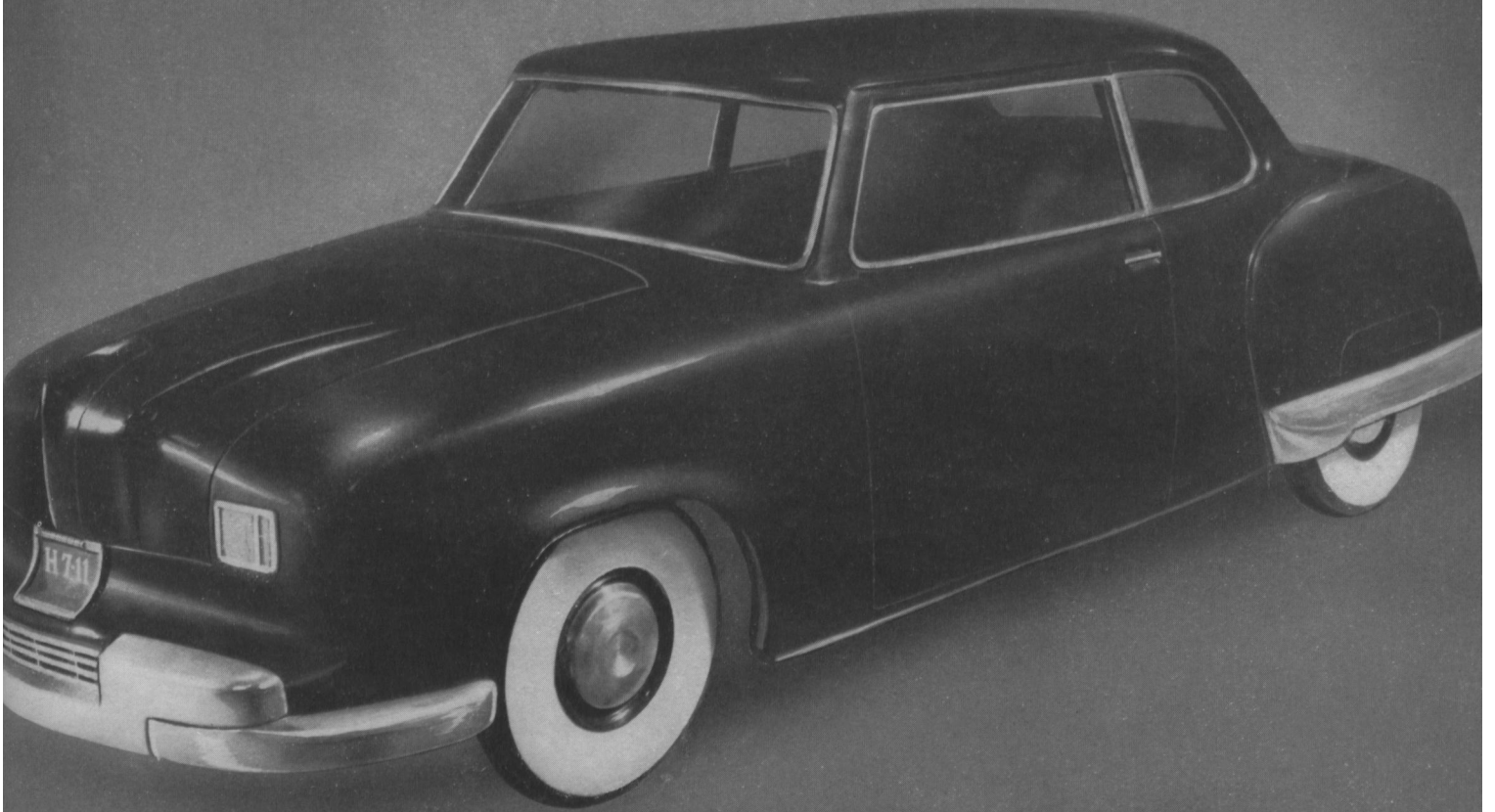


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VOLUME 32

MARCH 1947

NUMBER 3

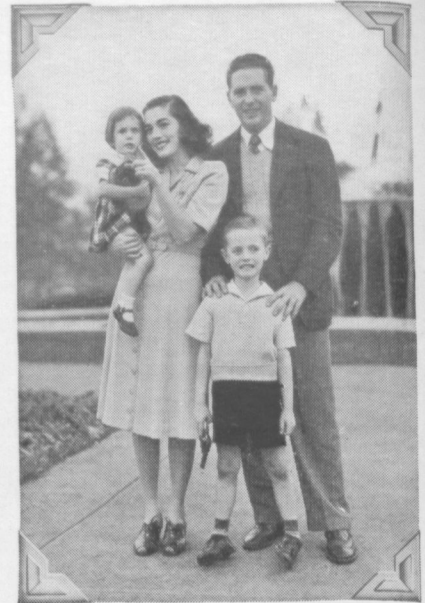
ALL THINGS HUMAN CHANGE...



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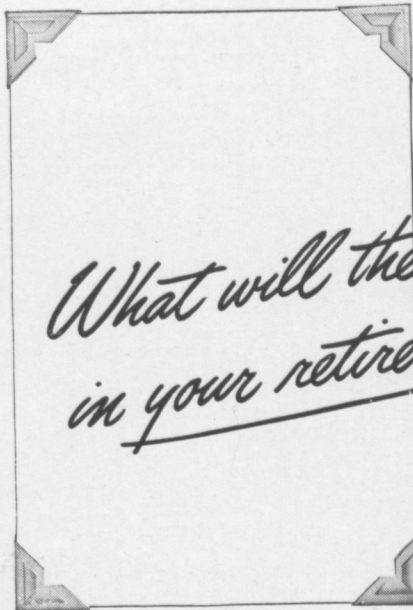
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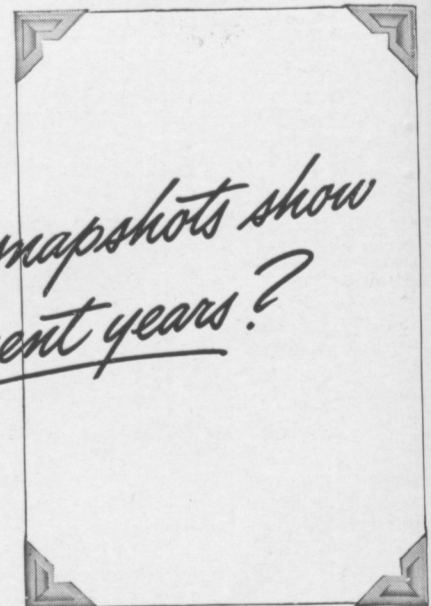
1940



1947



1960



1965

Flash-backs to the eventful past: that solemn, joyous wedding. Your first home. Success. Then . . . the tranquil years.

Will you, when you retire, be free to follow the sun, to do the things you've most wanted to do?

You've taken steps, naturally, to finance this period and to make it the most deeply rewarding of your life.

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review and adjust your insurance program every year or so. Your New England Mutual Career Underwriter will be glad to help. Why not call him today — just to be sure?

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 The First Mutual Life Insurance Company Chartered in America—1835

These Carnegie Institute of Technology—and hundreds of other college men, represent New England Mutual:

Myron McKee Smith, S'20, Chicago

Benjamin W. Davis, S'22, Gen. Agt., Richmond, Va.

WE HAVE OPPORTUNITIES FOR MORE CARNEGIE INSTITUTE OF TECHNOLOGY MEN. WHY NOT WRITE DEPT. AI-3 IN BOSTON?

CARNEGIE ALUMNUS

VOLUME 32

MARCH, 1947

NUMBER 3

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CARNEGIE ALUMNUS

JOHN L. ELLIOTT, E'10 Editor
RUTH E. ANDREWS Editorial Assistant

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ACROSS THE CUT

Economic Conditions and the demand for college training resulting from the war are testing the ability of privately endowed educational institutions to survive. While they, the privately endowed schools, struggle with overloaded facilities and faculties to stretch income to cover outgo, tax supported schools petition legislatures for funds.

If privately endowed schools do not survive, and God forbid that such a possibility become a reality, higher education will suffer a set back from which it may never recover. Privately endowed schools, without the restriction of political control, have always led the way to higher standards.

Carnegie Institute of Technology is wrestling with the financial problem of balancing income and expense. It no longer has a "rich uncle." It must stand or fall on its own strength.

It may be hard for you to understand why, after getting an \$8,000,000 gift last year, the school is not "rolling in wealth." A few facts will indicate the answer.

In 1920, with a little over 2300 day students, the expense for administration, instruction and operation was approximately \$952,500. Today, with a student body 50% greater, the same costs total about \$2,447,000, an increase of more than 150%. In 1920 the average return on invested funds was 5%.

It is less than 3% on new funds invested today. In 1921, when the famous 2-for-1 offer started, the school received about \$470,000 from invested funds and an annual gift from the Carnegie Corporation of \$400,000. At the then average of 5% on invested funds, the school had the equivalent of a \$17,400,000 endowment. Today the school has approximately \$23,816,000 of endowment and \$4,671,000 of funds earmarked for spending on necessary replacements, improvements and extensions that are non-income producing. The expected annual income from these funds is about \$1,000,000 and, when the \$4,671,000 is spent in the near future, this income will drop to around \$840,000, which is less than the income in 1921 by \$30,000.

To balance the present budget of \$2,447,000 it can easily be seen that \$1,607,000 would have to come from other sources, including tuition, fees, gifts, etc. This also answers the question of why it is necessary to raise the tuition. But, repeated increases in tuition must stop. Also, Carnegie was not conceived as a school for the children of the rich.

The alternative is gifts. Certainly, no group has the vital interest in Carnegie and its future that we as alumni have. It is our privilege and, we hope, our pleasure to help her financially, that she may be able to do for our children what she has done for us. They need a Carnegie education and we can afford to help them get it!

ALMANAC FOR ALUMNI

APRIL

2. MOZART REQUIEM BY CHORUS AND ORCHESTRA. Carnegie Music Hall.
- 4-7. EASTER RECESS.
- 12-21. "CORONADO'S CHILDREN." Tech's Little Theatre.
19. TRACK. Case at Cleveland.
23. CONCERT BY ORCHESTRA WITH SOLOISTS. Carnegie Music Hall.
25. GOLF. Westminster at Pittsburgh.
26. TRACK. Geneva at Pittsburgh.
28. GOLF. Grove City at Pittsburgh.
- 29-30. SCOTCH AND SODA SHOW. Carnegie Music Hall.
30. TENNIS. Geneva at Pittsburgh.

MAY

1. SCOTCH AND SODA SHOW. Carnegie Music Hall.
GOLF. Geneva at Beaver Falls.
- 2-3. SPRING CARNIVAL.

3. TENNIS. Thiel at Pittsburgh.
TRACK. Grove City at Grove City.
5. TENNIS. W. & J. at Pittsburgh.
TRACK. Geneva at Pittsburgh.
7. TENNIS. California Teachers at California.
TRACK. Westminster at Pittsburgh.
9. GOLF. Westminster at New Wilmington.
10. PITTSBURGH WOMEN'S CLAN SCHOLARSHIP BRIDGE.
Thistle Hall.
TENNIS. Allegheny at Meadville.
TRACK. Allegheny at Meadville.
12. TENNIS. Grove City at Pittsburgh.
GOLF. Grove City at Grove City.
14. TENNIS. Pitt at Tech.
ORCHESTRA CONCERT WITH SOLOISTS. Carnegie Music Hall.
15. GOLF. W. & J. at Washington.
17. TENNIS. Slippery Rock at Pittsburgh.
TRACK. Intercollegiate Championships at Beaver Falls.
25. COMMENCEMENT.

CARNEGIE DESIGNS A CAR

Industrial design seniors emerge with flying colors from most complex problem ever attempted in department

R. E. PORTEOUS, *Editor*
Carnegie Tech News Service



TEAMWORK

Design students Don Yochum, Bob Smith (rear, l. to r.), Magdalene Loya and Bill Buechler help bring the model to completion.

FUNDAMENTAL theories emphasizing the development of ability to think, and not to rely upon techniques and formulas, were propounded by President Robert E. Doherty years ago in engineering research and have been put into practice at Carnegie on a school-wide basis. Proof of the validity of these ideas, or of any system of professional education is probably in their application to real problems—not solvable by mere technical competence or knowledge.

Such a concrete application to a problem real in every sense of the word, was in the designing of an automobile for the 1949 market, in Carnegie's senior industrial design class during the fall semester. Involved in the solution was the construction of a one-quarter scale four-foot model of the car.

Assigned by Richard I. Felver, assistant professor of painting and design, the project was also supervised by associate professors Fred Clayter and Robert Lepper of the department of painting and design.

Twelve men and five women students, comprising the senior class in industrial design cooperated throughout the project—all of them working on each step of the problem as it arose.

