oz. and 6 lb. 15 oz. and are doing fine. We



STELLA E. HARTMAN, M'27

can justly lay claim to wide experience in social work. In pursuit of her career she has crossed the country. After leaving Carnegie, she was director of a community center in the Mission District of San Francisco, where her success in dealing with nationality and racial groups brought her to Pittsburgh as field secretary on the staff of the Federation of Social Agencies. Her organization work in the Hill District, Soho, Oakland and Lawrenceville was so well done that the clean-up campaign almost swamped the city's public works department. Again the West called and she returned to the Pacific Coast and a job as secretary of Group Work for the Los Angeles Health and Welfare Council, where she stayed eight years only to move east to Indianapolis as Group Work Secretary of the Health and Welfare Council there. She also served as secretary of the Census Tract Committee at Indianapolis. On January 1, 1952, Miss Hartman again moved west to Omaha as director of the Group Work Division and director of research in the United Community Services. She arrived just in time to get adjusted for the flood emergency last spring.

have our home in Glen Rock, N. J., and luckily finished off our expansion attic two winters ago. I am still at Wright Aeronautical, working as an Asst. Proj. Engr. on the development of control systems for turbo prop engines."

Warren John Young (E) is communications engineer for the Erie Railroad, Cleveland, Ohio. The Young's announced the arrival of a daughter, Priscilla Stewart, on April 18, 1952.

1943

Theodore A. Burtis (E), chief of the economics section of Houdry's research and development department since 1947, was recently made director of development.

Wilda J. Cook (M). See page 26.

Mr. and Mrs. Nelson H. Crooks (E and Lucille Orr, M) have a baby girl, Lisa Jane, born April 7, 1952.

Egan Alex DeZubay (E) received his doctorate from CIT in June. He and Mrs. DeZubay (Magdalene Petrick, M'52) live at 141 Orchard Rd., Pittsburgh 35.

Max Fishman (E) is senior research engineer for Consolidated Vultee Aircraft Co., San Diego, Calif. Dr. Fishman delivered a paper before the Institute of Radio Engineers at the March convention.

Mrs. Stanton L. Frankle (Reva Treelisky, M) and her husband are civilians again. They live at 309 White House Lane, Youngstown 12, Ohio.

Arthur S. Friedman (E) is a sales engineer for Carey Press Corp., New York City. He, Mrs. Friedman and their two children live at 2144 Seneca Dr. W., Merrick, L. I.

Dr. Millard F. Gordon (E), associate professor of engineering at Brown University, is engaged in research under a Navy contract which centers on the study of noise in radar-tracking systems. Dr. and Mrs. Gordon (Virginia Sunseri, M'45) have a 5-year-old son, Douglas.

Fred W. Hansen (E) is an industrial engineer with International Business Machines and lives in Apt. 18, 116 Beethoven St., Binghamton, N. Y.

Donald P. Jordano (E) is an industrial engineer at the Homestead Works of U. S. Steel. His residence is 214 Park Entrance Dr., Pittsburgh 28.

Mr. and Mrs. Charles D. Kutschbach (Barbara Taylerson, M), 14 Mitchell Dr., Pittsburgh 28, have a son, David Carl, born June 19, 1951.

Milton Levine (A) directed and produced a company of *Kiss Me Kate* for summer theatres.

Charles J. Mundo, Jr. (E) received his Doctor of Science degree from CIT in June.

Elsie M. Scott (M) is now Mrs. Robert C. Lister, 489 Babcock Blvd., Allison Park, Pa.

Gloria Mae Siegle (A) was the subject of Ralph Lewando's *Who's Who in Pittsburgh Music Circles* in the PITTSBURGH PRESS of June 1. Miss Siegle is composing the score for a revue, and recently gave a highly interesting program of her musical satires at the YM-WHA.

Everett H. Stetson, Jr. (E) received his Master's in Metallurgical Engineering from CIT in June.

1944

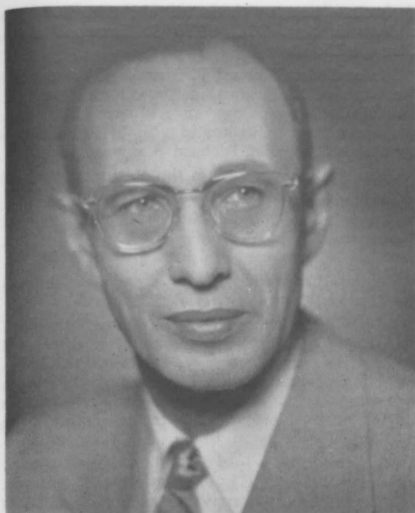
Rosanne Calderwood (M) was married to James H. Bechtold on August 25, 1951. They are living at 1065 Findley Dr., Pittsburgh 21 and now have a son, Thomas Edward, born May 17.

Fred Corey (E) has been released from Army duty and is now with Chance-Vought as a System Engineer. He and Mrs. Corey (Dorothy Stauff, M'45) are living at 1714 Argentia Dr., Dallas, Texas.

Mr. and Mrs. Walter Darby (E and Helen Sacco, M'45) announced the arrival of Cheryl Ann on June 26, 1952.

William A. Gabig (E) received his Master of Science degree in Mechanical Engineering at the University of Houston in June. Bill is with Shell

HOMECOMING AND REUNIONS—OCTOBER 24 AND 25, 1952



RICHARD R. SITZLER, E'26

has been designated as responsible for the technical control function for all plants of the Celanese Corporation of America in Central and South America. Sitzler, as technical superintendent, will have control of four plants in Mexico and one each in Colombia and Venezuela. Before his recent promotion he was superintendent of technical control at the Amcelle plant at Cumberland, Md. His headquarters will be in New York and his residence at 208 Orange Rd., Montclair, N. J.

Chemical Co. at Houston and is president of the Houston Clan.

Kenneth Marvin Goldman (E) received the Doctor of Science degree from CIT in June.

Mrs. Raymond Hepner (Ethel Levin, M) writes from 617 South Ter., Huntington, W. Va.: "Recently moved here where my husband is establishing his business—Raybo Chemical Co. I am interested in hearing from any neighboring TECHites." The Hepners have two children, 4 and 1 year old.

Sympathy of the class is extended to Robert F. Heyl (E) in the loss of his mother on July 18.

Major and Mrs. Harold A. Langstaff (Ruth Means, M) have a daughter, Nancy Louise, born April 27, 1952. Ruth is back in Pittsburgh—Apt. 4 Alvern Gardens, 902 Vermont Ave.—since her husband has gone to Korea.

Ruth V. Luebhe (A) has resigned from the music department faculty of Gettysburg College to join the Dean's staff at Syracuse University and will study for her doctor's degree.

Mrs. Knute P. Malm, Jr. (Aleta Cornelius, A). See 1935.

Lois A. Nosich (A), teacher in Baldwin Schools, is now Mrs. Dolya Goutman of Arnetcliffe, Bryn Mawr, Pa.

Earl W. Obringer (E), of Mentor, Ohio, president and general manager of Consolidated Service Inc., Wickliffe, Ohio, was killed June 9, 1952, in an airplane accident near Cleveland. Mr. Obringer was assistant professor in engineering at CIT for 18 months and then became associated with Lincoln Electric Co. at Cleveland until he founded the Consolidated Service. Besides his widow, Mrs. Betty Fillinger Obringer, he is survived by three sons, Earl, Brian and Steven; his father; two brothers and one sister.

John C. Ornea (E) received his Doctor of Science degree from CIT in June.

Irving S. Paley (Palefsky, E) is a partner in the Morris Construction Co., Lowell, Mass., which specializes in commercial and institutional buildings. The Paleys including a 2½-year-old

son, live at 25 Belmont St., Lowell, Mass.

Mr. and Mrs. Alex E. Segal (A'40 and Ruth Storm, A), 290 Riverside Dr., New York City, have a 19-month-old daughter, Candy.

Clifford A. Taylor, Jr. (A) instructor in music at Pennsylvania College for Women, will have his "Five Songs in English Texts" published by Associated Music Publishers Co., N. Y.

1945

Deepest sympathy of the class is extended to Mrs. Carl Colombo (Patricia Weakland, M) whose husband was killed in a takeoff crash at a Japanese airbase. The couple has a year old daughter, Mary Carolyn, born at Donaldson Air Force Base, S. C.

Lenore DeWall (A) is now Mrs. C. P. Loucks, 750 Dodge Ave., Evanston, Ill.

Ralph A. Eyman (E) is with R. B. Carter Sales Co. of Fla., Inc., and lives at 191 W. Enid Dr., Miami 49, Fla.

Mrs. Earl F. Jacoby (Ann Herbert, M) her husband and 18-month old daughter live on McKinney Rd., R.D. 1, Allison Park, Pa.

William C. Leone (E) received his Doctor of Science degree from CIT in June. He and Mrs. Leone (Sara Jane Hollenback, M'51) have a son, Billy, Jr., born January 4, 1952.

Brigitte Loevy (M) is a social worker with the Jewish Family and Children's Service, Denver, Colo.

Salvadore Guido Manetti (E) received the Master of Civil Engineering degree from Brooklyn Polytechnic Institute in June.

Dr. George E. Pake (E). See page 6.

Freeman J. Phillips (E) is plant metallurgist at the Vandergrift plant of U. S. Steel Co. He was formerly co-ordinator of metallurgical development at the Irvin works.

Robert P. Smith (E), development engineer, Aerojet Engineering Corp., Azusa, Calif., has been doing research on combustion instability and other interior-ballistics problems of solid-propellant rockets for the past two years. He expects to publish papers soon.

George R. Taylor (E) received the Doctor of Science degree from CIT in June.

1946

Madelin I. Bechtle (M) and Charles R. Thomas, Jr. were married in July. The couple is living in East Liverpool, Ohio.