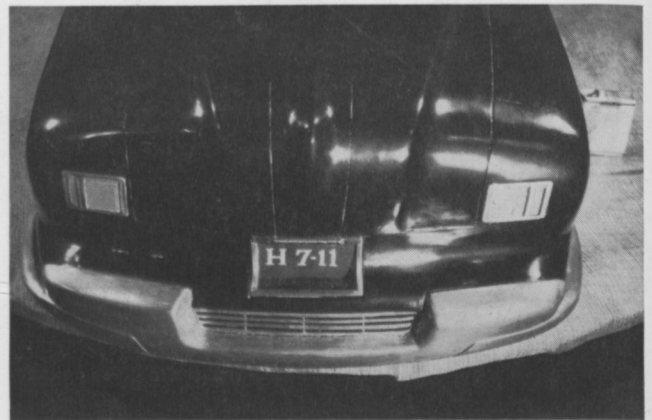
Probably no undertaking could have been a better test in analytical thinking, essential in all good design. Successful results could not have been achieved merely

by flashes of genius or inspiration, but only through adherence to sound basic principles, disciplined by practical requirements. One of the reasons for assigning the auto problem, explained Professor Felver, was that the fault of employing the easy means of personal brilliance or design formula would be glaringly obvious in the development of the work. It was necessary to avoid this through adherence to basic principles so that all members of the class could understand and evaluate progress.

One of the practical questions of the problem was selection of the cooperative class organization best suited to efficient procedure. Another question involved creation of a system of control over details of relationship, and the maintenance of a regulated production schedule. Since the group was completely "on its own," and responsible for planning and completion of the entire project, it was also face to face with the necessity of imposing its own limitations and discipline in the scope of the design. Its spirit of cooperation and enthusiasm—satisfactory because of the unanimous interest in the problem—had to be balanced against reality, the necessity to work not merely enthusiastically, but efficiently.

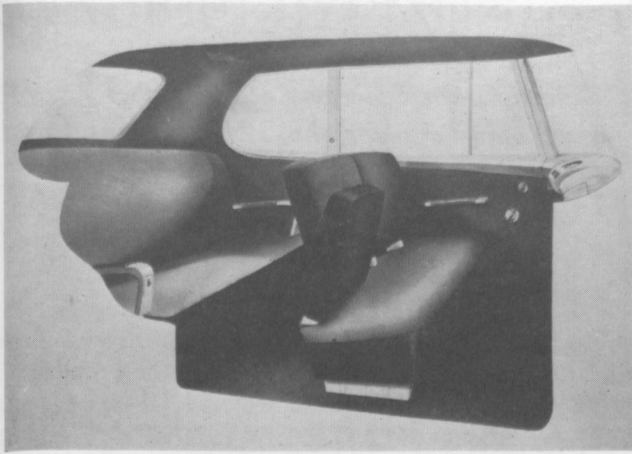
A prime factor in the task was that of deciding on the dominant feature, or idea to keep in mind. All other factors in the project would be subordinate not only to this idea, but to each other, in varying degrees.

The idea kept uppermost was usefulness to the con-



DETAIL OF FRONT

Servicing panel for filling oil and water (front center) opens independently of rest of hood.



DRAWING OF SAMPLE INTERIOR

sumer: comfort, ease of operation, and safety; not the providing of merely another vehicle for transportation.

More subtle than the other factors was the psychological effect of the design upon the person who would ultimately use the car. Mr. Felver pointed out that this indicates something of the truly functional nature of good industrial design, and of its complexity, when, as in this project it involves so many phases of human existence.

In considering the emotional effect of the car on the public, it was recognized that such a vehicle should express power, efficiency and convenience, while concealing the highly complex and unduly confusing mechanisms which help to produce those qualities. "In other words," said Mr. Felver, "its appearance should say, 'Don't worry, this car will get you there.'"

Further consideration of the psychological factor is in the sensory stimuli produced by the mood of the interior. People might spend considerable time in the car, during which interaction of personalities would take place. While this influenced the design, complete emphasis of it would have produced a model too advanced for contemporary styling. One of the practical aims in the project was saleability, a fact frankly admitted by all who were concerned with the car. Such an aim is not a concession to "crass commercialism." A product selling for \$1000 may cost millions of dollars to design and prepare for manufacture. Such an investment can be protected only by large quantity sales.

The model car completed at Carnegie will not run, of course. It is made of plaster-of-paris, one of the cheapest materials, and is not even full size. Yet it cost over twice as much as the actual car would have cost if produced commercially. (Four thousand man-hours were spent in completing the project.) For obvious reasons, a hand-made working automobile could be afforded by only the wealthiest, whereas mass production brings such an item within the reach of many.

Features which could contribute more to the enjoy-

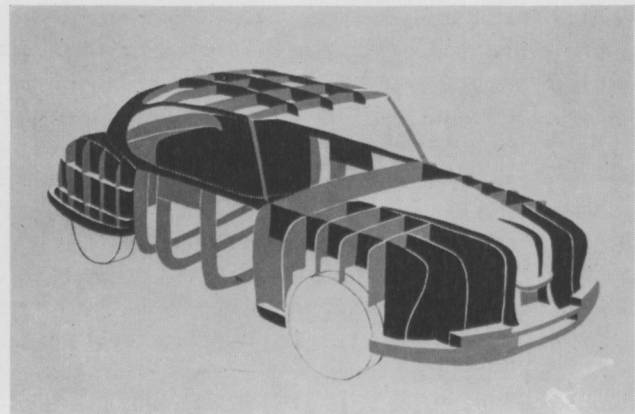
ment of the Carnegie car were introduced into its design. The car was made roomier than many on the market, and the interior was planned to provide more opportunity for the occupants to move and shift their positions more comfortably, in turn producing greater stimulation for them to converse with each other. Additional stimulating effect is due to the greater window areas provided and to the attractive, harmonious color and texture schemes projected for interior appointments. While the model is a two-door sedanette, its form is directed toward the user rather than the car itself. Other models of the same general design would be planned for particular uses, such as business or sport, with harmonizing body lines and materials.

Not the least of the effects considered was in the catering of the car's features to the user's self-esteem; to his desire to own something he can be proud of; to give him a feeling of protection and safety while driving.

Preparation and careful analysis which preceded building of the model constituted four-fifths of the work on the project. Letters requesting information were sent to 21 outstanding American automobile designers. A representative of the class interviewed leading Detroit stylists and inspected Ford and General Motors plants there. Another student obtained from Popular Science Monthly, results of a public opinion survey entitled, "What Do You Want in Your Car?."

All of the information thus gleaned was thoroughly analyzed, along with a study of the evolution of motor car design from the earliest models. A compilation of all such material was mounted in a large decorative folio. In addition to this, a series of large color charts illustrating development of the model presents a dramatic story of the most complex industrial design project ever attempted in Carnegie's department of painting and design.

While the quality of the students' work has attracted considerable interest and is being (Continued on page 23)



A SPATIAL CONCEPTION
Three dimensional rendering of spatial qualities.

ALUMNI FUND BOARD ORGANIZES

Board members elected at the Alumni Council meeting of November 2, 1946 meet to elect chairman and to set objectives for the 1947 Alumni Fund.



ALUMNI BOARD MEETS

Left to right; Front row: Miss McCandless, Miss Barnes, Mrs. Corey, Miss Riesmeyer, Mr. Foote, Mrs. Thorpe; Rear row: Mr. Patton, Mr. Patterson, Mr. May, Mr. Elliott, Dr. Doherty, Prof. Chapman.

JANUARY 31, 1947, marked a milestone in the progress of the Alumni Fund at Carnegie. On that date the Alumni Fund Board members met at the University Club in Pittsburgh to organize and determine objectives for 1947.

The Alumni Fund Board is composed of the President of the Federation, the Chairman of the Alumni Fund Campaign Committee, the Chairman of the Steffen Memorial Scholarship Committee, the Executive Secretary of the Federation, and one member from each of the schools and colleges that are or have been a part of Carnegie Institute of Technology. Ex-officio members are the President and the Controller of the school, the Chairman of the Executive Committee of the Trustees, and the Chairman of the General Faculty Committee.

After unanimously electing Mr. R. J. Wean, I'17, of Warren, Ohio, as Chairman of the Board, the members approved twenty-seven special funds as eligible for earmarking by alumni contributors. To provide a basis for establishing objectives, Dr. Doherty was then asked to outline the financial position of the school and its needs.

Dr. Doherty made a clear and forthright statement of the situation. He said in part: "I am sure the first question in your mind is 'Why does Tech have a financial problem after receiving an \$8,000,000 check last June?' I can assure you we do have a problem and are struggling all the time to make ends meet. For example, the budget for 1946-47 is \$2,447,000. The highest prewar budget was \$1,873,000. Compare this increase of over \$500,000 with \$240,000, the income from

\$8,000,000 at 3%,—the best return you can get on new funds today—and you get some idea of the problem.

"In the past fifteen years we have increased our funds by about \$11,600,000. We have now about \$21,300,000 of unrestricted endowment funds and approximately \$7,000,000 of definitely earmarked funds. These latter are in endowed professorships, scholarship and research funds, and so on. At present, therefore, our total of income producing funds is about \$28,300,000, and when we are compelled to spend upwards of \$3,500,000 of these to build a new power plant, a new distribution system for power, heat, and light, and two new wings for the Engineering Building—as we expect to do within a year or so—not only will our total income be reduced, but our expense will be increased. . . .

"During the past fifteen years with a constantly decreasing income from 5.2% to 3.8%—and this downward trend has not ended—we have struggled to make out. Return on new funds is about 3%. In one year we were in the red, and the next year we raised tuition. Even before we had to contend with a student enrollment fifty percent greater than the normal for which the school is designed, we had budget difficulties. We had to adjust salaries upward, reduce teaching loads, increase teaching and administrative staffs, and spend more for material and supplies. Now while inflation is still continuing we must make capital expenditures to meet the expanded enrollment. Another increase in tuition seems inevitable, but if it is to be reasonable, it cannot close the gap.

"We must also get across to the alumni and to the public the fact that Carnegie is now on its own. Although the Carnegie Corporation of New York has some \$170,000,000 we have no more claim on this money than any other institution. This has been stated publicly by the President of the Carnegie Corporation and proclaimed by us."

Asked to suggest how the alumni can best help in this financial situation, Dr. Doherty said: "With the expense budget crowding the total income we are not in a position to handle other expenditures or projects no matter how desirable. In such a situation our greatest need is for a source of unrestricted funds, and the greatest help that could come to the institution from the alumni would be for them (Continued on page 23)

SYNCHRO-CYCLOTRON FOR CARNEGIE

Buhl Foundation grant makes possible great educational advances at Carnegie and an opportunity to develop the practical potentialities of atomic energy.

ROBERT E. PORTEOUS
Carnegie Tech News Service

ANNOUNCEMENT of a grant of \$300,000 from Pittsburgh's Buhl Foundation to Carnegie Institute of Technology toward the construction of a 200-million electron-volt synchro-cyclotron and nuclear physics laboratory was made recently by President Robert E. Doherty. The news was gratifying not only to people associated with Tech, but to forward looking citizens of Pittsburgh who saw in the project an important milestone in local educational progress.

Dr. Charles F. Lewis, director of the Buhl Foundation, said of the appropriation, "It is confidently expected that this program will notably strengthen Pittsburgh's position as one of the nation's outstanding centers in scientific research."

A condition of the grant provides that \$250,000 shall be subscribed by others toward construction of the cyclotron and laboratory. The total cost of the project is estimated at \$550,000.

Two buildings, each with an area of 5,000 square feet, will be built on the Carnegie campus. One of these will house the cyclotron and the other the controls and laboratory.

Lifting of the veil of secrecy surrounding research in cyclotron design since the close of the war makes it possible for Carnegie to plan construction of a synchro-cyclotron—an accelerator of the frequency-modulated type, which is approximately four times more efficient than prewar machines. It will embody magnet poles 110 inches in diameter and will be similar in size to an accelerator being designed at Harvard. Largest one in the world at present is the giant 184-inch machine at the University of California.

Addition of the cyclotron to equipment at Carnegie will greatly facilitate the school's program of research in nuclear science and technology, to which great effort has been devoted during the past year.

A number of outstanding nuclear physicists have been added to the staff of the Physics Department and a project on the study of cyclotron magnet design is in progress. In addition, the Metals Research Laboratory has been engaged for some months

on a project supported by the Office of Naval Research on the use of radioactive tracer materials.

At the outset, four other phases of nucleonics study at Carnegie will consist of fundamental research in the Physics Department; Chemistry Department research on radioactive elements; in Chemical Engineering on the use of tracer materials; and in general education in nuclear technology.

With this phase of the educational program in mind, Dr. Frederick Seitz, head of the Department of Physics, has been made available to the Clinton Laboratories at Oak Ridge this winter, on part-time leave, to direct the training program there. Other members of the Physics Department who will have prominent roles in the design and construction of the cyclotron will be Doctors E. C. Creutz, R. B. Sutton, J. G. Fox and H. C. Corben.

Dr. Webster N. Jones, head of the College of Engineering and Science; Dr. J. C. Warner, head of the Department of Chemistry and dean of graduate studies; Dr. R. F. Mehl, head, Department of Metallurgical Engineering; and Dr. C. C. Monrad, newly appointed head of the Department of Chemical Engineering, will be closely associated with the work.



Examining blueprints for the synchro-cyclotron and nuclear physics laboratory at Tech. Left to right, Doctors E. C. Creutz, Carl C. Monrad, Robert E. Doherty, Webster N. Jones, R. F. Mehl, and J. C. Warner.