Helen M. Gossard (A) spent last winter at the University of Southern California. She planned to return to Cadek Conservatory in Tennessee this month.

Mrs. Abel Grijalba (Betty Motter, A) has moved to County Court Apts. C-2, Media, Pa.

An exhibition of "American Saints" by Constantine Kermes was shown in the Art Gallery of the Public Library, Erie, Pa., during May.

Carl A. Keyser (E) of the engineering school faculty at the University of Massachusetts is author of a new text on "Basic Engineering Metallurgy," recently published by Prentice-Hall.

Lt. (jg) William C. Neagley (E) was one of 61 survivors rescued from the ill-fated destroyer-minesweeper Hobson which collided with the Aircraft Carrier USS Wasp on April 22.

John Fletcher Osterle (E) received the Doctor of Science degree from CIT in June.

Albert Posternak (E) is a member of the staff of Dr. Roy Herrmann, Management Consultant, New York. He was formerly an industrial engineer with the Armstrong Rubber Co., West Haven, Conn. His mailing address is 549 Haverhill St., Lawrence, Mass.

Mr. and Mrs. Charles D. Reimer, Jr. (Catherine Munce, M) have a new daughter, Judith Lynn, born May 29, 1952. They now have two girls.

Arthur E. Ross (E) has completed his study of Law at New York University and been ad-

mitted to Practice in the State of New York. He is presently engaged with the Department of Justice.

1947

Franklin G. Allen (E) is a senior at Ohio State University Law school.

Mr. and Mrs. Gilbert W. Bassett (E and Jean McDonald, M'44) and their three sons live at 23 Mohawk Dr., Clarendon Hills, Ill.

Joel Bigelman (E) died October 19, 1949 of tuberculosis. At the time of his death he was employed by the Bell Telephone Co. of Havana, Cuba.

Lawrence N. Canjar (E) received the Doctor of Science degree from CIT in June.

Mrs. Gerald P. Durkan (Nancy Smith, M) and her husband who is a Doctor in U. S. Navy, stationed in Atlantic City, N. J., have a young son born May 15, 1952.

James U. Eynon (E) is an engineer with Leeds & Northrup Co., Philadelphia.

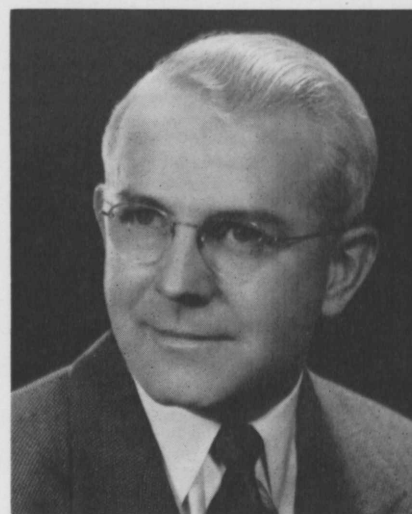
Simon Foner (E) received the Doctor of Science degree from CIT in June.

Paul N. Gustafson (E) received the Doctor of Science degree from CIT in June.

Elmer A. Hescong (A), 19 Spruce Pl., Hohokus, N. J., is a designer for Celanese Theatre, ABC-TV.

George W. Hinman (E) and Mary Cauffield (M'51) were married June 19 and are living at Box 338, Lewin Lane, Pittsburgh 35. Mr. Hinman received his D. Sc., from Carnegie at the June commencement.

John Judson Keyes, Jr. (E), development engineer for Carbide & Carbon Chemical Co., Oak Ridge, Tenn., received his Ph.D. in Chemical Engineering at University of Delaware in June. In addition to his B.S. from Carnegie, he received his M.S. from the University of Michigan. The Keyes live at 238 W. Vanderbilt Dr., Oak Ridge, Tenn.



HARRY D. KOLB, E'32

formerly assistant manager of the Training Division of Esso Standard Oil Co. in New York, has been named head of the Information Division of the Employee Relations Department. Mr. Kolb will aid in the development of media and materials for internal distribution, programs for employee meetings and forums. His division will also conduct research in the field of employee communication and assist offices in developing communication programs. Except for service in World War II as a Lieutenant Colonel in the U. S. Air Force training and management, Kolb has been with Esso Standard since 1934. He is a past president of the New York Carnegie Clan.

HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952

Mrs. Leonard F. Klasmeier (Jane Ramsey, M). See page 1.

Mrs. Granino A. Korn (Theresa McLaughlin, E). See page 6.

Kenneth Lipman (E) and Leah Cohen were married June 22 and are now living at 240 Melwood Ave., Apt. D-3, Pittsburgh 13. Kenneth is with the Bureau of Mines.

Mr. and Mrs. Joseph P. Luther (E and Joanne Tischlarich, M'42) have moved to 3411 Front St., San Diego 3, Calif. Joe is general manager of Frye & Smith, a printing firm.

Edwin G. Meyer (E) received the Master of Electrical Engineering degree from Brooklyn Polytechnic Institute in June.

Ruth Peaslee is children's librarian in the King County, Washington, Library.

Robert V. Secrist (E) is assistant general foreman of the Coke Plant of Republic Steel Corp., Cleveland, Ohio.

Vance E. Senecal (E) received the Doctor of Science degree from CIT in June.

Joan Corwell Siegfried (A) has received a Fulbright Scholarship to study Art History at the University of Paris, Paris, France.

Edward Von Halle (E) and Elizabeth Sgourakis were married January 31, 1952, and are living at 224 N. Purdue St., Oak Ridge, Tenn., where Ed is with Union Carbide Co.

Morris J. Weinbaum (E) received the Master of Science in Metallurgical Engineering degree from CIT in June.

Mrs. Kirk Willis (Sue Crobaugh, A) in May had completed a National Tour with Barter Theatre of Virginia as Portia in "Merchant of Venice." She played Annie in "Annie Get Your Gun" this summer.

Charlotte Mae Young (M) and Clifford Wade McDanel, Jr., of Elwood City, Pa., were married August 8, 1952, in Sandy Springs, Md. Charlotte's mother is Mrs. Charlotte Schaffner Young (M'10).

1948

Dr. and Mrs. Ewart M. Baldwin (E and Dolores Klester, M'50) announce the birth of a daughter, Barbara Ann, on January 19, 1952.

Maurice F. Baldy (E), metallurgist with National Tube Co., lives at 1801 Montier St., Pittsburgh 21.

R. Bates Brown, Jr. (E) is assistant production manager for S. C. Toof & Co. and lives at 3605 Norriswood St., Memphis 11, Tenn.

Chiao Lin Chang (E) received the Doctor of Science degree from CIT in June.

Mr. and Mrs. Robert L. Clark (A) announced the arrival of William Kiefer Clark on March 1. The Clark's have just bought a 5-acre orange grove at 5244 N. Sunflower, Covina, Calif.

Mark L. Crum, Jr. (L) is librarian of the Public Library, Charleston, W. Va.

Richard L. Dahlgren (E), resident engineer in the Detroit Office of Marlin Rockwell Corp., was married February 2, 1952, to Evelyn Schmidt of Detroit. They are living at 20781 Audrey St., Van Dyke, Mich.

Mr. and Mrs. James O. Denny, III (E) have a third son, Harmar Denny Denny, IV, born May 18.

Louis S. Edmonds (A) was on a 7-month's tour with Edward G. Robinson in "Darkness at Noon."

Joseph W. Elger (E) was the Shell Oil company's representative in the design and construction of a new 194-ton, \$500,000 reactor for the company's 14-story catalytic cracker at Wilmington, Calif. He and Mrs. Elger (Patricia Fullerton, M'44), now of Long Beach, Calif., have two children.

Simeon A. Friedberg (E) and Carl M. Friedrich (E) received their Doctor of Science degrees from CIT in June.



WILDA J. COOK, M'43

a resident of St. Petersburg, Fla., recently entered the field of politics. She announced her candidacy for the office of Supervisor of Registration and was successful in the May primaries. She now has to face Democratic opposition in the November election. After graduation from Margaret Morrison, Miss Cook immediately left for Texas to serve with the American Red Cross during World War II. After the war she served as a medical social worker at the Veterans Administration, Pass-A-Grill Beach, Fla., and in 1950 supervised 36 enumerators in taking the 1950 United States census. She is a member of the American Association of Social Workers and chairman of Membership Committee of the Women's Republican Club of St. Petersburg.

Mr. and Mrs. G. H. F. Gardner (E) have returned to Dublin, Ireland, from Oxford, England, where Mr. Gardner has fulfilled an engagement to lecture at Oxford University.

Mary A. Gibson (A) and Edward J. Masich were married September 8, 1951. They now live at 23 Corbalis Pl., Yonkers, N. Y.

S. Ronald Hacker (A) has been appointed to the product design and development section of Andrea Radio Corp., Long Island City, N. Y. He has been associated with the TV and electronics trade since 1948.

William B. Hall, Jr. (E) is assistant business manager for Hall Printing Co., High Point, N. C.

Emil A. Holz (A) was the subject of Ralph Lewando's *Who's Who in Pittsburgh Music Circles* in the PITTSBURGH PRESS of June 8. Mr. Holz is director of instrumental music in the Weirton, W. Va., Public Schools.

Mr. and Mrs. R. W. Hotchkiss (E) have a daughter, Deborah, born May 14, 1952.

Mr. and Mrs. G. Andrew Krestel (E and Shirley Enslin, M'46) have a son, Dennis Drew, born May 14, 1952. Andy is a salesman for the Tubular Products Div. of Babcock & Wilcox in their N. Y. C. office. The Krestels live at 119 Turn-of-River Rd., Stamford, Ct.

George H. Minton, Jr. (E) and Rodolphe L. Motard (E) received the Doctor of Science degrees from CIT in June.