ALUMNI ACTIVITIES

SOUTHERN CALIFORNIA

The Southern California Clan held a dinner dance at the Del Mar Club in Santa Monica on December 7 and, according to Beatrice Archer Grasso, A'37, it "was quite a success." Although not everyone attended, the majority of the Clan has expressed a desire to participate actively in the future. The officers are laying out a program of activities.

The following were nominated for officers for the current year: President, Elsa Griesser Bussard (Mrs. M. J.), A'24; Vice President, Anthony Thormin, A'24; Treasurer, H. D. McIver, E'40; Secretary, George Lambertson, E'37; and Social Secretary, Beatrice Archer Grasso (Mrs. Frank A.), A'37.

ADVERTISING DIRECTOR

Grant Stone, E'20, has been promoted advertising director of *The Cleveland Press*, according to an announcement received here. Stone has been local advertising manager since 1938. He joined *The Press* as a display salesman in 1926. From 1935 until 1938 he served as business manager of the Scripps-Howard *Akron Times-Press* when it was merged with the *Akron Beacon Journal*.

During the war Stone gained national recognition for his program for getting post-war planning ideas into the hands of thousands of small retailers of all types in the Cleveland area. He served as chairman of the distribution committee of the Cleveland Committee for Economic Development.

Grant is vice president of the Cleveland Advertising Club and a past director of the Cleveland Rotary Club.



GRANT STONE



PUBLICATIONS COMMITTEE

Left to right, Homer E. Sterling, A'26, Margaret B. Russell, M'28, John L. Elliott, E'10, Thomas J. Ess, E'22, and Anne Andraso, M'40.

PUBLICATIONS COMMITTEE

The Publications Committee appointed by the Executive Committee of the Alumni Federation met at the Ruskin Dining Room, February 7 to discuss the "Alumnus" and to formulate plans for new features. The Committee comprises, Thomas J. Ess, E'22, Chairman, Editor of *Iron and Steel Engineer*; Anne Andraso, M'40, of the editorial staff of *Oral Hygiene*; Margaret B. Russell, M'28, owner, editor and publisher of *The Pitcairn Express*; and Homer E. Sterling, A'26, Assistant Professor, Graphic Arts Design.

ENGINEERING VICE PRESIDENT

George F. Landgraf, E'31, has been elected vice president in charge of engineering of the Pittsburgh Range Company of McKees Rocks, Pennsylvania.

Landgraf has been with the Bartlett-Hayward Division of the Koppers Company at Baltimore as precipitator engineer, having been associated with that organization for six years in several technical capacities.

ROCHESTER PLANS

The Rochester Clan has laid out their program for the current year and are providing the alumni in their area a varied and interesting schedule of meetings. The program adopted calls for a St. Patrick's Party on March 15; a Business Meeting, May 10, with Dr. Johnstone, Director of the College of Fine Arts, as guest speaker; a Picnic, August 2; Harvest Party and Corn Roast, September 27; and the Annual Meeting, November 22.

The new officers of the Clan are: President, Norman C. Curtin, E'24; Vice Presidents, Beatrice Crawshaw Walton (Mrs. Gordon C.), A'24, and Lloyd J. Lauffer, E'39; Secretary, Max R. Domras, E'39; and Treasurer, Eleanor Stanton Domras (Mrs. Max R.), M'38.

DIRECTOR OF RAYON PRODUCTION

The du Pont Company has announced the appointment of Frank H. Ernst, E'15, as director of production of the Rayon Division of the company.

Frank, or "Mike" as his classmates knew him, has been with du Pont since graduation. For seven years he was an area supervisor in the du Pont plant at Carney's Point, N. J., and then went to the Rayon Department's plant at Old Hickory, Tenn., where he was made plant manager in 1937.

NEW CONSULTING FIRM

Thomas R. Camp, Consulting Engineer of Boston, Massachusetts, announces the formation of a partnership with his associates Herman G. Dresser and Jack E. McKee, E'36. The firm will specialize in water and sewage works and the treatment and disposal of municipal and industrial wastes.

Jack McKee, after receiving his B.S. in Civil Engineering at Carnegie did graduate work at Harvard Graduate School of Engineering, receiving his M.S. and Sc.D. in Sanitary Engineering there in 1941. He was employed with the U. S. Public Health Service when called to active duty with the Corps of Engineers, participated in the Normandy invasion and the campaign across Europe as a sanitary engineer for the military government in combat areas.

Mr. Camp is internationally known for his fundamental research in hydraulic and sanitary fields and has occupied a prominent position among consulting engineers.

The new firm has offices at 6 Beacon Street, Boston, Massachusetts.



JACK E. MCKEE

CARNEGIE ALUMNUS

PITTSBURGH CLANS

The Pittsburgh Women's Clan held a very successful and enjoyable meeting at the Carnegie Union, Thursday evening, January 23. The group was entertained with a chalk talk by Dr. Cy Hungerford, the nationally known cartoonist of the *Pittsburgh Post-Gazette*, after which visiting was encouraged by the delicious refreshments.

The Annual Scholarship Bridge of the Women's Clan will be held in Thistle Hall on Saturday afternoon, May 10, with Miss Grace Borgerding as chairman.

The annual Spring Luncheon with Miss Nora Willetts as chairman will be held at the Twentieth Century Club, June 21.

The Pittsburgh Men's Clan weekly luncheon series held each Thursday noon in the Dickens Room of the Hotel Henry are continuing with increasing success. The programs provided have been varied and interesting.

The Annual Meeting of the Clan will be held in the Imperial Ballroom of Webster Hall Hotel, Wednesday evening, April 23, at 8:00 P.M.

ORGANIZES NEW BANK

The first new independent bank to organize in Montgomery County, Maryland, adjoining Washington, D. C., was opened November 18, 1946, under the name of The Bank of Silver Spring. The organization was originated by C. Maxwell Scrimgeour, I'25, and Donald K. Staley, an attorney of Silver Spring, Maryland.

"Scrimmy," a Sigma Nu at Tech and prominent in student affairs, is a member of the firm of William A. Scrimgeour, Engineer and Contractor, of Washington, D. C. The firm has many and varied interests in the manufacturing field and during the war was particularly busy in supplying materials for the Army and Navy.



C. MAXWELL SCRIMGEOUR

YOUNGSTOWN MEN'S CLAN

Clarence (Buddy) Overend, Director of Athletics; Coach William Donohoe, and Alumni Secretary, John Elliott, were guests of the Youngstown Men's Clan on January 10 for a discussion of the athletic picture at Carnegie. The meeting was held in the Red Room of the VFW Hall.

After a thorough, interesting and enlightening discussion, refreshments were served in the beautifully decorated grille. This attractive room was executed under the able direction of Myron N. Goodwin, A'27.

Among those present: Wm. M. Arnold, Lew Barger, R. F. Beatty, E. J. Brandon, Frank Ellis, Karl L. Fetters, J. H. Franz, Myron N. Goodwin, E. M. Griffith, Charles Hildebrand, H. B. Hildebrand, R. W. Justice, W. W. Justice, Henry W. Kachel, Francis J. Klempay, Frank G. Koval, Richard C. Lightcap, Charles W. Martin, William A. Milliron, Joseph F. Morbito, Herman E. Muller, George J. Murphy, Milton M. Rudick, J. C. Siegle, R. L. Troescher, E. P. Wimmer, Sr.



WHITEHEAD PROMOTED

J. Paul Whitehead, I'33, has been elected vice-president and a member of the board of directors of the Heminway Corporation of Waterbury, Connecticut.

Paul Whitehead has been active in the printing and paper field since graduating at Carnegie and was sales and office manager of the printing department of Warner Brothers company for ten years before joining the Heminway organization as general manager in September, 1944. He is active in many civic and social organizations as well as being director of the New Haven Typothetae.

Living in Watertown, Connecticut, with Mrs. Whitehead, the former Corinne Ehrlen of Bellevue, Pennsylvania, and their two children, Lynne and Jay, Paul uses his spare time for his hobbies of landscape painting and "gentleman farming."



HEADS NEW ACTIVITY

Albert J. Rosenberg, E'32, is heading up a new activity in the field of education undertaken by the McGraw-Hill Book Company, Inc. The new department will be known as the Text-Film department with Rosenberg as manager.

The new "package" of teaching tools for high schools and colleges, will consist of textbooks, 16 mm. sound motion pictures, and silent filmstrips, correlated to stimulate student interest and to give a realistic explanation of theories, principles, techniques and applications, especially in those phases of the subject most difficult for the average student to understand.

Rosenberg has had considerable experience in film work and education. During the war he had charge of the production of 75 motion pictures for the U. S. Office of Education. He has also served as consultant on many educational and training programs, taught at Johns Hopkins University and took graduate work at New York University.

ANNUAL MEETING PITTSBURGH MEN'S CLAN

Wednesday Eve., April 23, 1947
AT 8:00 P. M.

WEBSTER HALL HOTEL

Annual Election
Entertainment - Refreshments
Assessment - \$1.00 each

NOMINATIONS FOR DIRECTORS TEN TO BE ELECTED

Sam E. Bittner, E'24	Alex J. Lois, E'34
Don C. Blackwood, E'36	J. R. McGrane, E'35
Rob't. H. Caffee, I'30	Tom C. Pratt, A'30
John D. Evans, E'23	John E. Purcell, A'41
W. N. Flanagan, E'15	R. W. Schmertz, A'21
H. C. Godden, I'22	A. E. Thornquist, E'30
Ralph L. Kirk, E'14	R. S. Wilson, E'15
I. S. Wishoski, E'24	



ALUMNI EDITORIAL ASSISTANT

Miss Ruth E. Andrews has been appointed editorial assistant in the Alumni Office at Carnegie Institute of Technology. Her return to the campus was welcome news to her former associates and to her many friends.

Miss Andrews came to Carnegie first in 1922 as secretary to Gilmore Lee Tilbrook, E'15, when he was Manager of the Student and Graduate Employment, and Alumni Secretary. After Mr. Tilbrook's resignation in 1926 and the election of Clarence (Buddy) Overend, E'08, as Executive Secretary of the Alumni Federation, she became secretary in the Alumni Office, which position she filled until 1936.

Since leaving Carnegie, Miss Andrews has been associated with the American Board of Obstetrics and Gynecology.

BARRETT PROMOTED

Cecil H. Barrett, E'19, works department senior designing engineer for the City of Pittsburgh, has been promoted to assistant city engineer. Barrett has been with the city 24 years.

POOLROOM SCIENCE

Under this heading *Time* carried an article in the Sport Section of the January 20 issue about the discussion and demonstration of the science of billiards. The demonstration was conducted at the University of Michigan by the greatest billiardist of all, Willie Hoppe. The discussion was presented by Arthur D. Moore, E'15, Professor of Electrical Engineering at the University. (See page 10)

Arthur, a billiard player for 30 years, read a thesis defining bouncibility as the "coefficient of restitution," and divided all players into two groups: amateurs, who use a "ballistic" or shoving stroke, and professionals, who use a smooth controlled stroke, with a follow-through.

THE CUBA CLAN

FEBRUARY 12, 1947

DEAR JOHN:

If your expense account should stretch to Cuba you would have a most delightful trip. Alf and I spent our winter vacation here and had a most happy time—we brought our car over and toured the island from one end to the other.

While here Colin (Red) Stewart, I'34, and Ellen Bishop Stewart (M'34) organized the first meeting of the Cuba Clan in our honor. Present, besides the Stewarts and the Andrews, were Benito Lagueruela, E'44, and his wife, Mary Pollis Lagueruela, M'44; Marco T. Sierra, who was a Westinghouse student in 1920-21, and his wife. There is also in Havana, Joel Bigelman, E'46, and José Irribarre, who spent 1922-23 in Engineering.

We assured Colin that he had the nucleus of a real clan and that we were quite certain that you would make every effort to get down here to promote it, if the expense account would permit it. (Ed.—With pleasure!)

We visited the Goodrich factory, of which Colin is manager, and were astonished at its size and beauty. Everything is sparkling and clean. Imagine having an office building and factory surrounded by grass, colorful flowers, and palm trees in February! And marble steps and terrazzo floors!! No wonder Colin and Ellen never want to leave Havana. In fact they almost sold us on the idea, but home ties are still strong and, anyway, we do like Cleveland. However, I wouldn't be surprised if we spent our next vacation here, and gave up our long distance travelling.

We thought you might be interested in a report on our "foreign" alumni. It looks as though Colin Stewart has done an excellent job—he has more than tripled production, enlarged the plant, and built a new office building in the fifteen months he has been here!

ESTELLE G. ANDREWS, M'26



EXPORT VICE PRESIDENT

E. M. Gretzler, E'19, has been appointed vice president in charge of export sales for the National Supply Export Co., New York, a subsidiary of National Supply Co.

"Gretz," a star athlete at Carnegie, joined the National Supply Co. after graduation. In 1927 he was manager of the company's branch in the Ploesti oil field in Rumania, returning to New York in 1937 to become manager of export sales.

WITH ADMIRAL BYRD

Marion F. Davis, E'34, is one of a group of scientists accompanying Admiral Byrd on his expedition to the South Pole. Davis, is heading a group of four research men from the U. S. Naval Ordinance Laboratory in Washington, D. C. who are collecting data on magnetic phenomena in the Antarctica area.

PROFESSOR AT ILLINOIS

William W. Hay, E'31, until recently in charge of the Reading Railroad Company's construction project at Sunbury, Pa., has been appointed Assistant Professor of Railway Engineering in the Department of Civil Engineering at University of Illinois.

After earning his B.S. in Management Engineering at Carnegie, Professor Hay did graduate work in transportation at Yale University. He has had many years of experience with leading railroads including the Pennsylvania and Milwaukee.

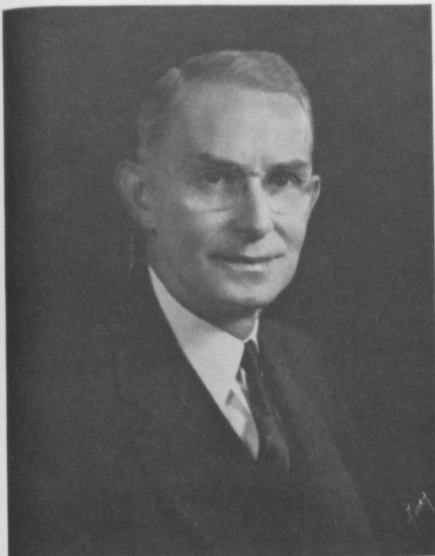
While in the employ of the Milwaukee, Professor Hay entered the U. S. Army, serving three years and attaining the rank of lieutenant colonel. He went overseas with the 710th Railway Grand Division and spent a year in transportation rehabilitation in the European theatre. Later he volunteered for a special assignment and served eight months

(Continued on page 12)



ARTHUR D. MOORE

CAMPUS NEWS



CHANCELLOR FITZGERALD

46TH COMMENCEMENT

The first honorary degree in 32 years and the third in the history of Carnegie was conferred on Chancellor Rufus H. Fitzgerald of the University of Pittsburgh at the commencement exercises, February 2, in the Theatre of the College of Fine Arts.

The citation was made by B. Kenneth Johnstone, director of the College of Fine Arts at Carnegie, with the following remarks:

"Mr. President, I have the honor to present for the degree of Doctor of Laws, Rufus Henry Fitzgerald, chancellor of the University of Pittsburgh.

"Though a loyal son of the South, who graduated from Guilford College in North Carolina and the University of Tennessee, he followed the pursuit of knowledge from university to university even when it crossed the Mason and Dixon line. In his field of education he has shown himself a vigorous scholar, a modest and quietly efficient administrator, but above all, a loyal friend of students and faculty.

"Mr. Fitzgerald's entire career has been marked by a singular devotion to young men and women. In his early academic days he served as general secretary of the Young Men's Christian Association in three universities. From 1928 until his association with our sister institution, he occupied the distinguished post of professor and head of the Department of the History and Appreciation of Fine Arts and Director of the School of Fine Arts at the University of Iowa.

"Steeped in knowledge of the creative

arts, he has followed the tradition of the great masters. His canvas has been youth. His palette, held in a firm hand, has overflowed with the cool colors of wisdom, the warm colors of unselfish devotion, and the highlight of sincerity. He has painted in bold colors.

"No museum will ever hold his works, for they live among us."

Ninety Bachelor's degrees were conferred at the exercises, 84 of them in the College of Engineering and Science where all but six were former servicemen completing their education under the GI Bill of Rights. Three graduates of the Margaret Morrison Carnegie College received the Bachelor of Science and the Bachelor of Fine Arts was awarded to two graduates of the College of Fine Arts. Master of Science degrees were conferred on 11 graduate students, and the Doctor of Science was awarded to Yuan Hsi Chou, graduate of the National University of Chekiang, China.

Honor graduates in the College of Engineering and Science included Jerard N. Pederson, Joseph H. Dickson, Robert E. Morrison, Norman F. Parker, Arthur J. Opinsky, Edward J. Croop, William L. Shafer, Charles R. Frownfelter, William A. Gabig, and August E. Binder. All of the foregoing with the exception of the last named are former servicemen.

In the graduating class was one couple, a veteran and his wife, Edson L. and Shirley F. Tennyson. Tennyson, who held a George Westinghouse Scholarship at Tech, received the Bachelor of Science in Management Engineering and the degree of Bachelor of Engineering as well. His wife was awarded the Bachelor of Science in General Studies.

Another graduate was Theresa M. McLaughlin, the first woman to be granted a degree in Electrical Engineering by the College of Engineering and Science.

Foreign students who received degrees included, in addition to Dr. Chou, five students from India sent to Carnegie by their government for advanced study. They received Master of Science degrees.

The commencement program also listed two children of Tech graduates; Jeanne L. Powell, daughter of C. E. Powell, E'19, Bachelor of Science in General Studies; and George M. Anderson, E'42, son of Kathryn Mullen Anderson, M'17, Master of Science in Electrical Engineering.

Howard N. Eavenson, prominent mining engineer and member of the Board of Trustees, made the commencement address, speaking on "Character and Engineering."

DR. WATKINS RESIGNS

Dr. Charles Watkins has been granted a leave of absence effective July 1 of this year following which he will retire as Director of Margaret Morrison Carnegie College, it has been announced by President Doherty. Beginning February 1, 1947, Miss Edith M. Winchester became Assistant Director. She also continues in her capacity as Professor and Head of the Department of Secretarial Studies.

Dr. Watkins joined the Carnegie faculty in 1915 as Associate Professor of Chemistry. In 1918 he became Professor and Head of the Department of General Science in Margaret Morrison and in 1929 he was named Chairman of the Faculty of that College. Since 1933 he has been Director. From 1930 to 1938 he also served as Assistant to the President.

In 1940 on the occasion of Dr. Watkins' twenty-fifth anniversary at Carnegie the alumnae of the Margaret Morrison Carnegie College paid him the following tribute at a luncheon in his honor in the College Club: "As students and alumnae we have found you a wise, tolerant and sympathetic adviser. Your keen sense of humor has been a delight to us all. We especially appreciate the simple honesty and friendliness we have felt in all our relations with you."

Dr. Watkins has announced that next fall he will return to teaching as Professor of Chemistry at Lincoln Memorial College in Morristown, Tenn., where he was born.

Miss Winchester has been at Carnegie since 1919, in the Department of Secretarial Studies. She became acting head of the Department in 1926 and head in 1929.



DR. CHARLES WATKINS



DR. SCHOEN RETIRES

Dr. Max Schoen, Professor and Head of the Department of Psychology and Education, has been granted a leave of absence for the academic year 1947-48, after which he will retire from the faculty, it has been announced by President Robert E. Doherty.

At the same time Dr. Doherty announced as Dr. Schoen's successor, Dr. B. von Haller Gilmer, formerly of Dr. Schoen's Department at Tech and now Associate Professor of Psychology at the University of Virginia, Charlottesville. Dr. Gilmer's appointment becomes effective September 1 of this year.

Dr. Schoen, noted author and teacher, has been a member of the Carnegie faculty since 1921 and recently celebrated 25 years on the campus. He has been head of his Department since 1925. At the end of the current academic year he will make his permanent home at Thetford, Vermont, where he has spent his summers for many years.

Dr. Gilmer first joined the faculty of Carnegie in 1936 as Instructor in Psychology, and was promoted to Assistant Professor the following year. He was granted a leave of absence in 1942 to enter the service as a Captain in the Army Air Forces. He was discharged in 1946 with the rank of Major and received a commendation from Major General Hodges for his outstanding services with the Psychological Research Program at the Fort Worth Air Base. He returned to Carnegie last spring and left in September for his present post at the University of Virginia.

Dr. Schoen, a prolific writer, has published numerous books and articles dealing with music, art, and religion, as well as with psychology. His most recent work is "Thinking About Religion" published last year and called by critics "a penetrating, deeply introspective volume . . . which helps to cement his nationwide reputation as one of America's outstanding philosophers." Other recent works of Dr. Schoen have been "The Enjoyment of the Arts" which he edited, "The



DR. GILMER

Understanding of Music" and "Human Nature in the Making."

In 1940 Dr. Schoen and Dr. Gilmer were co-authors with Dr. L. F. Shaffer, formerly of the Tech faculty, of a psychology textbook published by Harper and Brothers.

Before coming to Carnegie Dr. Gilmer was Professor of Psychology at King College, Bristol, Va. He received his Ph.D. degree from the University of Virginia in 1934. He is a member of Sigma Xi, research honorary, the American Association of University Professors, the American Psychological Association and the Southern Society of Philosophy and Psychology.

TAU BETA PI

The Carnegie Chapter of Tau Beta Pi, Pennsylvania Gamma, celebrated the 30th anniversary of its founding on December 16 at a banquet in the University Club attended by more than 200 engineers of the district. President Doherty served as toastmaster.

The speaker of the evening was Professor A. D. Moore (see page 8) of the Department of Electrical Engineering, University of Michigan. Professor Moore, who graduated from Carnegie in 1915, served as president of the national organization of Tau Beta Pi from 1926 to 1930 and since then has been active as Director of Fellowships. He has been at the University of Michigan since 1916. During World War II he served on a committee of the National Inventors' Council.

The banquet also marked the initiation of 14 student members of the Chapter and in addition the initiation of Dr. Edward R. Weidlein, Director of the Mellon Institute of Industrial Research, as an honorary member.

A number of national officers came to Pittsburgh to take part in the celebration of the anniversary. In the 30 years of its existence Pennsylvania Gamma has initiated 645 members.

TUITION INCREASED

Because of increased costs of operation, the Carnegie Institute of Technology has announced an increase in tuition fees effective with the fall semester of 1947-48. The increase, recommended by a special committee and the Executive Board and approved by the Trustees, amounts to approximately 22% in the College of Engineering and Science, and 5% in the Margaret Morrison Carnegie College. The new tuition rate affects both day and evening students in these colleges. Tuition in the College of Fine Arts is unchanged.

Beginning with the fall semester the tuition in the College of Engineering and Science for a full-time day schedule will be \$550, or \$275 per semester, instead of the present rate of \$450 per year. Margaret Morrison students will pay \$400 a year instead of \$380. A corresponding increase has been made in fees for part-time students. The present tuition in the College of Fine Arts is \$450 per year.

It is estimated that between 50 and 60% of the veterans attending Carnegie will be able to meet the increased tuition cost under the G.I. Bill of Rights, depending upon how much of his course each has completed and the length of entitlement remaining.

The G.I. Bill of Rights provides for the payment of customary costs of \$500 per academic year while the veteran is in training, these costs being defined to include tuition, laboratory and other fees, books, supplies, and equipment. When these costs are in excess of \$500 they may be charged against the veteran's future entitlement at the rate of \$2.10 a day, and the veteran ultimately loses an equal number of days of subsistence allowance. A veteran whose term of entitlement extends sufficiently beyond the time necessary for the completion of his college course may therefore charge all of the customary costs in excess of \$500 against this entitlement.

Veterans who show promise of graduation, whose entitlement may become exhausted before graduation, and who must have financial aid, will be assisted insofar as possible within the resources of Carnegie's scholarship and loan funds, President Doherty announced.

Veterans under Public Law 16 (Disability Bill) are not affected by the increase in tuition inasmuch as these expenses are all met by the Government.

The increase in tuition announced at Carnegie is in line with increases at other colleges and universities in the past year. All educational institutions are meeting higher operational costs to which the enlargement of the student body actually contributes. This is especially true at Carnegie where the tuition is roughly only half the expense of educating a student today. (See page 4.)



CELEBRATED SOPRANO ON MUSIC FACULTY

Ria Ginster, celebrated European soprano, has joined the faculty of the Department of Music as Visiting Professor of Voice for the present semester, it has been announced by B. Kenneth Johnstone, Director of the College of Fine Arts.

Miss Ginster, a native of Frankfort, Germany, received her musical education in that country and holds the Diploma with Distinction from the Hochschule in Berlin, where she studied under Professor L. Bachner. She has been Professor and Head of the Voice Department at the Conservatory of Music at Zurich, Switzerland, since 1937.

In 1935-36 Miss Ginster made her first American concert tour and was enthusiastically received by American audiences and music critics. The following year she made another equally successful tour of this country. She has sung in oratorios and cantatas and with famous orchestras in Europe under many noted conductors including Furtwängler, Sir Thomas Beecham, and Bruno Walter. In this country she has appeared with the New York Philharmonic Orchestra under Barbirolli and with the Chicago Symphony conducted by Frederick Stock. In concert work she is especially well-known as a singer of Lieder.

While at Carnegie Miss Ginster will give individual instruction in singing to regular students of the Department of Music.

VETERANS ADMINISTRATION OFFICE

An office of the Veterans Administration has been established at Carnegie to expedite the handling of veterans' claims and other business between student veterans and the Government. Two full-time training officers and two clerks have been assigned by the Government to the new office.

MISS MILDRED LAWTON

Friends of Miss Mildred Lawton, Curator of the Department of Music, were saddened to learn of her death on March 3. She had been in ill health for more than a year.