Howard B. Palmer (E) was awarded his Ph.D. degree by the University of Wisconsin in June. He has a post-doctorate research fellowship at Brown University, Providence, R. I., and will be there this year in the Metcalf Research Laboratory.

Bert D. Pollock (A) is still Staff Entertainment Director of the Fifth Army. He writes: "Would

appreciate hearing from all old friends." His address is Apt. 904, 5110 S. Kenwood Ave., Chicago 15, Ill.

Mr. and Mrs. Richard V. Russell (E) announce the birth of Richard Alan Russell on April 22. The Russells are living in Ardmore, Pa. Mrs. Wesley Altman (Rachel Magill, M'17) became a grandmother when Richard Alan was born.

Grace M. Shakin (L) is the elementary school librarian at Lakeville School, Great Neck, N. Y.

Mr. and Mrs. John R. Smith (E and Margaret Grossman, M), 316 Sprague Rd., Berea, Ohio, have a son, Gregory John, born July 4, 1951.

Robert H. Smith (E) is a radio technician for Peoples Natural Gas Co., Pittsburgh.

John C. Stephenson (E) has joined the staff of Arthur D. Little, Inc., industrial research and engineering organization of Cambridge, Mass. He will participate in their consulting work with overseas clients. Mr. Stephenson received a Master of Business Administration degree from Harvard University in June.

Mr. and Mrs. José Tejada Sáenz (Sonny Jimenez-Arbelaes, E) of Medellin, Colombia, S. A., announce the arrival of a daughter, Silvia Natalia, on June 6, 1952.

Shirley Mae Turner (A) is field director for the Anderson Girl Scouts, Inc. and writes that she would be interested in hearing from any former Tech friends. Her address is 307 West 12th St., Anderson, Ind.

Phillips Whidden (E) and Edmond J. Whittenberger (E) received the Doctor of Science degree from CIT in June.

1949

Jay W. Atman (E), assistant to Product Mgr., Alcoa, Cleveland, lives at 2050 Wooster Rd., Rocky River, Ohio.

George Lee Baldwin (E) received the Doctor of Science degree from CIT in June.

At the June commencement of Wharton School of Business of the University of Pennsylvania, Myra Jane Barry (M) was awarded a Master of Arts degree in Industrial Relations. Myra Jane is the first alumnae of Carnegie to be graduated by Wharton.

Jack L. Boor (E) received the Master of Science in Industrial Administration degree from CIT in June.

Mary E. Brasch (L) is loan Librarian, University of Idaho Library, Moscow, Idaho.

John A. Ewart, Jr. (E) received his Master's of Business Administration from Harvard in June.

Helen K. Finlay (A) is married to Lester Simon, Jr., whom she met at the University of Illinois while working on her Master's in Theatre. The Simons live at 2322 Commonwealth Ave., Chicago 14, Ill.

John T. Kelly (A) received his Master's of Landscape Architecture from Harvard in June.

Winston Foong-Zung Lee (E) and Irving Leibson (E) received their Doctor of Science degrees from CIT in June. Leibson is with Humble Oil & Refining Co., Baytown, Texas.

Kun Li (E), research chemist at Carnegie, received his Doctor of Science degree from CIT in June. He and Mrs. Li (Jenny Wen-Hwa Tai, M'52) live at 4345 Andover Ter., Pittsburgh 13.

David R. Lide, Jr. (E) received the Doctor of Philosophy degree from Harvard in June.

DeForest A. Matteson, Jr. (E). See page 27.

John T. Pittenger (E) received the Doctor of Science degree from CIT in June.

George F. Pittman, Jr. (E) received the Doctor of Science degree from CIT in June and is now with Westinghouse Electric Corp.

John J. Regan (A) is an assistant in the Department of Fine Arts, Carnegie Institute.

Robert E. Reynolds (A), actor, lives at 4925 Van Nuys Blvd., Sherman Oaks, Calif.

HOMECOMING AND REUNIONS—OCTOBER 24 AND 25, 1952

Don L. Rubinfeld (E), received his Bachelor of Science in Printing Management from CIT in June.

Robert T. Siegel (E) received his Doctor of Science from CIT in June.

William C. Thomas (E) is assistant manager for Findlay Printing & Supply Co., Findlay, Ohio.

Andy Warhol (A) is working as an artist in New York. He expects to exhibit some of his drawings next winter, and recently won a medal from the Art Directors' Club. He has done illustrations for Harper's stories, the latest being with "Journey with a Lady" in the July, 1952, issue.

Mrs. Edward F. Willis (Ann Dubsik, A), registered architect, is with Frederic P. Wiedersum, New York City. The Willis' have a four-year-old girl, Adrien St. Cyr Willis.

Rolf G. Winter (E) received his Doctor of Science degree from CIT in June.

1950

Lou Adelman (A) was called a "promising playwright" in a write-up by Bert McCord in the *New York Herald Tribune* of April 24. Lou is working on a stage adaptation of "The Man With the Golden Arm," a novel by Nelson Algren.

Sidney Auslander (E) received his Master of Science in Physics degree from CIT in June.

Bruce B. Barrow (E) wrote: "Thought you might like to know that I'm interrupting my doctoral study for a year to accept a Fulbright grant for a year of study in the Netherlands. I'll be doing research at the Technical College at Delft. My address will be c/o U. S. Educational Foundation, Bequidenhout 18, The Hague, Netherlands."

Thomas H. Blewitt (E) is with Oak Ridge National Laboratory, Oak Ridge, Tenn.

Robert F. Burke (E) received his Doctor of Science degree from CIT in June.

Richard L. Deininger (E) received his Master of Science in Psychology from CIT in June.

Arthur D. Dickson (E) and Caroline Tautges were married June 19 in Minneapolis. They are both continuing their studies at the University of Minnesota where Arthur has an O.N.R. research assistantship in Infra-red Spectroscopy.

Donna Aileen Durin (M) and Norbert Andrew Kurty (E) were married April 19 at the Rocky River, Ohio, Methodist Church. The couple is living at 1 Cedar Blvd., Mt. Lebanon, Pa.

John M. Eames (A), actor-instructor, is at Stephens College, Columbia, Mo.

Mr. and Mrs. Floyd Eyler (E), 8036 Cantaloupe, Ave., Van Nuys, Calif., announced the arrival of a new daughter. They now have one boy and three girls. Floyd is still at Bendix Pacific Division, N. Hollywood.

Elsie M. Federoff (M) and William E. Wilkinson were married September 15, 1951. Elsie is a secretary for the United Steelworkers of America, Washington, D. C.

Edward W. Green (A) is company manager, Pittsburgh Children's Theatre. He and Mrs. Green (Arlene DuMond, A'49) are at home at 128 Park Pl., Brooklyn, N. Y.

Robert D. Haberstroh (E) who received his professional engineer's degree from Massachusetts Institute of Technology in June, will teach at CIT this fall while working toward his doctorate in engineering.

Donald Peter Hart (E) received his Master of Science in Chemistry from CIT in June.

Leland M. Hickman (E) is a procedures analyst for General Electric Co., Cincinnati, Ohio.

Lt. Leonard C. Higby, Jr. (E) is now stationed at Fort Monmouth, N. J.

Thomas Kirby, Jr. (E) was killed in a private plane crash on June 6, 1952, in Charleston, W. Va. He was a sales engineer with Dowell, Inc., and had recently been transferred to Charleston from Tulsa, Okla. He is survived by his parents,

Mr. and Mrs. Thomas Kirby of Washington, D. C., and a brother, Ensign Peter Kirby.

Shirley A. Lawrence (M) is secretary to an attorney with Westinghouse Electric Corp., Gate Way Center Bldg., Pittsburgh.

William J. Lewis, Jr. (E) is with the Aircraft Gas Turbine Dept. of General Electric and currently is a shift supervisor in development test. He is living at 2805 Strafford Ave., Cincinnati 20, Ohio.

Ned Manderino (A) was the director of an Equity company at Brookfield Center, Conn., for the past summer season.

George I. Mulholland (E) received his Doctor of Science degree from CIT in June.

Rev. and Mrs. John Neff (Nancy Cain, M) announced the arrival of Andrew Nelson on June 21.

Lt. Ames Penfield (E), was killed in an airplane accident June 1, 1952, near the Luke Air base in Ariz., where he was stationed. He received his wings and commission as a jet pilot at Williams Air Force base on March 22, and had been recently assigned to the Fifth Air Force at Luke field to do special work in gunnery. Surviving are his mother, Mrs. Ames Penfield of Oak Park, Ill., and a sister, Vanette.

Donald E. Peters (E) is field industrial engineer for National Institute of Cleaning & Dyeing, Silver Spring, Md.

Richard O. Peterson (E) received his Master's of Science in Psychology from CIT in June.

Lester Rawlins (A) is doing routing control work for Southern California Gas Co., Los Angeles, Calif.

Herman H. Riesmeyer (E) was transferred to Pittsburgh District Office of Clark Controller Co. He lives at 93 Mt. Lebanon Blvd., Pittsburgh 28.

David Rose (E) received his Doctor of Science degree from CIT in June.

Mr. and Mrs. Karl R. Schendel (E and Eloise Nettleton, M'45) have a new home at 1179 Elmwood Rd., Cleveland 24, Ohio. Karl is working for Clark Controller Co. and also attends Fenn College several evenings.



DEFOREST A. MATTESON, JR., E'49

has been appointed Associate Technical Editor with the American Society of Civil Engineers at the headquarters of the Society in New York City. Matteson was formerly a Technical Trainee with the Bethlehem Steel Co., Rankin Works, Braddock, Pa. In addition to his B.S. from C.I.T., he holds a B.A. from Allegheny College. He is living at 70 State St., Apt. 1-A, Teaneck, N. J.

Morton I. Schwartz (A) was business manager for the Nutmeg Playhouse, Connecticut, this past summer season. Morty lives at 4127 Bedford Ave., Brooklyn 35, N. Y.