Miss Lawton had been connected with Carnegie since 1916, first as a student and later as recorder for the College of Fine Arts. She had been curator in the Department of Music since 1930.

Miss Lawton was unstinting in giving her time and energy to every worthwhile cause and it is no exaggeration to say that hundreds of students have known and appreciated her advice and generous help.

ON THE AIR

Carnegie students have been taking an active part in two regular series of forum discussions of current problems over the radio.

Last fall, in cooperation with the Columbia Broadcasting System's School of the Air, Tech students began broadcasting every other week at five-fifteen on Friday afternoons over Radio Station WJAS, Pittsburgh.

The program follows a fifteen-minute discussion of selected problems by well-known speakers over a national hook-up. Four students, with Stanley R. March, Tech head of Public Relations, as moderator, continue the discussion for fifteen minutes over the local station. On alternate Fridays the discussion is by Pitt students with another moderator.

The second radio series in which Carnegie is taking part is the University Soapbox of the Air sponsored by the Pittsburgh Post-Gazette and presented over Radio Station WWSW on Tuesday evenings from eight until nine o'clock. Dr. Robert D. Gregg, Head of the Tech Department of History and Chairman of the Foreign Policy Association of Pittsburgh, acts as moderator. This program follows in general the procedure of the Town Meeting of the Air with the presentation of both sides of a chosen question, some rebuttal and questions from the audience. The colleges cooperating in this undertaking are, in addition to Carnegie Tech, the Pennsylvania College for Women, the University of Pittsburgh, Mount Mercy College, and Duquesne University.

CAMPUS PERSONALITY



ROBERT DANFORTH GREGG, the genial and popular head of the Department of History and acting head of the Department of General Studies in Margaret Morrison Carnegie College, brought honor and glory to Wellington, Ohio, by the fortunate circumstance of his birth there. Always one to take advantage of good things close at hand, Bob chose nearby Oberlin College for his alma mater and, after a distinguished undergraduate career which included the managing editorship of "The Oberlin Review," he received his A.B. degree in 1923 and went on to the University of Michigan for his M.A. degree in 1925.

After teaching three years at the Friends Seminary, New York City, Dr. Gregg decided to make History his life work and entered the Graduate School of Johns Hopkins University, where he was awarded a Ph.D. in 1933. In the fall of that year he came to Carnegie, was appointed acting head of the Department of History in 1935, and elevated to the head of the department in 1936. When Dr. McLeod, Head of the Department of General Studies in Margaret Morrison Carnegie College, retired in 1946, Dr. Gregg was appointed acting head of that department also.

Dr. Gregg is active in the cultural affairs of the community and is much in demand as a speaker and moderator of forum programs. He is chairman of the Foreign Policy Association of Pittsburgh, a member of the executive committee of the Economic Club of Pittsburgh, also of the Phi Beta Kappa Association of Pittsburgh and a past president of the Agora Club. He is moderator of the "University Soapbox of the Air" broadcast over WWSW at 8:00 P.M. each Tuesday.

A member of many professional and honorary societies, Dr. Gregg is author of "Influence of Border Disputes on Relations between U. S. and Mexico—1876-1910," published by Johns Hopkins Press. He and his charming wife, the former Miss Lois Estes of Bennington, Vermont, pursue their hobby of travel and study in distant lands, when his duties at Carnegie permit.



ALBERT J. MATTHES

PAN-AMERICAN SCHOLARSHIPS

Simultaneously with the announcement of the formation of a new educational Foundation by Albert J. Matthes, E'17, President of Machinery Liquidating Company of New York City, called The Matthes Foundation, Inc., comes the news that the Foundation

is offering three One Thousand Dollar Fellowship Awards this year to Latin American students who can qualify for graduate work at Carnegie Institute of Technology in five branches of Engineering, Physics, Chemistry and Mathematics.

Recipients of the fellowships will be chosen as a result of competitive examinations under the auspices of the Graduate Record Office of Carnegie Foundation, on or before March 31, 1947. Both the Pan-American Union and the International Institute of Education have expressed wholehearted approval of the plan.

Commenting on the awards, Dr. Jones, Director of the College of Engineering and Science, said, "The College of Engineering and Science at Carnegie Institute of Technology is aware of the acute need for well trained engineers the world over. We are glad to help fulfill the laudable aim of the Matthes Foundation in providing three fellowships for graduate study in engineering and science here at Carnegie Tech for the academic year 1947-48. We will welcome these students from Latin America most cordially and will endeavor to make them at home in the U. S. A. We will give them the best engineering training of which we are capable."

Albert Matthes, after serving in the Navy in the First World War, entered the machinery business and, in 1923, organized the Machinery Liquidating Company, which has now become internationally known.

DR. JONES HONORED

Stevens Institute of Technology conferred the honorary degree of Doctor of Engineering on Dr. Webster N. Jones, Director of the College of Engineering and Science, at their commencement exercises, February 1.

The citation, read by President Davis of S. I. T., said in part: "... He has inspired loyalty not only to himself, but notably to the engineering profession, in many hundreds of students.

"During World War II he rendered important advisory services in numerous phases of the 'battle of Washington.' Of particular interest to me was the fact that the Office of Production Research and Development was established, and its first Director was chosen, largely by him. That we made no more mistakes than we did during our first several months was due almost wholly to his loyal support, his wise counsel, and his generous willingness to come to Washington on a moment's notice. . . ."

PROFESSOR AT ILLINOIS

(Continued from page 8)

in Korea, reestablishing its transportation and communications under the order of the American Military Government.

Professor Hay and his wife, the former Mary Hubley, A'36, will reside at 705 West Main Street, Urbana, Illinois.

Mr. and Mrs. Nat Brodell, Hallie Loomis Craytor, B. Murray Davidson, Dorothy Douglas, Junior W. Everhard, Evelyn Reese Gage, Mr. and Mrs. Harry Gellin, Mr. and Mrs. J. Byers Hays, James T. Hoffman, Dorothy Newell Jenness, Anthony M. Kebe, Gertrude Geidel Kebe, Alice Nelson Koppes, Wayne F. Koppes, Frank B. Kreider, Elizabeth Luft, Albert C. May, J. J. McCarthy, George T. Motock, Mr. and Mrs.

George E. Oetting, T. W. Plante, Margie Conley Scholze, Elmer T. Scholze, Joseph F. Shuri, P. Hoffer Sload, Kay Harrington Sload, Mr. and Mrs. William G. Sullivan, Mary Quick Sylvester, Prof. and Mrs. Horace R. Thayer, R. H. Wehrle, George S. Hobbs and Louise Zonge Hobbs.

DOROTHY DOUGLAS, M'27
Secretary

(Clan News continued on page 24)

CLEVELAND CLAN

The Cleveland Clan with their wives and husbands met on Friday, January 24, at historic Dunham Tavern on Euclid Avenue for a potluck supper. The supper wasn't just luck but those who got it were lucky!

More than seventy were present from Cleveland, Elyria, Painesville and Pittsburgh but the prize for coming the longest distance went to the wife of B. Murray Davidson, A'35, who arrived from Scotland shortly before the meeting.

Guest speakers of the evening were Coach William Donohoe and Alumni Secretary, John Elliott, from Tech. They gave us a clear picture of affairs at the school, especially the athletic situation.

In addition to a streamlined version of the City Slickers (Phil Diehl and his marimba were quarantined for measles) we had the Cleveland Octette for a nightcap.

Among those present: B. F. Anthony, Margaret Taylor Ayars and husband Dave, (fiddler par excellent), Frank L. Balthasar,

SCOTCH AND SODA CLUB

PRESENTS *1947 Musical Review*

"ROCK 'N' RIOT"

CARNEGIE MUSIC HALL

Alumni Night

Tuesday, April 29, 8:15 P. M.

TICKETS ON SALE AT ALUMNI OFFICE

Prices \$1.90 to \$2.40, Including Tax

CLASS NOTES

DOROTHY STAUFF COREY, M'44 Aug., Editor

COLLEGE OF FINE ARTS

1911

Emmett J. Hatcher. See page 24.

1912

REUNION YEAR

Addresses needed: C. M. Hoffman, W. M. Johnson.

1913

J. Byers Hays, past president of the Cleveland Chapter of the A.I.A., recently completed a City Planning course at Massachusetts Institute of Technology.

1915

Hyman L. Rubin. See page 24.

1917

REUNION YEAR

Addresses needed: Merle W. Alley, W. D. Armstrong, Lucy A. Barton, Vivian Cuff Boyd (Mrs. Charles H.), Bennett B. Cardwell, F. Robert Clinton, John T. Dunbar, Frederic McConnell, Virginia Clay Schultz, H. Wallace Smith, Mrs. Vincent B. Wheeler.

1920

Frances Kepler Test (Mrs. Russell) and her family have moved into their new home at 1049 Hinman Avenue, Evanston, Illinois. Mr. Test is Manager of the Midwestern District for Phoenix Glass Company. Their daughter, Alice Kepler Test, is a freshman at Limestone College in Gaffney, S. C.

1921

Rose Goff Smilay (Mrs. H. H.) is living at 1666 Balmoral Drive, Detroit 3, Michigan, with her husband, an attorney, and their two children—Malcolm G., 20, and Rhoda Beth, 16.

1922

REUNION YEAR

Addresses needed: Howard Claney, George C. Held, Everett H. Hughes, Clarence W. Hunt, Vivienne Maloney, L. L. Nusbaum, Otto M. Olsen, Carl B. Reid, Virginia Moorman Reimert (Mrs. William D.), Jennie Stern, Hannah W. Thomas.

Major Charlotte Schuman, discharged from the Army last September, has joined the sales department of Milton Bradley Artist Supply Company, Springfield, Mass.

1924

Earl Gross, as chairman of arrangements, conceived and planned the successful "COSMOPOLITAN" Illustration Contest held in the Stevens Hotel Ball Room in January.

1926

Harold E. Wagoner sent in the following report on the Reunion last fall: "This is a somewhat tardy report concerning the wonderful twentieth reunion of the architects of the Class of 1926. We had a big crowd, consisting of 1. Bill Simboli, Chairman of the Homecoming Committee; 2. Kline Fulmer; 3. yours truly. Now of course we realize that the hotel strike was an element calculated to curb the fervor of some of the more timorous architects. However, when such vigorous stalwarts as Earl

Wheeler, Max Bastian, Mike Goodwin, et al, failed to put in an appearance, we decided that something should be done about it. We therefore prepared long telegrams calling attention to the error of their ways (in a polite and gentlemanly fashion) and sent them to each. The master touch, I thought, was added by Kline Fulmer, who suggested we send them collect. We are now engaged in concocting some really monumental skullduggery to be perpetrated upon all who fail to attend our 25th reunion in 1951. So beware, you prematurely senile backsliders!

"Many thanks to Bill Simboli and his good-looking wife for entertaining us at dinner. It was a nice gesture. Also, I might add that it was a pleasure to talk with Ray Simboli, Bill's brother, who still teaches freehand to the boys of the drafting room. He looks younger than ever. See you all in 1951!"

1927

REUNION YEAR

Addresses needed: Robert J. Alderdice, Dorothy Boyle Bastian (Mrs. Max W.), Paul M. Bott, Harold A. Brink, Marion Truesdale Carroll (Mrs. Herbert R.), Mildred Simpson Carruthers (Mrs. Hugh G.), Teresa V. Dempsey, Harold Forgostein, Howard C. Geary, Mary McConahey Johnston (Mrs. Louis W.), J. B. McCool, Margaret Gallagher McLaughlin (Mrs. John M., Jr.), Dorothy Cohen Millard (Mrs. Samuel), O. Kenneth Moore, Margaret G. Norris, Hyman Rosenberg, Ella M. Scanlon.

Harriett Richmond Lampe (Mrs. William S.) writes from Detroit: "The Lampe house bulges with kids and ceramics. Kids—Keith, 15; Elin, 12; and Seth, 8. Ceramics, inspired by Clayter, evolved through the Detroit Art Alliance, where a small group of Carnegie Women study Life and Ceramics."

Ida Waldron was married recently to Mr. Jefferson Bernie. They are living at 205 West 54th Street, New York, N. Y.

1928

John W. H. "Herb" Evans has been elected president of the Store Modernization Show Corporation. He will head a show of store fixtures and equipment at the Grand Central Palace, New York, the week of July 7.

1929

Sister Maria del Rey, formerly Ethel Danforth, imprisoned by the Germans during the war, has returned to her work at the St. James Academy, Malabon, Rizal, Philippine Islands.

Roy F. Dietz is band instructor and music teacher at Taylor Alderdice High School in Pittsburgh.

1931

Anthony F. Sweet wrote in January from Sherman Oaks, California: "Forced to build a home in order to be with my family—wife, two boys, and a girl. Separated since last March—housing! Between strikes I'm working at Paramount Studio as a set designer..."

1932

REUNION YEAR

Addresses needed: Katheryn L. Andrews, Morton H. Caine, Dorothy J. Culley, William G. Edwards, George M. Gress, Wilma H. Heckert, L. Catherine Houk, Allen F. Kuntz, Rowland J. Morgan, Jr., Gladys Woods Plummer (Mrs. Wilbur), Cora Logue Polen (Mrs. Thomas), Amelia Miller Reichenbecher (Mrs.