Richard T. Senour (E) and Ruth Paulus were married July 28, 1951 and are now living at 515 Washington Ave., East Alton, Ill. Richard is in the research department of Shell Oil Co., Wood River, Ill.

Robert M. Sinclair (E) received the Master of Automotive Engineering degree from Chrysler Institute of Engineering in June and has assumed duties in Chrysler's Engineering Div. Mr. and Mrs. Sinclair (Jane Lawton, M) are living in Detroit, Mich.

F. Beckley Smith, Jr. (E) received the Master of Science in Mathematics degree from CIT in June.

Margaret R. Swift (M) is a dietitian at Shady-side Hospital, Pittsburgh.

Franklin O. Thomas (E) received a degree of Master of Automotive Engineering from the Chrysler Institute of Engineering in June. Mr. Thomas, who now lives in Detroit, has assumed duties in Chrysler's Engineering Div.

Seymour Tomashoff (A) and Naomi Lurie were married May 25 and are now living at 2192 Morris Ave., Bronx, N. Y. After 10 months as scenic designer for A.B.C., Seymour is now back in architectural work with J. D. Weiss, N. Y.

James W. Trittipio (A) is a scenic designer for ABC TV and lives at 105 E. 15th St., N. Y. C.

Edward Vogel (E), 108 Washington Ave., Pittsburgh 2, is with Pittsburgh Coke & Chem. Co.

Roger N. Wiewel (E) received his Master of Business Administration degree from Harvard in June.

Nicholas Winowich (L) is librarian of the McKeesport, Pennsylvania, Public Library.

1951

Donald L. Baeder (E) and Barbara Ayres were married June 9, 1952, in Berea, Ohio. They are living at 16 Willow Ave., Fanwood, N. J.

Lt. Henry D. Bickelman (E) is adjutant of the 880th Field Artillery Bn. in Korea.

John D. Bishop (A) is a Marine corporal, now in the Public Information office as a Combat Radio Correspondent in Korea.

Juan M. Bonetti (E) received his Master of Science in Civil Engineering degree from CIT in June.

Rointan F. Bunshah (E) received the Doctor of Science degree from CIT in June.

Donald A. Burt (E) received his Master's of Science in Electrical Engineering from CIT in June.

Mary Cauffield (M). See 1947.

Mary Ann Carlsen (M), home advisor, University of California, lives at 1220 Draper Way, Auburn, Calif.

Gordon L. Clawson, Jr. (E) is with Gibbs & Hill, Inc., 11 West 42nd St., N. Y. C.

Elias L. Corpas (E), with N.A.C.A., Cleveland, and Despina G. Pasalis were married April 27 and are living at 19152 Coffinberry Blvd., Cleveland 26.

Lee A. Cosgrove (E), with Alcoa, New Kensington, received his doctorate in June from CIT.

Mr. and Mrs. Robert T. Crouch (E) of Houston, Texas, announced the arrival of a son, John Robert, on May 20, 1952. Robert received his Doctor of Science degree from CIT in June.

Sympathy of the class is extended to Louesa Danks (M) in the loss of her father. See 1911.

William S. Doren (E) received his Master's of Science in Mathematics from CIT in June.

Lois Eagleson (M). See page 29.

Marius T. Edema (E) received his Master of Science in Industrial Administration degree from CIT in June.

HOMECOMING AND REUNIONS—OCTOBER 24 AND 25, 1952



PLATO KARAYANIS, A'52

has been awarded two major music scholarships. He will spend the summer studying voice at the Berkshire Music Center in Massachusetts and in the fall, will study under another scholarship at Curtis Institute of Music in Philadelphia.

Mr. and Mrs. William E. Feeman (E and Jocelyn Reston, A'49) had a baby girl, Alexandra Lynn on April 6, 1952, in Allentown, Pa.

Fritz J. Friedlaender (E) and David H. Geipel (E) received their Master's in Electrical Engineering from CIT in June.

Charles H. Grace (E), with Victoreen Instrument Co., Cleveland, Ohio, received his doctorate from CIT in June.

Lt. Leland J. Green (E) is serving with the Armed Forces in Japan.

George J. Habetler (E) and Samuel A. Heininger (E) received their doctorates from CIT in June.

George R. Hawkins (E) received his Master of Science in Industrial Administration degree from CIT in June.

Nathaniel J. Hess (E). See 1952.

Joseph T. Holland, Jr. (E) received his Master's in Electrical Engineering from CIT in June.

Lt. Leonard M. Ingham (E) is serving with the X Corps in Korea.

Ruth Elaine Jones (M) and Raymond Louis Madsen were married July 12, 1952, in Pittsburgh.

James M. Kendall, Jr. (E) received his Master's in Aeronautical Engineering from California Institute of Technology in June.

Charles E. King (E) is in the front lines in Korea in the Engineers Combat Group.

Agnes M. MacDougall (M) and Earl McKinney of the U. S. Army were married March 15, 1952.

Mr. and Mrs. Francis J. McWilliams (E and Ella Baum, M) announced the arrival of Francis James in May, 1952.

Mr. and Mrs. Julian W. Naetzker (A'52 and Patricia Johnston, M) live at 516 Prendergast Ave., Jamestown, N. Y.

John R. Neilson, Jr. (E) was married to Mary Jane Feeman on April 5, 1952. Floyd L. Wiseman (E) was an usher at the wedding. The Neilson's are residing at 111 Western Ave., Aspinwall, Pa., and would be happy to hear from any CIT grads who are near.

Robert C. Nelson (E) received his Master of Science in Industrial Administration degree from CIT in June.

James V. Nicholson (A) is the technical director at the Pittsburgh Playhouse, Craft Ave.

Charles J. Peters (E), Frank G. Primozech (E) and Edgar A. Sack, Jr. (E) received their Master's in Electrical Engineering from CIT at the June commencement.

Wilfred Thomas Rouleau (E) received his Master of Science in Mechanical Engineering degree from CIT in June.

Edward Schwender (E), 2410 Forest Oaks Blvd., Houston 17, Texas, has been transferred to Houston by the Hagan Corp. of Pittsburgh as their service engineer for Texas, Mexico and surrounding states in the Southwest.

Richard E. Smith (E) received his Master's in Electrical Engineering from CIT in June.

Harry M. Stanley (L) is an electronic engineer for the Federal Government in Hawaii.

Edmund Taylor (E) received his Bachelor of Science in Physics from CIT in June.

Frank A. Wagner (E) is a senior staff engineer for Western Engineering of Bell Telephone Co. of Pennsylvania.

Wanda Mary Walsh (M) received her Master's of Social Work from CIT in June.

Jay D. Wheaton (A) is an architectural draftsman for J. G. Armstrong, San Bernardino, Calif.

1952

Bettina Butts (M) and Nathaniel J. Hess (E'51) were married June 20, 1952 in Pittsburgh. They are living on Biner Rd., R.D. 1, Titusville, N. J.

John R. Cardone (A) is branch manager in Beaver Valley for the Home Soap Co. of Pittsburgh. He lives at 426 Third Ave., New Brighton, Pa.

Joan M. Galloway (M) and John B. Johnson were married June 14, 1952, and are living in Apt. E-17, Brentshire Village, Pittsburgh 27. Teddie Roofner (M), Mary Lou Rocks (M'53), Frank McGuinn (E) and Tom Mason (E) were attendants.

Janet B. Feigenbaum (M) is married to Dr. Arnold M. Steinman and they live at 5738 Wilkins Ave., Pittsburgh 17.

Marion J. Hibbard (A) and Donald L. Dwyer were married June 14, 1952 in Pittsburgh. Marion is skating with the International Ice Attraction, Inc., Rockefeller Center, New York City.

Trygve Holst (E) is with the Department of Printing & Journalism, South Dakota State College, Brookings, S. D.

Plato Karayanis (A). See this page.

A. Sue MacFadden (M) and Charles E. Clinton, Jr. (E'50) were married June 28, 1952 and are living at 5850 Hobart St., Pittsburgh 17. Kitty Ditty (M), Carol Fry (M), Michael Palmer (E'49) and Bruce M. Updike (E) were in the wedding party. Sue is working in the School Lunch Department of the Pittsburgh Board of Education.

Mrs. Joe M. Pinckney (Bertha Glenn, M) was a recreation leader at The Termon Avenue Home for Children during the past summer.

William L. Polson (A) and Marge Flanagan of Mt. Lebanon were married May 26, 1952, and are now living at 230 Beverly Rd., Pittsburgh 16.

Madalene Joan Suchy (A) and Alan O'Neal Sullivan (A'51) were married December 25, 1951.

Graduates are listed below with the name of the company with which they are associated.

Chemical Engineering	E1'52
Edward R. Arnold, Griscom-Russell	
Elmer Babyak, DuPont	
Morton H. Baker, Monsanto Chemical	
John J. Barkovitch, General Chemical	
Robert W. Birch, Union Bag and Paper	
William R. Blackstock, Pittsburgh Coke and Chemical	

James A. Bovard, General Foods
Lawrence R. Cederstrom, National Tube
Theodore P. Cole, General Chemical Div.
John D. Cruikshank, Southern Alkali Corp.
Alvin B. Davis, Koppers Co. (Kobuta)
Roy H. Djuvik, Bristol Laboratories
Frank R. Evans, Columbia Southern
Leo J. Frey, New Jersey Zinc
John E. Gilbert, Gulf (Manufacturing)
George F. Hadley, graduate work, Harvard
Roger J. Hansotte, Blaw Knox
Hilary E. Holste, Pittsburgh Plate Glass
Neil D. Houston, Koppers Co. (Kobuta)
Robert W. Jaross, graduate work, California Tech

John T. Kilkeary, Allied Chemical & Dye
John H. Kruth, Koppers Co. (Kobuta)
Alfred A. Kuehn, graduate work, Industrial Administration, CIT
Clyde W. Leighton, Kay Fries
Alfonso Londono, Shell Oil, Bogota, Colombia
Jack B. Ludwig, Cutler-Hammer
Stephen E. Markas, graduate work, CIT
Robert G. Muller, American Cyanamid
Wallace R. Neilson, Barrett Div.
Joseph H. Oxley, graduate work, CIT
Barry J. Purrington, Goodrich Chemical
Allan J. Quiring, National Carbon
Lorne M. Robinson, Phillips Petroleum
Robert J. Rygiel, General Chemical
Ronald N. Sampson, Goodrich Chemical
Karl B. Schnelle, Jr., Columbia Southern
Joseph H. Schramm, Tide Water Assoc. Oil
Donald J. Schumacher, Esso St. & Std. Oil Development, N. J.