W.), Thelma Smeltzer Rieger (Mrs. George L.), James D. Rogan, John M. Sherrer, McClellan Shinn, W. Linwood Thompson, Samuel K. Wilson, Melvin L. Wolfson.

Elizabeth G. Fonner is living in Oklahoma City, Oklahoma, where she is now Case Work Supervisor for the American Red Cross and also Special Instructor, School of Social Work, a graduate school of the Oklahoma University.

Elmer A. Lundberg was married in January to Dorothy V. O'Brien, M'42. Ushers at the ceremony included George W. Frey, Jr., E'42 Dec., Gerald G. O'Brien, E'46, and Frederick T. Loeffler, A'40.

J. Henry O'Shea is employed by the Veterans Administration as Technical Assistant for Underwriting, Insurance Service, Branch 12, San Francisco, Calif.

Sidney Wein wrote recently: "Am now general manager of Display Guild, New York City. Have remarried and acquired another daughter in the deal. Now have three daughters and one son. Recently bought home in Bellaire, Long Island, and am rapidly becoming a commuting suburbanite."

1933

Joseph P. Corbett, Jr. See page 24.

Clyde F. Mock has accepted a position as teacher of commercial art in the Vocational School of McKeesport, Pa.

1934

Janet Feather was married May 1, 1946, to Franklin J. Neuberger. They are living at 41 Pierrepont Street, Brooklyn Heights 2, N. Y.

M. DeWitt Grow writes from Toledo, Ohio: "Now have a future 'Skibo'—Michael Robert Grow, aged 2½, who might even become an architect. His dad entered partnership in January, 1946, with Britsch & Munger, Architects, Toledo, and was elected to secretaryship of Toledo Chapter, A.I.A. the other night.... Partner Carl G. Britsch, A'16, and I have architectural affairs in Toledo firmly in Tech hands!"

Margaret Covington Mann was married January 5, 1947, at Great Neck, Long Island, to Casper Crowninshield Bemis, Jr., of Chesham, New Hampshire. Margaret spent three years with the Women's Army Corps, the last year and a half in Africa and Italy. The couple will make their home in Chesham, N. H.

1935

Bill Roos and his wife, Audrey Kelley, are writing mystery novels under the collaborative name of Kelley Roos. Their latest "whodunit," sold to "American Magazine," is laid in Pittsburgh on the old Golden Rod Show Boat, on which they both worked while students at Carnegie. Bill was represented on Broadway this season, having adapted Bellamy Partridge's "January Thaw" for the stage. A couple of the Kelley Roos mysteries have already been made into pictures.

1936

Robert S. Robison is Assistant Professor of drawing in the Applied Arts College of the University of Cincinnati. He is also carrying on his activities in advertising design and illustration.

1937

REUNION YEAR

Addresses needed: Cameron R. Brown, Charman B. Christy, John A. Grove, Jr., Nancy Bell Grove (Mrs. John A., Jr.), Clinton J. Haber,

Robert M. Hawn, Jr., William Herz, J. Barbara Kocyan, Cathryn E. Law, George N. Lloyd, Dorothy Long Moan (Mrs. Emmet A.), Richard M. Murphy, Virginia Wright Pack (Mrs. S. S.), Louis William Reid, Elizabeth Ramsey Riggs (Mrs. William H.), Bernice L. Robb, Portia Matthews Schleihauf (Mrs. Robert), Kenneth B. Schock, Alden H. Smith, Neal W. Sparks, Jack W. Spatz, Eleanor Stern, Harriet Butler Stevenson (Mrs. T. S.), Edgar J. Trapp.

Charles E. Ashbaugh, Jr. is teaching Drama and Speech at Pomona High School in Pomona, California. He is also working for his Master of Art's degree in speech at the University of Southern California.

1938

Edward A. Roncone has recovered from wounds incurred during the war and is now head of the Neville Island (Pa.) schools. He and Mrs. Roncone (Jean Ella Bickel, M'38) have a son, David, four years old.

1939

Theodore S. DeLay, Jr. is an assistant professor on the staff of Humboldt State College at Arcata, California, and is Director of Radio for the college. Ted received his Master of Art's degree at the University of Southern California last spring.

Julia Miller Melman (Mrs. H. K.), in Detroit, has organized a gypsy string orchestra. They opened in the Burgundy room of the Ft. Wayne Hotel, and then moved to Geisz Inn. The Melmans have two daughters—Betty Marie and Lynne Valorie.

James C. Morehead, Jr. is an assistant professor in the Department of Architecture at the Rice Institute, Houston, Texas. Mr. Morehead served in the U. S. Army Field Artillery and attained the rank of Lieutenant Colonel.

Susan Carter Stampados (Mrs. D. G.) left in November for Weisbaden, Germany, to join her husband, Lt. Col. D. G. Stampados.

1940

Jean Smith Chadwick (Mrs. James) has joined the faculty of New Jersey College for Women as a lecturer in music.

James D. Fox is Assistant Traffic Manager of the American Overseas Airlines, Inc., with headquarters in Berlin, Germany.

1941

Lillian Dorsey was married December 30 in Baltimore, Md., to Archie Newton Colby. They are at home, 409 Harrison Street, West Lafayette, Ind.

Jane Arnold Scheline (Mrs. Don) left her teaching position in Munhall, Pa., last September to specialize in "Home Management." She illustrated a children's music book published recently.

1942

REUNION YEAR

Addresses needed: Mercedes Cunningham, M. Eugenia Daugherty, Beverly Dobrin, Jack M. Evans, Edith Martin Evelyn (Mrs. Dow), David John Jones, D. June Kirkpatrick, Peter J. Lupori, Leon Szura, Vera Yeager.

Louis R. Jacobs, Jr. was married last October to Dorothy J. King, A'45. They are living at 1444 Beechwood Boulevard, Pittsburgh.

1942 Dec.

Herman L. Hennessy is working for the Aluminum Company of America in the San Francisco Sales Office.

1943

Robert W. Reisacher has entered Princeton University to take postgraduate work.

1944

Delmar A. Damrau was married November 30, 1946, to Marion A. Reichard.

1945

Margaret A. Cole writes from Clinton, Connecticut: "After a year and a half as assistant designer to Ralph Kruck, A'31, in Springfield, Mass., and now at Clinton, on the Sound, I am becoming a native New Englander."

Dorothy J. King and Louis R. Jacobs, Jr., A'42, were married in Pittsburgh in October, 1946.

George E. Lees wrote in January from Venice, California: "I own and manage Sidne's Adornment Co.—manufacturers of costume jewelry and ornamental buttons here in California. Have made California my home by buying real estate here."

Clark S. Marlor writes: "I now have a position as assistant in the Department of Speech and Drama at Kalamazoo College. This is the oldest college in Michigan (founded 1833)... (with) a very lovely campus. You can well imagine my surprise when I attended a faculty dinner, at which we all introduced ourselves, and learned that another faculty member is a graduate of Tech. He is Dr. Howard N. Maxwell, an Associate Professor of Physics since 1940. He was graduated from Tech in '32...."

Frank S. Stevens writes: "At present I am living at 562 West 113th Street, New York, N. Y., with Jack Hochhauser, also A'45. There are several dramas in that neighborhood and we are still as clannish as we were at Tech...."

1946

Jane Alyce Hultz. See page 24.

COLLEGE OF ENGINEERING AND SCIENCE

1909

William L. Sprengle. See page 24.

1912

REUNION YEAR

Addresses needed: W. G. Blanchard, Richard C. Brown, James E. French, William C. McKean, Homer M. Phillips, Paul W. Schmidt, Lloyd D. Van Wegen.

1915

Frank H. Ernst. See page 6.
Arthur D. Moore. See page 8.

1916

Walder B. Ashworth is living at 14 Rosedale Avenue, West Chester, Pa.

Maurice Reswick is with the Standard Oil Company of New Jersey in the Foreign Marketing Co-ordination Department specializing in engineering problems.

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D. L. Trautman is a special lecturer in Physics at Drexel Institute of Technology, Philadelphia.

1917

REUNION YEAR

Addresses needed: Reamer W. Argo, Edward Baker, Raymond B. Bogardus, Leo V. Bohannon, James E. Borland, Horace F. Gibson, Carl H. Gross, Herbert E. Hellstrom, Thomas A. Hughes, Norman L. Jackson, George H. Lamborn, Warren C. Miller, Edward J. Missien, William F. Mooney, A. L. Morley, William L. Rembler, Frank A. Rider, Warren R. Walker, Harry Wanetick, Edgar W. Watson, Ralph O. Williams.

Tom Orr writes: "The following data has been compiled from various sources by a 'composite' editorship. Nothing is guaranteed.

"Max Albert operates a soy bean processing unit and other operations at Galesburg, Ill. Max is due back next fall.

"C. W. Andrews, always on hand at reunions, is still (we believe) in the steel business at Vandergrift.

"Louie Bilotta is still contracting in and around Pittsburgh. Lou won special fame at the 10th Reunion. He can be counted on.

"Harry Blackburn has been in Life Insurance for 13½ years in Pittsburgh. He has two daughters and one son, in the AAF at Anchorage, Alaska, who will soon re-enter Tech. Harry always maintains a great interest in Tech.

"Ray Bogardus is with the Goodyear Tire and Rubber Co. in charge of raw materials. During the War, Bo was with the Rubber Development Corp., mostly in Washington, but extensively in the Valley of the Amazon in South America, where Bo has actually been all over. This service prevented his being at the 25th Reunion. He is awaiting the end of shooting in Java to return there for Goodyear. Every second year Bo spends in the Far East unless war prevents. He is a world traveler; hates to stay put long. In the first war, he served with the Divisional Machine Gun Battalion of the 79th Division with great honor and knows what combat is like. If Bo goes to the East Indies, he cannot be with us at the 30th except in heart.

"Joe Burg is always present and we think is still with the Edgar Thomson Works of the Carnegie-Illinois Steel Co. at Braddock, Pa.

"Andy Carnegie has always been connected with Public Utilities which operate in Youngstown and Akron and many others cities in Ohio. Andy is the capable one in charge of power, and what a job that is. In the early days in Youngstown he was associated with Harry Madison, who died in 1927. Andy got a big kick out of the 25th Reunion and can be counted on for the 30th. Andy has a fine home and a fine family.

"Johnny Carothers has been elected to the Presidency of the Pittsburgh Stock Exchange for the third consecutive term without opposition—and that is something. Johnny is a bachelor and lives at the University Club. He is extremely active in all affairs of the class.

"Bob Conley, after two years in Naval Ordnance, has been with the Pittsburgh Plate Glass Company at Crystal City, Mo., as assistant to the works manager. Bob, we thought everyone from Missouri was in Washington! Hope to see you in the fall, Bob.

"Darwin A. Curtis—R.A.F. in the first war and a Combat (A-2) Intelligence Officer with the rank of Lt. Colonel in World War II (with a flock of decorations) on service with a Wing—that's a record. Ye Ed thought Darwin was lost, but Lyman Sherwood from Tulsa sent in the dope. Darwin is just opening up a business for himself in Dallas and would like to represent good non-competitive lines in that area. His address is in the Roster. Give him a lift along that line. You know his qualifications, which are 'top' in the sales engineering field.

"Arthur Einstein is Vice President in charge of merchandising in the largest department store in Youngstown, Ohio, and believe me, Arthur

is a merchandizer of parts. We wish to sympathize with you on the loss of your father-in-law recently. Arthur is one of the heaviest contributors to our Fund at Tech and has never missed a reunion.

"Cosine" Ray Einstein is at Gimbel's in Pittsburgh, also in charge of merchandizing. Ray has been around a lot of USA in the same capacity and knows his way.

"Ren Gaines, after being with Carey Roofing forever, left and went into business for himself—and what a smart move that was! So if you need the best representation down Cincinnati way, call on Ren. He has a fine home in suburban Cincinnati and a fine family. Ren helped us do a little moving in the Army—not so bad was it? With Ren it's sure fire to be at the 30th.

"Paisley Harwood has been made Vice-President in charge of engineering for Cutler-Hammer Company at Milwaukee—quite an assignment. We are all looking for Doc at the 30th. Doc had a couple of lads in the service, and one was badly used up but came out all right.

"Al Heston is Executive Vice President of the National Rubber Machinery Company of Akron, Ohio, and on the Board of Directors. His boy (Purdue '39) is with him in the same company. He has one daughter in Akron and one in Pittsburgh at the Allegheny General Hospital (this one is a PCW graduate). In March Al is always at Ft. Lauderdale. He is one of our heavy contributors in time and money has never failed to be on hand.

"Lou Jacobson is just completing a term as President of the Rotary Club of Dayton, Ohio, where he is President of Quality Steels, Inc. He is a leading light of the Engineers Club of Dayton. Over the past ten years he has taken over two farm houses in a manner that is a treat to the eye. Mrs. J. presides over these elaborate establishments just right, especially in the culinary departments. Lou has collected a lot of money for Tech and has pitched in with more funds himself than any other class member.