ROBERT S. FINKEL, A'40

is a Television Director for American Broadcasting Company, Hollywood. He began his career at Monogram Pictures as a writer for a Western series. Later he joined Republic and rose to an Associate Producer before being called to the Service. Bob spent 4½ years in the Signal Corps and received a Field Commission in the CBI area as a member of Merrill's Marauders. He returned to the Coast and became Production Manager for two legitimate theatres—The Las Palmas and The Coronet Theatres. He then joined forces with Bill Eythe, A'41, and together they produced a Coast Company of "The Glass Menagerie." They then formed the "Lend an Ear" Company and Bob acted in the capacity of Associate Producer. He joined ABC-TV in 1949, has directed such shows as "The Ruggles," "Mysteries of Chinatown," "Personal Appearance Theatre," and is now doing a filmed series of "The Ruggles." Mr. and Mrs. Finkel and their two children live at 825 Delaware Rd., Burbank, Calif. Bob is the son of William Finkel, A'13.

HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952

William G. Sedlock, Hercules Powder, Product Evaluation
 Raymond F. Smith, graduate work, CIT
 Carl I. Sopcisak, Fluor, design & construction
 James E. Spooner, graduate work, Washington University, St. Louis.
 Barry L. Tarmy, graduate work, Columbia
 Glenn A. Voorhees, Jr., Shell Oil Mfg. Co.
 Michael G. Vucich, Weirton Steel
 Lee Roy Ward, Goodrich
 Duncan T. Whiteford, Koppers Co.
 Ralph H. Whitehead, Jr., Penna. Industrial Chemical Co.
 Thomas F. Wilson, General Electric

Civil Engineering E3'52

Richard L. Andersen, Standard, Ohio
 Jack E. Brown, Geo. A. Fuller Co.
 Aristithis C. Charnas, Ebasco
 John G. Cook, Jr., Gulf Research and Development
 Thomas S. D'Agostino, graduate work, CIT
 Nicholas E. DeLuca, Bethlehem Steel
 Howard B. Doerr, Standard Oil, Ind.
 Peter G. Faines, Automatic Specialties & Equip. Co.
 Joseph R. Folio, U. S. Army
 John J. Gyurina, Euclid Road Machinery
 Rudolph Hribar, Harbison-Walker
 Primo J. Innocenti, Morris Knowles
 Edwin T. Kerr, Standard, Ohio
 Paul W. Kimley, Standard Oil, Ind.
 Robert H. Lipp, graduate work, CIT
 Jeruel L. Magner, Jr., Inflico, Inc.
 Richard J. Magner, H. H. Robertson Co.
 James W. Matoney, Jr., Shell Chemical
 John F. McElhenny, U. S. Army
 John J. O'Driscoll, graduate work, CIT
 Carl Walter Ott, Euclid Road Machinery Co.
 Joseph W. Petrosky, Harbison-Walker
 Harry Purnell, Manual Greeblig, Philadelphia
 Fred A. Richards, graduate work, CIT
 Edward J. Santaella, graduate work, CIT
 Edward H. Scheffler, Republic Aviation
 Alexander Vessely, Standard Oil, Ind.
 Leigh F. Vrooman, American Bridge
 Harold J. B. Wells, Raymond Concrete Pile Co.
 Martin W. Wise, Kean-Wise, Inc.
 Haile G. Workneh, graduate work, CIT
 Thomas O. Yoder, Rust Engineering
 William G. Zeifelder, U. S. Army

Electrical Engineering E5'52

Charles J. Beggy, Jr., Engineering & Res. Corp.
 William S. Bennett, Westinghouse
 Thomas M. Birch, Cutler-Hammer
 Louis J. Bodenlos, Westinghouse
 Gerald A. Breakay, Westinghouse
 Joseph J. Campanella, Sperry
 Harry N. Ceranowicz, Bell Aircraft
 Luciano DaSilva, General Electric (International)
 Nickolas P. Demas, Jeffrey Co.
 Christy A. DeSalvo, Westinghouse
 Donald F. Dimon, graduate work, CIT
 Chester E. Gall, graduate work, CIT
 Clifford E. Groff, Hazeltine Electric
 Karl L. Groft, Jr., Delco Remy—Gen'l Motors
 John P. Habetler, Westinghouse
 Raymond E. Heller, Delco Remy—General Motors
 Emmett L. Jones, III, Engineering Research Corp.
 Fredrick R. King, Allegheny Ludlum
 Karl J. Kipp, graduate work, CIT
 Robert C. Knepper, graduate work, CIT
 Clifford M. Lane, Jr., Allis-Chalmers
 Donald L. Leatherberry, I.T.E. Circuit Breaker
 Robert J. Lechner, graduate work, CIT
 Jack T. Lipp, U. S. Bureau of Reclamation, Denver
 David M. Loop, graduate work, CIT
 Frederick B. Lowe, Hazeltine Electric
 Hugh M. Lynch, graduate work, CIT
 Robert D. Lynch, graduate work, CIT
 Felix L. Mangiarelli, Westinghouse
 David H. McCombe, Bendix Radio
 Joseph G. McElhaney, Bell Aircraft
 Ronald Meder, North American Aviation
 Robert S. Noblit, Sperry Gyroscope

Raymond J. Ransil, Consolidated Vultee Aircraft

James B. Rarich, Sperry Gyroscope
 William F. Repovz, Elliot Co.
 Albert Roth, U. S. Army
 George A. Rusnak, Westinghouse
 M. David Shaeffer, Sears-Roebuck
 Arnold Sherman, graduate work, CIT
 Joseph Shumovich, Engineering Research Corp.
 Harold B. Shutterly, graduate work, CIT
 Bernard J. Smith, Stupakoff
 Lewis S. Sternberg, U. S. Air Force
 Van Lee Stoffer, National Tube Co.
 Joseph W. Strauss, Lincoln Electric
 Maurice E. Taylor, graduate work, CIT
 Theodore N. Tepelidis, Western Union
 Thomas M. Thompson, Voss Engineering Co.
 Bruce M. Updike, I.B.M. Customer Engineer
 Robert K. Walter, Northrup Aircraft
 Joseph S. Weidman, graduate work, CIT
 Frederick A. Wilson, Philco Corp.
 Earl R. Wingrove, Jr., graduate work, CIT
 Edward S. Yorkison, Union Switch

Industrial Management E6'52

George S. Austen, U. S. Army
 Calvin D. Biesecker, graduate work, CIT
 Donald H. Boland, Hoover
 Frank W. Bost, graduate work, CIT
 Harvey J. Davidson, Westinghouse
 Thomas H. Freeman, Bureau of Ordnance, Navy
 Wm. A. Gierl, Methods Engineering Council
 Joseph B. Gill, Bell & Howell (summer)
 Charles E. N. Holden, U. S. Army
 John A. Kablach, Mesta
 John W. Kincaid, National Tube
 Theodore R. Leaman, Harbison-Walker Ref.
 John R. Mayer, U. S. Steel
 John P. McLaughlin, U. S. Steel
 Edgar Dean Mitchell, Joe Mitchell & Son
 Samuel H. Mitchell, Jr., Oil Well Supply
 Robert J. Monteverde, graduate work, Northwestern University
 Ame R. Oberg, Pratt & Whitney
 Lawrence A. Pratt, Jr., Gulf
 Henry M. Shepherd, Buckeye Pipe Line
 Richard M. Thompson, National Tube Co.
 John C. Washburn, Standard, Ohio
 Peter R. Winters, Reynolds Metals
 Maaza Workneh, returned to Ethiopia

Graduate School—Industrial Administration IA'52M

Jack L. Boor, Eastman Kodak
 Marius T. Edema, Lincoln Electric
 Richard B. Edgar, Kaiser Aluminum
 David H. Frodey, Leeds & Northrup
 Arthur W. Griffiths, U. S. Steel
 George R. Hawkins, Kurt Salmon Assoc.
 Andrew W. Mathieson, U. S. Navy
 Takehiko Matsuda, graduate work, CIT
 Capel N. McCutcheon, Eastman
 Robert C. Nelson, The Room, Inc.
 J. William Royer, Eastman
 Roger A. Sackett, Square D. Co.
 Trevor Sainsbury, Westinghouse
 John R. Thorne, Hughes Aircraft
 Gerald E. Trippel, Vitro Corp.

Mechanical Engineering E8'52

Donald R. Anderson, Standard Oil, Ind.
 Joseph N. Apisa, Goodyear Aircraft
 Wesley W. Apple, Union Bag & Paper
 Thomas W. Astle, New Holland Machine Div.
 Richard F. Barbian, Pratt & Whitney, Test Engr.
 Thomas F. Beck, Koppers Co.
 Robert N. Becker, Pittsburgh Steel Foundry
 Earl S. Berry, Factory Mutual Engr. Div.
 Walter V. Bratkowski, Westinghouse
 Morris E. Brenneis, Euclid Road Machinery
 Garland L. Buchanan, Euclid Road Machinery
 Samuel Cerni, graduate work, CIT
 James H. Chapman, P & G, Engineering Div.
 Olisse C. Cioletti, Bendix Aviation Corp.
 Stewart N. Christner, Aluminum Co.
 William R. Crise, Elliot Co.
 Edward A. Daubman, American Machine & Metals
 Joseph J. DeBartolo, Arma Corp.



LOIS EAGLESTON, M'51

has donned the trim blue uniform and silver wings of a United Air Lines stewardess. After an intensive five-week course at the company's stewardess training school, Cheyenne, Wyo., she now serves aboard Mainliners flying in and out of Seattle.

Edward F. Dombrowski, Lord Manufacturing
 Ralph K. Ferguson, Chicago Bridge & Iron
 Samuel A. Forter, Jr., Republic Aviation
 Clyde B. Freeman, Jr., Atlantic Refining
 Raymond J. Galli, Pratt & Whitney
 Regis J. Gaugler, U. S. Steel
 Kenneth L. Goldman, graduate work, Brooklyn Polytechnic Inst.
 Oliver L. Gorby, International Harvester
 Rudolph W. Guyon, Lockheed
 James T. Hallett, Elliot Co.
 Gordon Lee Hanson, American Brake Shoe
 John E. Harder, Westinghouse
 William R. Hellner, graduate work, CIT
 F. John Herrington, Jr., General Motors, Pontiac Div.
 John Konrad Horst, Republic Aircraft Corp.
 John E. Hrivnak, Goodyear Tire
 William F. Hughes, graduate work, CIT
 Thomas F. Hursen, U. S. Army
 Hans George Jonas, Wright Aero.
 John Ward Kirkland, U. S. Marines
 Earl Howard Kiser, Westinghouse Airbrake
 Karl R. Kleinfelter, U. S. Army
 William M. Kreh, Westinghouse
 Fernando J. Lara, returned to Cuba
 James L. Maloney, Jr., Ritter Engineering Co.
 Malcolm F. Marrs, U. S. Army
 Jerrold H. Martin, North American
 Fredrick G. Maston, Minneapolis-Honeywell
 James Robert McKay, National Tube
 Theodore J. McKenna, Republic Aviation
 Sellers B. McNally, Westinghouse Electric
 Ralph David McNatt, York Corp.
 Albert Ivan Moon, Consolidated Vultee Aircraft
 Raymond J. Neuman, McDonnell Aircraft
 Matthew A. Opeka, Mesta Machine
 Frederick R. Parsons, Pittsburgh-Des Moines
 William J. Peterson, U. S. Steel Co.
 Robert B. Power, Carbide & Carbon
 Stephen F. Pusateri, Hagan Corp.
 Ralph L. Ruffennach, Westinghouse
 Gary Rhue Russell, Northrup
 Robert F. Scanlon, Hagan Corp.
 George H. Scharpf, Griscom-Russell
 Joseph H. Schmid, Philco
 Regis V. Schmitt, Lord Manufacturing
 John Schohn, Columbia Southern
 John P. Schratz, Lockheed Aircraft
 John E. Sharbaugh, Mesta Machine
 David L. Shaw, Goodyear Aircraft
 Whilmer Shinn, U. S. Steel

HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952

Dale E. Shartzell, Engineering & Research Corp.

William A. Sunshine, III, Pratt & Whitney

Clarence E. Tansmore, Rust Engineering
John R. Unangst, N.A.C.A.

Aerhnout C. Viele, Bartel Res. Foundation

Burdette Warner, Firth-Sterling Steel

William Weltman, Aluminum Company

Richard Weber, Hagan Corp.

Alan Wissinger, graduate work, CIT

Keith Workman, Ohio Edison

Chester Yaros, Shell Manufacturing

Carl Zorowski, graduate work, CIT

Metallurgical Engineering E9'52

Charles R. Fendrych, Boeing Airplane

Carl David Finder, Bridgeport Brass

Robert Lee Fischer, Aluminum Company

Myron Peter Hardy, graduate work, Harvard

Sidney F. Kaufman, General Electric

Kans William Lange, graduate work, Harvard

John Luchok, General Electric

Robert C. Maxton, Vanadium Alloys Steel

Donald Eugene Meyers, Pratt & Whitney

Robert T. Randig, Allegheny Ludlum

William T. Reynolds, graduate work, CIT

Bernard E. Speranza, Jr., General Electric

Robt. M. Stackhouse, J. Bishop & Co., Melvern

Anthony F. Staicer, Thompson Products

James L. Walker, Westinghouse Electric

Robert W. Wright, Armco Steel Corp.

Carl S. Wukusick, General Electric

David G. Yorke, Jones & Laughlin

Chemistry E2'52

Timothy Altares, Jr., Ashland Oil

Bernard R. Blake, Westinghouse Electric

John A. Bormmann, graduate work, Indiana

University

Warren K. Davidson, Pittsburgh Coke &

Chemical Co.

Lee J. Fleckenstein, graduate work, M.I.T.

Will D. Merritt, Jr., graduate work, University
of North Carolina

Mead S. Moores, Koppers Co.

Carl L. Peterson, Atlantic Refining

James E. Vaux, graduate work, CIT

Mathematics E7'52

David C. Hecht, Mutual Benefit Life Insurance

John F. Landau, Gulf

Howard K. McCoy, U. S. Army

Robert E. Odeh, graduate work, CIT

Vincent Ribas, Jr., graduate work, Lehigh
Univ.

Richard W. Whitmore, Westinghouse Electric

Physics E11'52

Alan J. Blorcky, research assistant, CIT

Wayne E. Boyd, U. S. Army

John W. Cooper, National Bureau of Standards

Frank J. Cvetic, Gulf Research & Development

Paul M. Davies, graduate work, Columbia

University

Enoch D. Frankhouser, U. S. Army

Robert J. French, graduate work, CIT

William W. Griffiths, Westinghouse

Orion L. Hoch, graduate work, Harvard

Quentin G. Holtz, Gulf Research & Develop-

ment

William Henry Hudson, Corning Glass

Edward Francis Kramer, Bendix Aviation

Lawrence G. Lang, graduate work, CIT

Robert G. McMichael, Vitro Corp.

Philip J. Molenda, Sylvania Electric

Harry Fred Osterman, Jones & Laughlin Steel

Peter Vutz, Hughes Aircraft

Peter Walmer West, Reliance Electric

Hugh David Young, graduate work, CIT

Printing E12'52

Richard A. Ahlstrom, News Syndicate

James C. Alemany, graduate work, CIT

Herman P. Alexander, Irving Printing Co.

Jack W. Alexander, Fred B. Alexander Type-

setting Co.

Mitchell Backon, Blanchard Press, N. Y. C.

Ernest F. Barvoets, Jr., Williams Press

Jacob Bauman, Dittler Bros., Georgia

George W. Bekemeyer, Reynolds & Reynolds,

Dayton

Manuel D. Benipayo, returned to Philippines

Willis A. Brant, Pioneer, Inc., Tacoma, Wash.

Thomas E. Brinkman, Cincinnati Lithograph-

ing Co.

Fred Cohen, Liberty Press

John W. Cox, Jr., Placement Bureau, CIT

Omar C. Craig, U. S. Army

Albert E. Deeds, U. S. Navy

Edmund J. Denburg, Barton Press, Newark,
N. J.

Edward W. Evans, Miller Printing Machinery

Robert E. Everett, Bookwalter Co., Indianapolis

Maurice H. Fantus, Ernest L. Fantus Co.

William J. Faust, U. S. Army

Robert J. Holliday, Western Electric, Chicago

Edwin Horn, Royal Typographers, N. Y. C.

Leonard D. Jacobs, Ideal Printing Co., N. Y. C.

Donald C. Jensen, Logan Sq. Typesetting Co.

Glyn C. Jones, New York Times

Theodore S. Kilian, J. W. Clement Co.

Donald N. Lach, Walter Lach Printing, Manor,

Pa.

Robert E. Levy, The Thistle Press, N. Y. C.

Hugh J. Moser, Upjohn Co., Kalamazoo, Mich.

Charles G. Recker, John S. Swift Co.

Don Lee Rubinfield, Los Angeles Times Mirror

Edward W. Slade, National Blank Book Co.,

Holyoke, Mass.

Clarence E. Smith, U. S. Navy

Ralph A. Terrill, Commercial Press, Inc.

Walter E. Thompson, National Publishing

Norman S. Wood, Commonwealth Press

Chemical Engineering—Master's E1'52M

Thomas F. Barnhart, Blaw-Knox Co.

Charles E. Dailey, III, graduate work, CIT

Robert Friedman, N. A. C. A., Cleveland

Charles D. Henderson, St. Joseph Lead Co.

Charles B. Herman, Esso Standard of La.

Kazuo Tamayama, returned to Japan

Charles E. Wicks, graduate work, CIT

Chemical Engineering—Doctor's E1'52D

Robert F. Burke, Foster Wheeler Corp.

Lawrence N. Canjar, Asst. Professor, CIT

Irving Leibson, Humble Oil, Baton Rouge

Kun Li, A. P. I. Project, CIT

Rodolphe L. Motard, Shell Oil Mfg. Co.

John C. Ornea, Shell Development

Vance E. Senecal, DuPont

Civil Engineering—Master's E3'52M

Randall C. Cronin, J. E. Greener Co., Balti-
more

Ronald A. Kelsey, Aluminum Res. Lab., New
Kensington

Merrill A. Neale, G. S. Richardson, Pittsburgh

Civil Engineering—Doctor's E3'52D

Chiao Lin Chang, Geo. Richardson, Pittsburgh

Paul N. Gustafson, Asst. Professor, CIT

Thomas E. Stelson, Asst. Professor, CIT

Electrical Engineering—Master's E5'52M

Donald A. Burt, Westinghouse, Pittsburgh

James V. Fitzpatrick, Jr., Pullman Co., Chicago

Fritz J. Friedlander, graduate work, CIT

David H. Geipel, graduate work, CIT

John D. Hall, Sperry Gyroscope, N. Y.