"Tony Kerin is now the sole owner of The Tower-Crossman Corporation, large wholesale stationers at 53 West 23rd Street, New York City. This was occasioned by the recent death of Mr. Crossman. Tony's company serves such clients as the United States Steel Corp., Bell Telephone, and others. Before stepping out for himself, Tony was with I. T. & T. and its ramifications. He was president of the Alumni Federation last year and is a member of the Executive Committee of the School. He gives lots of his valuable time to Tech. He lives in Westchester and has five children. Tony still looks the suave senator, and for my money could be!

"Carl Kindl, after a tour with Westinghouse at East Pittsburgh, went to Dayton with Delco Products and became General Manager of that large division of the General Motors Corp. Leaving Delco about 1940, he became Vice President in Charge of Production for the National Cash Register Company at Dayton; then Executive Vice President. In 1946 Carl left to go with the Aviation Corp. in charge of manufacturing. He sold his Dayton homes and now lives in Bloomfield Hills, Mich. At reunions, Carl is the life of the party and would never miss.

"A. J. Matthes, Matty to you, has come a long way during the war and has made large donations to Tech. Not having heard from Matty we cannot go into details, but we congratulate you. (See page 12.)

"Red Merrill is President of the American Gas Accumulator Company of Elizabeth, N. J., and a director of its many affiliates such as the Elastic Stop Nut Co. and the Agaloy Co. Red lives in Westfield, golfs at the Suburban Country Club, and always raises 'hell' at reunions along with everyone else. He was the first member of the class to give his bonus from the last war to the school and has followed through handsomely since.

"Roy Mumma is the country gentleman of the class. He lives in rural splendor about ten miles south of Pittsburgh. Roy is an expert in papers and is with Alling-Cory.

"Bill Norman is another who never misses these Reunions. As far as we know, Bill is still with Bell and lives in Jersey at Plainfield.

"Tom Orr has just been elected National President of the Society of Plastics Engineers Inc., and is one of the first Carnegie Tech men to be elected President of a national engineering organization. Tom is proud of the Purple Heart with Palm and other decorations from World War I as a captain of infantry, and in World War II as a major in the Air Corps. He was retired for total and permanent disability in line of duty. At present, he is Vice President, Secretary and Treasurer of Plastic Engineering, Inc., of Cleveland and owner of Plastic Engineering Research Company, Keystone Plastics Company, Lighthouse Service Company and others. He belongs to many engineering and civic groups and to all of the veterans organizations. In winters he can be found in Cleveland at the Cleveland Athletic Club or the Lake Shore Hotel, and in the summers at Hazelhurst, Wis.

"Elmer Peterson is also a Vice President, in Charge of Steel Mill Sales for the Cutler-Hammer Co. of Milwaukee. Pete is an ardent golfer and plays all over the U.S.A.

"Ted Ross (Commander USN) gave his all to the Navy again this war and has now settled down again to a normal life at Pittsburgh.

"Louie Rowe is Engineer for the Controller of Continental Can Company at Chicago and lives in Oak Park. Lou travels around all of the plants of Continental looking over production and giving the devil where it is deserved, etc. Lou lost his oldest boy in the battle of the Bulge and has our sympathy.

"Ray Salsbury is always on the job and practically (next to Tom Fitzgerald) runs the Pittsburgh Railways Company. Ray lives out in the South Hills where he keeps under close and perpetual guard the prize for the last man. He is secretary for the Committee and will assist everyone who writes in.

"Bill Searight is one of the few members of the class who has a boy in school at this time. Bill developed Reflectors (which pick up headlight rays) and is actively engaged in their manufacture. He says, 'It's better than mining gold.'

"Lyman Sherwood has returned from the land of the missing. Sherry is still in Petroleum, lives in Tulsa, and is actively engaged in engineering design in problems of heat transfers, etc. and wonders if anyone else is so engaged at this time. Sherry (we hope) will get to the next reunion.

"Ken Smullen lives between Dallas and Fort Worth in the wide open spaces. Last time we saw Ken we bumped into him in a filling station at Abilene, where he was stationed as a captain of Engineers. Later he moved up to colonel. He will recount his tales in person.

PLASTIC ENGINEERING, INC.

8506 Lake Avenue
Cleveland 2, Ohio



TOM ORR, Eng. '17
Vice President and Secretary-Treasurer

"Al Staehle publishes one of the big industrial papers in the East, lives at Bronxville, where it is really doggy, addresses chambers of commerce all over the U.S.A., and always turns out for reunions.

"Wilmer Stine recently received the highest Naval award going to civilians—the Distinguished Civilian Service Medal, with this citation: "By his splendid contributions of direct benefit to the Navy in the increased effectiveness of our submarines, Mr. Stine has distinguished himself in a manner deserving of the Navy's Highest Civilian Award." Wilmer's boy was wounded on Okinawa with the first Marines and survived a direct bullet hit in the head, bayonet wounds, and shell fragments in both legs. This fall he entered Ohio State.

"Charlie Wagner is still Director of Research for the Westinghouse Electric Corp. at East Pittsburgh, and specializes in logarithmic equations and handsprings at reunions.

"Harry Weber early in the war decided to leave his first love—the distributorship of Chrysler and Plymouth automobiles in Erie—and went out to be with the General Electric Corp. Harry is now Director of Safety and Personnel at that huge plant. Harry has never missed.

"Wayne Wilson has a steel company of his own at Detroit, rolls in dough, bowls well at the DAC, likes frog legs, and occasional Scotch, always thinks he is going to be at the Reunion but gets caught in a heavy snow and never turns up. Can't understand it. This time we are going to send Charlie Schumacher after him to stay with him until he reports.

"Gordon Wright, handsome pillar of the Night Class Section, has recently completed a rolling mansion in the Fox Hill Section of Pittsburgh and states that the sanitation is good in that region. Gordon is in charge of the many warehouses of the Pittsburgh Plate Glass Company scattered all over the world and may do a lot of travelling. He can always be found in Louisville around Derby time."

1918

David Allen writes: "The only thing worth reporting is that I am now a grand-dad...." Dave is district manager for the Stephens-Adamson Mfg. Co., Birmingham, Ala.

Captain Charles L. Carter is located in Honshu, Japan, with the 192nd Ordnance Department. (Ed. Note: Thanks for the holiday card. We read every word of it(?).)

Harry Gellin is Chairman of the Stadium Committee of the Heights Backers Club at Cleveland Heights, O.

David J. Ross is president of the Progressive Industries Company, Benton Harbor, Mich. He has four children—two boys and two girls. He writes that he would like to hear from "some of the boys." His address is: P. O. Box 656, Benton, Harbor, Mich.

1919

Cecil H. Barrett. See page 8.

Weston Henry Gillett was ordained to the Sacred Priesthood on January 4, 1947, at the Church of Saint Mary of the Angels in Hollywood, Calif.

E. M. Gretzler. See page 8.

1920

Grant Stone. See page 6.

1921

William J. Reilly had a feature article, "How to Avoid Work," in the February issue of "The American Magazine." (Ed. Note: The Administration is afraid the students will get the article and put it to work.)

Titian L. Siedle is assistant to the sales manager, Tractor Division, Swan-Finch Oil Corporation, 201 North Wells Street, Chicago, Ill.



FRED C. ZIESENHEIM, E'15

has been appointed sales manager of the plastic and die casting machinery divisions of the Hydraulic Press Manufacturing Company at Mount Gilead, Ohio. He will direct sales and assist in the development of new machines for these two important divisions.

Fred's technical and practical experience combined with his understanding of production requirements will be of great assistance to his customers.

1922

REUNION YEAR

Addresses needed: Nathan E. Allen, John Berry Bean, Henry A. Beck, Benjamin Bendett, Harold R. Black, Elmer Cohen, Charles J. Copley, Jack E. Cunningham, Daniel B. Dean, George H. Frank, Severn M. Frey, James T. George, Philip Greenblatt, Charles N. Harwood, James Paul Hauck, Albert E. Hershey, H. Conrad Hoover, C. C. Kalten, William E. Lange, Frank J. Reed, Harold R. Richards, Hyman H. Rosenberg, Oscar Salkin, Frederick O. Stebbins, Richard Julian Strock, Francis R. Thompson.

M. L. Langworthy is Assistant Manager of the Technical and Research Division of the Texas Company. In addition, he plays the part of Mr. Monahan in Eddie Bracken's Texaco Show.

Henri M. Marc is Technical Director of Portable Products Corp. and Assistant General Manager of their Tagliabue Division in Brooklyn, N. Y.

Clifford L. Sayre wrote to Lou Seebach in connection with the 25th Reunion of the 1922 class of chemical engineers.

"I had some very interesting assignments during the War, finally ending up as Executive Officer of the Material Command in Washington... I have an only son who will graduate as an M. E. from Duke University come this next June..." Cliff is now with the Buffalo Electro-Chemical Company, Inc., at Buffalo, N. Y.

George W. Stahlman, Jr. See page 24.

1924

C. N. Hollingsworth was elected president of the Pittsburgh Equipment Distributors Association at the October meeting of the organization. Mr. Hollingsworth is assistant manager of the Dravo-Doyle Company.

James A. Robertson's outstanding career, as a member of Tech's football teams in the early twenties, was the subject of a feature article by Les Biederman in a recent issue of the *Pittsburgh Press*. Jimmie is General Agent for the Columbian National Life Insurance Company at Pittsburgh.

1926

P. R. Paulick writes: "I have made my home in Pikeville, Ky., since July of 1946 and am employed as General Manager of operations for the Hellier Coal & Coke Co."

1927

REUNION YEAR

Addresses needed: Warren C. Boop, Chalmers Bryson, G. L. Grundmann, G. R. Harris, William J. Kroeger, Victor A. Lang, Rolland R. LaPelle, Carlos Lara, J. W. Metro, Donald H. Milne, William H. Mise, R. E. Neibel, Edgar P. Patton, Lawrence B. Rial, Kornelius Roiland, Frederic R. Schneider, William H. Seibert, Joe Seto, Victor N. Underwood, George E. Vogt, John T. Waldron, Cecil E. West, Paul M. Williams.

1928

William L. Bell wrote recently: "Am back in the export field with Westrex Corporation, foreign outlet for Western Electric talking pictures and radio, with the title of Continental European Recording Manager. Expect to return to Paris with my family in the spring."

M. D. Reuben is now production manager of the Paper Drapery Corporation, Mohawk, N. Y.

1930

Harold M. Hughes is chief refrigeration engineer for Electric Products, Inc., largest York Corporation distributor in the East.

Richard D. Mayne has been appointed Plant Manager of the Hannibal, Missouri, Plant of Universal Atlas Cement Company.

1931

William W. Hay. See page 8.

Richard H. Herter is at Mellon Institute as a Fellow for Koppers Co., Inc. During the war he was at Kopper's synthetic rubber plant at Kobuta, Pa., in charge of the Benzene Plant laboratory. His family now consists of a three-year-old daughter, Claren, and a year-old son, Judson. The Herters live at 30 Ohio View Drive, Industry, Pa.

John J. Kelmar is an engineer for Swift & Company in connection with constructing food processing plants.

George F. Landgraf. See page 6.

Herman Silver is General Manager for Ritthouse Built Homes, Inc., Philadelphia, Pa. Jerome S. Wise. See page 24.

1932

REUNION YEAR

Addresses needed: Richard M. Barnhart, J. L. Carney, Jack P. Carson, Harold J. Cohen, Robert E. Dunham, John H. Ellis, Henry P. Evans, Jr., Edwin A. Geddes, David H. E. Genter, John E. Hardy, Paul J. Haughey, Julius Herald, Robert O. Holmes, Elmer E. Kirkpatrick, William E. Kramer, Hyman G. Landau, Howard H. McKim, Philip M. Mealo, George G. Richey, Alexander A. Rosenbaum, Clifford D. Welch, George Owen White, Paul F. Wile, Charles A. Wiley.

Dr. S. R. B. Cooke is Professor of Ore Dressing at the School of Mines of the University of Minnesota.

Charles B. Fisher is associated with Fisher Brothers Laundry and Cleaners in Helena, Ark. He served six years in the Army Air Forces, and received the Army Commendation Ribbon. He attained the rank of lieutenant colonel.

Colonel Jack E. Morris is out of the service and doing special work at the Benson Mines, New York, for the Jones & Laughlin Steel Company. His present address is P. O. Box 118, Star Lake, New York.

Albert J. Rosenberg. See page 7.

Paul C. Ziegler writes: "Have been transferred to Detroit, Mich., as Superintendent of Republic Steel Corporation's Steel and Tubes

Division Plant there. I'm married, with two kids—5½ and 1—who keep life interesting in a hotel while I'm hunting a house to live in."

1933

John H. Bodendorfer wrote recently: "Enlisted in the Navy in 1943, separated on January 3, 1946. I was married in 1941. My wife traveled with me. I am at Camas, Wash., on construction work for Crown Zellerbach Paper Mill and expect to be here 1½ or 2 years. I am with Daugherty Co., Inc., piping engineers..."

Col. William H. Council is chief of the jet test flight at Wright Field, Dayton, Ohio. At the National Air Show in Cleveland last November Col. Council received an award as project officer for the 820-mile jet race around five cities.

1934

Marion F. Davis. See page 8.

Ralph Moyer, who worked as a government engineer on the Panama Canal during the war, now owns a construction company in Colombia, S. A.