Joseph T. Holland, Jr., Rome Air Development

Center, Griffis Air Force Base

Robin R. Jackson, graduate work, CIT

Kent R. Johnson, graduate work, Northwestern

University

Robert E. Lazarchik, Sperry Gyroscope

Richard C. Lyman, graduate work, CIT

Arthur T. Murphy, graduate work, CIT

Charles J. Peters, graduate work, CIT

Frank G. Primoich, graduate work, CIT

Edgar A. Sack, Jr., graduate work, CIT

Jack E. Sheehan, Standard Oil of N. J.

Andrew O. Sperber, Sperry Gyroscope

Electrical Engineering—Doctor's E5'52D

George F. Pittman, Jr., Westinghouse, Pitts-
burgh

George L. Baldwin, Bell Laboratories, N. Y.

Charles H. Grace, Victoreen Co., Cleveland

Mechanical Engineering—Master's E8'52M

Harold D. Black, Jr., Rohm & Haas, Alabama

Howard N. Kaufman, Westinghouse Res. Labs.

Wilfred T. Rouleau, graduate work, CIT

Thomas R. Schuerger, Preston Labs., Butler

Mechanical Engineering—Doctor's E8'52D

Egon A. DeZubay, Westinghouse Res. Labs.

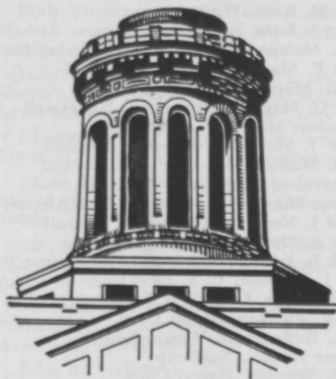
Carl Friedrich, Westinghouse Atomic Power

Div.

Winston Foong-Zung Lee, Rockwell Mfg. Co.

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For further information, write

HOMEcoming AND REUNIONS—OCTOBER 24 AND 25, 1952

William C. Leone, Asst. Professor, CIT
John F. Osterle, Asst. Professor, CIT

Metallurgical Engineering—Master's E9'52M
Francois Bourriaud, Metals Res. Lab., CIT
Thomas M. Garvey, U. S. Steel, Pittsburgh
Kalevi V. Kiukkola, graduate work, CIT
Earl L. Richards, Westinghouse Atomic Power Div.
Stuart T. Sadler, U. S. Navy
Everett H. Stetson, Jr., Westinghouse Electric
Albert E. Wiehe, Gulf Research & Development Co.

Metallurgical Engineering—Doctor's E9'52D
Rointan F. Bunsha, Metals Res. Lab., CIT
Kenneth M. Goldman, Westinghouse Atomic Power Div.
Adolph Lena, Allegheny Ludlum Steel
Edmond J. Whittenberger, Aluminum Co.

Chemistry—Master's E2'52M
Harold L. Dimond, graduate work, CIT
Donald P. Hart, Metals Res. Lab., CIT
Robert E. Kirby, Shell Chemical Co., Houston
Holwell K. Land, graduate work, CIT
Speros D. Mandamadiotis, graduate work, University of Pittsburgh
Janet Mitchell, A. P. I. Project, Chem. Dept., CIT
Franklin G. Parker, DuPont, Richmond, Va.
Alan B. Rothman, graduate work, CIT
William L. Walsh, graduate work, CIT
Grosvenor S. Wich, graduate work, CIT

Chemistry—Doctor's E2'52D
Lee A. Cosgrove, Aluminum Co., Pittsburgh
Robert T. Crouch, Shell Chemical, Houston
Samuel A. Heininger, Monsanto Chemical, St. Louis
George I. Mulholland, DuPont
Edward A. Swakon, Standard Oil of Indiana
George R. Taylor, Mellon Institute

Physics—Master's E11'52M
Sidney Auslender, Pratt & Whitney
Frank Feiner, graduate work, CIT
Alper Garren, graduate work, CIT
Richard D. Leamer, graduate work, CIT

Physics—Doctor's E11'52D
Simeon A. Friedberg, staff, Physics Dept., CIT
Robert von Heine-Geldern, project work, CIT
George W. Hinman, instructor, CIT
John W. Marx, assistant professor, University of Illinois
George H. Minton, Bureau of Standards, Washington, D. C.
Charles J. Mundo, Jr., Sperry Gyroscope Co.
David Ross, Argonne Lab., Atomic Energy Comm.
Baldwin Sawyer, Bell Labs.
Robert T. Siegel, Nuclear Res. Center, CIT
Rolf G. Winter, staff, Western Reserve, Cleveland

Mathematics—Master's E7'52M
John W. Dettman, graduate work, CIT
William S. Dorn, graduate work, CIT
Melvin J. Jacobson, graduate work, CIT
Ray O. Skinner, Institute of Applied Mechanics
Frank B. Smith, Jr., graduate work, CIT

Mathematics—Doctor's E7'52D
George J. Habetler, General Electric
Phillips Whidden, Aluminum Co.

Psychology—Master's E13'52M
Richard L. Deiningner, graduate work, Ohio University
Marlan P. Willis, graduate work, CIT

Architecture A1'5
Geo. A. Balta, Casimir J. Pellegrini, Pittsburgh
Robert I. Broida, Clare Construction Co., Cleveland
Ralph H. Burt, Jr., self employed
Santiago Crespo, returned to Costa Rica
Richard J. Fleischman, graduate work, Columbia
Eivind Hellern, returned to Norway
Alva L. Hill, self employed
Michael A. Ignelzi, armed service

ALUMNI DEATHS

See Class Notes for further details.

Mrs. E. B. Depp
(Elizabeth Barnes), M'09
Thomas G. McFarland, I'09
Alfred C. Danks, E'11
John Francy, I'11
Rose D. Stewart, L'19
Ralph W. Wallace, I'20
Fred A. Nicholson, E'21
George W. Smith, E'21
Mary L. Zahrobsky, M'21
Elmer Cohen, E'22
George W. Eppler, E'22
Mrs. Raymond F. Hosford
(Dorothy Grant), M'23
Joseph G. Rice, I'23
William Schlossnagel, I'23
Santford R. Wilson, A'23
Lawrence R. Clark, I'25
Mrs. H. W. Schreiber
(Marie McKenzie), M'25
Margaret E. Williams, M'26
Martin S. Moss, I'29
Alexander M. Fisher, Jr., E'30
Ethel Metzger, L'31
Mrs. Roderick A. Frankenberg
(Helen Sickenberger), M'35
Mrs. Richard L. Robinson
(Helen Gillis), M'41
James J. Boyle, III, E'42
Earl W. Obringer, E'44
Joel Bigelman, E'47
Thomas Kirby, Jr., E'50
Ames Penfield, Jr., E'50

Alfonso I. Macy, Carr & Cunningham, Cleveland
Richard B. Maides, Backus, Crane & Love, Buffalo
Harold E. Noelker, Sorber & Hoone
William L. Polson, Rust Engineering
Kenneth H. Roos, C. A. Lace, Fox Chapel
Edward J. Sholette, Sargent, Webster, Crenshaw & Follen, Syracuse
John F. Sholl, Peter Loftus, Construction, Pittsburgh
Robert A. Wendler, Altenhof & Brown
Anthony L. Wolfe, Ingham, Boyd & Pratt

Drama A2'52
Mariorie Ann Paxson, Civic Light Opera

Home Economics M4'52
Patricia L. Allen, teaching, Pittsburgh schools
E. Maxine Black, West Penn Power
Barbara A. Brown, receptionist, T. W. A.
Nancy Mae Burgum, teaching, Pittsburgh schools
Patricia A. Castle, Kaufmann's Training Sq.
Margaret Ann Cobbe, Ford, Detroit
Mrs. Shirley Cunningham Gustafson, Meadville City Hospital (summer)
Kathryn L. Ditty, Kaufmann's Training Sq.
Emma Grace Elwell, teaching, Har-Brack High
Mrs. Janet Feigenbaum Steinman, American Institute for Research
Marian Klein Fischman, has own TV Service Co.
Dorothy Forgie, West Penn Power
Carolyn Fry, Eastman Kodak
Helen Halkas, St. Francis Hospital
Amelia A. Hoffman, teaching, Mt. Lebanon
Joan G. Kropp, Higbee
Grace Grace Skoog, Pittsburgh School Lunch
Sue MacFadden Clinton, Pittsburgh School Lunch
Marilyn L. Malsch, Sears sewing class
R. Louise Marker, Extension Work, Penn State College
Nancy L. Metcalf, teaching, Pittsburgh Schools
Janice M. Nelson, assistantship, University of Alabama
Ann H. Nicholas, Kaufmann's
Joan Ruth Ochs, West Penn Hospital
Estelle G. Roofner, teaching, Pittsburgh Schools
Elizabeth M. Sirc, Duquesne Light Co.
Patricia R. Treasure, Alcoa
Nancy Lou Wootton, Pittsburgh Cafeteria

Secretarial M8'52
Ann Louise Brownell, Peoples Gas
Margaret Ann Cowell, Mellon
Ruth C. Cray, Alcoa
Joan P. Hammill, Gulf
Barbara Ann Hess, Thermoid Co., Trenton
Phillis Anne Johns, U. S. Steel
Joan Galloway Johnson, Alcoa
Sarah J. Karns, Westinghouse
Patricia R. Kelley, Automotive Ignition
Marilyn J. Koch, Gulf Public Relations Office
Anne E. Merriman, U. S. Steel
Charlotte J. Merriman, teaching, Forest Hills Junior High
Mary Louise Metcalf, Peoples Gas Co.
Dolores M. Mitchell, Federal Savings & Loan
Joan E. Novack, Gulf
Nancy Ramey, Aluminum Co., Pittsburgh
Suzanne M. Richard, U. S. Steel
Jane Louise Robb, U. S. Steel
Mildren R. Thompson, National Tube
Mary Jane Wibner, U. S. Steel
Joan E. Williams, West Penn Hospital

General Science M2'52
Lois E. Chinnock, Westinghouse
Estelle Christides, Mellon Institute
Catherine E. Coleman, Metals Res. Lab., CIT
Velma J. Craig, Abbot Lab.
Margaret S. D'Andrea, Westinghouse
Lillian C. Janicik, A. P. I. lab., CIT
Elaine S. Lobl, graduate asst., University of Pittsburgh
Nancy J. Luther, Westinghouse
Shirlee J. Ploeger, A. P. I. lab., CIT
Marlene Schultz, Pittsburgh Coke & Chemical Co.

General Studies M3'52
Beverly A. Artman, Gulf
Mary C. Deneen, Sharon, store manager
Patricia L. Griffith, T. W. A.
Margaret Grove, alumni secretary, Penn Hall
Ruth E. Osborne, Carnegie Library School
Jenny Wen-Hwa Tai Li, Carnegie Library School
Mary Esther Susch, Valley Day School, Ligonier
Marilyn K. Sweeney, Westinghouse
Mary Jean Wright, Dravo

Social Science M9'52
Nancy Yeager, YWCA, Alliance, Ohio

HOME COME

CAREERS IN ENGINEERING AND SCIENCE

(Continued from page 3)

of thinking to understanding more of the world around them and using this understanding for the improvement of their lives.

DEVELOPMENT is the process of making the discoveries and results of research available in the form of useful products, methods, or processes. Development may involve much experimentation, and is a common practice of both the engineer and the scientist.

DESIGN is the process of converting facts and ideas into detailed plans and specifications from which a finished product is produced or constructed, whether it be a radio tube, a bridge, or a chemical compound.

PRODUCTION is the industrial process of converting designs and raw materials into finished articles, of combining the elements of materials, machines and men; or in other words, the making or manufacturing of articles for sale.

CONSTRUCTION is the building process of converting designs and materials into important structures, such as big buildings, power plants, subways, aqueducts, power and communication facilities, railroads, and dams. In construction, trained and experienced engineers normally have full responsibility for the selection and proper use of materials, manpower, and equipment required to produce the desired results.

OPERATION AND MAINTENANCE is the process of "keeping the wheels turning"—procuring supplies, maintaining plant, and directing personnel—whether this refers to a single machine, a mine, a manufacturing plant, or an entire industry; or to such extensive enterprises as the railroad, electric-power, or communication systems which interlace an entire continent.

SALES AND APPLICATION of the products of engineering industries commonly require the services of trained engineers in positions of importance and responsibility as technical advisors who recommend the tools, machines, materials, or services that will best serve the customers' purposes.

Last in the list of functions which the engineer or scientist may perform is *Management*. Indeed, success in performing any the other functions leads almost inevitably to some level of management; within a few years the young engineer or scientist may expect to become a group leader with at least a few people reporting to him and working under his direction. Ultimately, a research scientist may become a Vice-President or Director of Research; a design engineer may progress to Engineering or Plant Manager and an application engineer may rise to Vice-President in charge of sales. The work of these people does not change from something originally technical to something almost wholly managerial. The numbers of

industrialists who started as engineers and scientists is growing rapidly. There are 13 presidents of United States Steel subsidiaries who are engineers. Half of the top executives of American Telephone and Telegraph, the Bell companies, and of Westinghouse started as engineers.

Management is concerned with the solution of problems of policy, finance, organization, public relations and sales; it has the responsibility for the successful operation of the enterprise as a whole, including selection and supervision of personnel and the coordination of the functions of research, development, design, production, and so forth. Education for management functions is provided by programs such as the one we offer at Carnegie Institute of Technology in industrial management. This course is not a ticket to the manager's job, however; it is training in solving the problems of organization. Although top management may be reached by many different paths, achieving this goal depends largely on the initiative and energy with which one does his work and on his fairness in dealing with others. It depends hardly at all on what department he selects, so long as it is something he has the capacity for, and so long as he has the will to work.

CONSIDERATIONS IN MAKING A CHOICE OF DEPARTMENT

[Now, in arriving at a final decision about a particular department in engineering and science, we think you should probably consider more strongly than anything else what you believe your likes and aptitudes to be. The thing for you to do is to decide what you find interesting for yourself as an individual and what you would really enjoy working on. Do not assume that those matters which are currently sensational are necessarily the only interesting and successful things to be associated with. All of the branches of engineering and science have practically an equally high satisfaction and profit content. There is no field in science and engineering which does not hold great opportunity and great promise for future success. Do not pick your field for *now*. The *old* fact is that all branches

When you feel that you are quite well informed decide which branch you want on the basis of your own likes, dislikes, and what you believe your own abilities to be—and *work on it!*

CHARACTER AND ATTITUDES ARE IMPORTANT

Of even more importance than the subject matter of engineering or science is the character of the individual concerned, and the attitudes he displays in his everyday living. A set of basic rules which may be considered essential for the success of the scientist and engineer might be something like this:

First, he should remember that he is a *free* man working for *private enterprise* in a nation which makes *human freedom* its primary concern. He should guard this privilege at all times by his thoughts and by his actions.

Second, he should take pride in himself and in his profession, and should not sell either of them short. He must realize that the scientist and engineer is responsible for much of the world's progress and for the success of many of our country's largest industries. He must know his possibilities and also his responsibilities as a member of the profession.

Third, he should be loyal to his company, his superiors, and his associates; give himself completely to every job he does; do *more* than he is asked—never *less*. He should fight hard for what he thinks is right, but should learn to carry out the decisions of his superiors if he is overruled. He should give his subordinates a break by defining their tasks clearly, letting them have the authority necessary to discharge their responsibilities, and giving complete and unmistakable recognition to their work.

Fourth, he should try to see the forest as well as the trees. He should spend time not only on his immediate assignment but also on thinking about the long-range problems of his company. The methods he has learned to use in solving his technical problems are equally applicable to other problems of his company.

Fifth, he should study people and learn to work with them. Scientists and engineers do things done by teamwork. There are few and fewer isolated corners for individualists. It is essential to know the strength of his own men just as well as he knows the strength of his materials, and to understand that men do not behave with the predictable consistency of materials.

Sixth, he should carefully watch three things—his health, his appearance, and his time.

And finally, he should always keep in mind that the price of success is hard work; therefore, he should continue to study and learn in preparation for his future opportunity.



It's That Time Again! OCTOBER 24 AND 25, 1952

HOMECOMING AND REUNIONS

FRIDAY

Program

Reception and Tea
Steffen Club and Varsity
Clan Dinner
Old-Fashioned Gatherin'

SATURDAY

Alumni Council
Homecoming Luncheon
Football, Case vs Carnegie
Dinner-Dance

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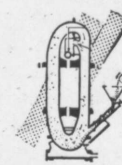
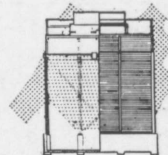
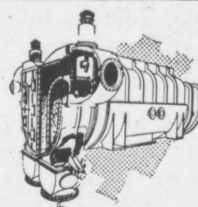
3... that a Cooling Tower can be Built to Blend with a Building—or to Stand Alone against Hurricane Winds

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4... that Material will Grind Itself into Particles 100 Times Finer than the Human Eye Can See

C. H. Wheeler Fluid Energy Reduction Mills reduce materials to sub-micron particle sizes. Material is conveyed by air, steam or any gas or vapor in a closed circuit at supersonic speeds causing particles to reduce themselves by repeated shattering contact with one another.

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JOHN G. HUTTON, *General Engineering Laboratory* . . . It is largely the enterprise of the individual which makes him outstanding. In his own thinking he becomes a cog in a machine, not realizing that every such cog is a chosen piece, performing functions for what it is best characterized as a vital member of a team operation. So it is with the individual in General Electric. Just as in the community an individual is free to "be himself," but for his own and the community's sake he must be part of that community. General Electric's success lies in its unique ability to instill in its employees great team spirit yet at the same time to recognize the employee's inalienable right to be himself.

H. A. WINNE, *vice-president, Engineering Services* . . . An important point which many young people overlook is that, by and large, individuals work in groups of reasonable size in either large or small companies. In the large company these groups may be called units or sections, and a number of these may constitute a department; a number of departments may make up a division; and the company may comprise several divisions. In each component the "manager" has a comparatively small number of people reporting to him, and consequently any outstanding performer quickly comes to his attention.

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On the basis of forty-two years' experience in the Company I can assure you it is difficult for the college

graduate to lose himself in the organization. There are too many people watching him, although he may not realize it for some time after entering the Company.

J. L. MICHAELSON, *manager, Employee Relations, General Engineering Laboratory*... The Company system for periodic employee evaluation furnishes a valuable guide to the individual with respect to his progress and ability. It also imposes on supervisory personnel the requirement that they study carefully the characteristics of all their employees. The system is so arranged that ability and good performance cannot remain unnoticed. Far from remaining obscure, each individual's characteristics are evaluated in order to provide him with the greatest opportunity to make use of his talents and abilities.

J. A. SPENCER, *manager, Employee Relations, Apparatus Sales* . . . The day I began work with G.E. twenty-odd years ago, and entered the plant with thousands of other Company employees, I felt small and insignificant and much inclined to climb on the first train returning to Montana. In a short time, however, I realized that I would be considered as an individual at General Electric.

I learned that the Company was operated in units of manageable size and that each person received individual consideration. My supervisors discussed my progress with me at regular intervals. I also learned that every employee's salary is reviewed individually at regular intervals.

Through this I learned that the individual cannot become lost in General Electric—neither can he hide!

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GENERAL  ELECTRIC