A. Stuart Murray is Assistant Chief Engineer at SKF Industries, Inc. in Philadelphia.

Carl W. Oettinger, discharged from the Navy in November, 1945, is employed in the Engineering Department of the Jones & Laughlin Steel Co. The Oettinger's daughter, Catherine Ann, arrived December 2, 1946.

Alfred L. Pope is Chemical Project Engineer with National Aniline in Buffalo.

David Shore is living at 1352 Lucile Avenue, Apt. No. 3, Los Angeles 26, Calif.

Forrest Williams is a structural designer for the Blaw Knox Company of Pittsburgh.

1935

First Lieutenant Paul S. Balas, Signal Corps, was recently nominated by President Truman for a commission in the Regular Army. He is employed as an engineer with Westinghouse Electric Corp.

Alan C. Byers is a Research Associate on electronic devices at the Moore School of Electrical Engineering, University of Pennsylvania.

Lt. Col. William F. Fennell, a veteran of two years overseas service, was recently decorated with the Bronze Star Medal for "meritorious service in the Communications Zone, European

ARTHUR L. BECK, E'22

general agent of the National Life Insurance Company at Buffalo, has been elected president of the Buffalo Life Insurance Trust and Banking Council.



Theater of Operations, from 4 July to 15 September 1945." As Adjutant General, Arles Staging Area, he organized and directed the processing of 70,000 troops.

Warren M. Wilson writes: "...At the close of the war, my intentions of becoming a Manufacturer's Agent crystallized, and...I opened an office and set up shop here in Cleveland. While I have only 15 months' operations behind me, results have been most gratifying.... With reference to my home life, I am still happily married and have two boys, Ernest M., aged 5 years, and Robert W., aged 3 years. We bought a home in Twinsburg, Ohio...." Wilson's business address is: Wilson Engineering & Sales Co., 407 The Arcade, Cleveland 14, Ohio.

1936

Jack E. McKee. See page 6.

Frank A. Morrison is employed at Elliott Co., Jeannette, Pa., manufacturers of power plant equipment, in the Heat Transfer and Accessory Engineering Department. He now has two sons—Butch (Frank, Jr.), aged 4, and Dickie, aged 2. The family recently built a new home at 550 Hampton Street, Greensburg.

Earl E. Unger is a staff geophysicist for the Honolulu Oil Corp. in Lubbock, Texas.

1937

REUNION YEAR

Addresses needed: Robert Sidney Aaron, William Francis Ackerman, Leonard Braunstein, Philip N. Bright, Robert W. Brose, Christopher C. Carafas, Edgar Frank Charlton, Edgar Whitney Clarke, William A. Cook, Michael Dufinecz, Simon M. Felsner, Regis F. Fey, Joseph D. Findley, Jr., William David Graham, Alvin L. Gursha, Lee Hammerschmidt, Charles F. Henkel, Andrew Hruska, H. K. King, Louis M. Kram, Norbert P. Krebs, William Edward Leety, Philip Marcus, William Ward Martin, William V. McGuire, William E. Melegan, Earle D. Moiles, Jr., William G. Moles, Phillip Moses, Leon Nagin, John Basile Papalas, Robert Dixon Platt, William Rauschal, Morris Sidney Roth, Robert Cummins Shutts, Ernest Charles Steiner, Lester D. Van Valkenburg, Raymond

WILLARD S. VAUGHAN, E'27

has been appointed local manager of the Bell Telephone Company of Pennsylvania with headquarters at 1080 Fifth Avenue, New Kensington, Pa.

Vaughan has been with the Bell Company since his graduation in Commercial Engineering and has held a number of positions in the commercial and engineering departments of the Company. He is married and has two children, Willard, Jr., and Nancy Ann.



Ward, Rodgers L. Way, Will Lowell Wheeler, Charles F. Zeigler, Julian Harold Ziff.

Major Glenn B. Daughton, U.S.A. Signal Corps, returned last October from China, where he had been the American Director of the Chinese Air Forces Signal School. He stopped at the Alumni Office in December when he was waiting reassignment to duty.

H. Brooks Ely is employed by Courier-Citizen Company to introduce standard costs in their printing business. His address is now 1116 Morse Avenue, Chicago 26, Ill.

Bernard J. Kelly is with the Research and Technology Department of the Carnegie-Illinois Steel Corp.

Edwin F. Mulligan is Vice President of The Jones Metal Products Company of West Lafayette, Ohio.

Robert B. Zinser, discharged from the Army in November, 1945, has been working for Dravo Corporation on the Bluestone Dam Project at Hinton, W. Va. The Zinsers have a small daughter almost two years old.

1938

Marshall G. Baldwin, out of the Navy and working for his former employer, the Colgate-Palmolive-Peet Company, is Buyer of Packaging Materials. The Baldwin family bought a new home at 219 Dorchester Road, River Edge, N. J.

Fred J. Bordt and Katherine Thomas Bordt, M'38, have announced the birth of Marian Jean on October 3, 1946.

Stanley Clark writes: "I graduated from Cornell (E. E.) in 1939 after leaving Carnegie in 1937. I...am now engaged as an engineer (development work) by General Electric, Electronics Department, Syracuse, N. Y. I was married in 1941 and have one daughter, a year old."

John V. Clippinger, Jr. has been employed by the York Corporation (air conditioning and refrigeration manufacturers) since graduation. He writes: "I married Louise Trostel of York in 1939, have one daughter, Isabel, aged six. I still play the French Horn for recreation with the York Symphony, Columbia (Pa.) Symphony, and the Spring Garden Band of York."

Peter E. Wasko is on a three-year foreign assignment in meteorology for Pan-American World Airways. He is in Lisbon, Portugal, with his wife and two daughters.

1939

Dr. William A. Anderson, employed at the aluminum research laboratories of the Aluminum Company of America in New Kensington, Pa., won the annual award of the Institute of Metals Division of the American Institute of Mining and Metallurgical Engineers. Dr. R. F. Mehl, director of the metals research laboratory at Tech, shares the award as co-author of the paper on "Recrystallization of Aluminum in Terms of the Rate of Nucleation and the Rate of Growth."

Joseph E. Barnes is attending the University of Chicago to get a Master's degree in Hospital Administration.

Robert L. Bennett has been added to the staff of Oliver Iron Mining Company's new research laboratory in West Duluth, Minn., as associate concentrating engineer.

Joseph C. Caloon, Jr. has been transferred to the Irwin Works of Carnegie-Illinois Steel Corporation and is living at No. 1 Nantucket Drive, R. D. No. 6, Pittsburgh 27, Pa.

1940

William E. Dugan, Jr., a project engineer in the Engineering Division of The Solvay Process Company is celebrating the arrival of a second Tech prospect—David Alan, born November 6.

Dr. W. A. Johnson, manager of the metallurgical section of Westinghouse Research Laboratories, has been given a year's leave of absence to organize and direct a metallurgical



AIKEN HEADS SKF DIVISION

William L. Aiken, E'34, has joined SKF Industries, Inc. as senior division engineer in charge of the automotive and marine department, it has been announced by the ball and roller bearing firm.

Aiken, also a graduate of the U. S. Naval Academy was executive engineer of the Auto-car Co., Ardmore, Pa. He has also served with Wright Aeronautical Corp. and Buick division of General Motors.

division at the atomic plant at Oak Ridge, Tenn.

James W. Kent is on a temporary leave of absence from the California Research Corp. (Standard Oil of California) to attend the Training School in Nuclear Chemistry and Physics at the Clinton Laboratories, Oak Ridge, Tenn.

Vincent M. Morrissey writes: "...I was discharged from the Navy on the 11th of October and spent my terminal leave on Denny Brook Farm—which I acquired four years ago—in South Valley, New York. All my time in the Navy was devoted to the Ship Salvage Branch, doing harbor clearance and demolition work throughout the European Theatre. I acted as Salvage Liaison Officer to the French Navy for eight months on the west coast of that country. Upon return, I handled a research program on the investigation of underwater demolition and shaped charges. The program necessitated diving and submarine work extensively, and delayed my discharge from the Navy for three months...."

Harry H. Podgurski is a Fellow at Mellon Institute in Pittsburgh. He and his wife and seven-month-old son live in Manor, Pa.—P. O. Box 157.

Robert L. Rankin is living at 937 N. E. 16th Street, Oklahoma City, Okla.

Robert H. Stark, a salesman for the Armstrong Cork Company, is living in Washington, D. C., with his wife and two children—a boy 3½ and a girl 1½.

1941

Wesley T. Dorsheimer is with C. F. Braun and Company in Alhambra, Calif. At present he is sharing an apartment at 1620 East California Street, Pasadena 5, with William L. Williams, E'40.

William H. H. Hower, II is out of the Navy and working at Douglas Aircraft in California as a Method Analyst. He says, "Anybody coming out this way can get me at the Santa Monica Plant. I'd like to see any and all."

Guy W. Murdock and Hugh Williams are both employed by the Pennsylvania Electric Company in Johnstown, Pa.

Robert M. Rood has been transferred from the Schenectady Works of the General Electric Company to the Pittsfield, Massachusetts, Works, where he is a welding engineer.

Harry Baker Stewart and Mrs. Stewart announce the birth of Richard Lee on the fourth birthday of his brother, David Butler, December 7, 1946. Harry is in the Plant Engineering Department of the Ford Motor Company at Dearborn, Mich.

1942

REUNION YEAR

Addresses needed: Vincent W. Alexander, Lee James Anderson, Michael J. Bosak, III, Robert A. Bub, Joseph Lewis Campbell, Alexander J. Cauthorn, Jr., Howard W. Cole, Jr., John P. Corley, Earl Joseph Denner, David P. Galasso, Jack Heller, Russell C. Hellier, Robert Speer Hull, Charles S. Koch, George Edward Martin, Douglas W. Mulcahy, Martin B. Neuworth, Raymond H. Odell, Jr., Charles J. Raiffeisen, Donald W. Rawlings, Robert W. Renner, Martin M. Reynolds, Samuel S. Rickley, Harry C. Schink, John Louis Scholderbek, Sidney W. Smith, Edward N. Spryer, Jr., Carl W. Stempin, Robert Louis Stockus, Anthony Talento, Vincent C. Tolino, Ben L. Wechsler, James C. Wise.

Thomas G. Arnold, Jr. writes: "Still working at Johns-Hopkins University and taking a little graduate work there. Roy C. Fox, E'40, who is working at Westinghouse Radio here often visits us to reminisce about 'Dear Old Tech.'"

Lt. Cmdr. Matthew R. Gromada is doing research work at the Wind Tunnel at the Naval Torpedo Station in Newport, R. I.

Alvin R. Haven is an instructor in mathematics at Carnegie.

David S. Hoffman wrote recently: "Am now with Mellon Institute...."

Daniel Lee Horigan writes: "For the last two years I've been working as the eastern field engineer of the Cone Drive Division of the Michigan Tool Co.... Altho still single, I have a nice three-room apartment all to myself. I do the housekeeping and cook an occasional meal. I didn't learn that at Tech, but I'll bet I can do as good a job as a lot of the 'Maggie Murphs.'" (Ed. Oh, yes!)

Roland P. Kelly is a sanitary engineer with the Chester Engineers of Pittsburgh.

Fred H. Kindl, Jr. is with General Electric Company in their General Engineering and Consulting Laboratories.

Frank W. LePage writes: "I am now working here in Oklahoma City at the Printing and Lithographing Business. My wife and I have been here about a year and like it fine."

Stanley Mallen wrote recently: "I've been a student at the Harvard Graduate School of Business Administration since June '46. My class graduates October '47. Among other Techites enrolled are Charles Koch, E'42; Joe Beck, E'40; Bill Floyd, '41; and Bill Heller, '44...."

Robert F. Schwerin and Louise Phillips Schwerin, M'45, have a son, Hugh Phillips, born December 27, 1946, in Sharon, Pa.

Maurice E. Shank is an instructor in metallurgy at M.I.T. while working for his doctorate in mechanical engineering and physical metallurgy.

Arthur E. Steele has been awarded the Legion of Merit for "exceptionally meritorious service." He displayed unusual technical ability in the research and development of the mobile oxygen generating plant.

George F. Tondorf writes: "I'm working for the Pacific-Alaska Division of Pan-American World Airways.... We're building a home in Atherton, near Palo Alto, about 25 miles south of San Francisco. Our daughter, Carol Lynne, is a year old now."

1942 Dec.

William C. Cochran is a research engineer at the Aluminum Research Laboratories in New Kensington, Pa.

Fred H. Dietrich writes from Seattle, Washington: "Am presently slipping a slide rule and doing some test work for Boeing Aircraft. Boeing and myself were visited recently by Jack Isenberg, '43 Dec., now with the A.A.F. Engineering Division at Wright Field. Sure would like to see more Tech people out Seattle way."

Walter W. Haller, Jr. is at Herbick & Held Printing Company in Pittsburgh as an estimator. He writes that John Tross, '42; J. M. D. Needham, '33; and E. L. Smith, '25 are also with that company.

Paul M. Lawman is employed by Westinghouse Electric Corporation in their Lamp Division at Bloomfield, N. J.

Don Scheline wrote recently: "...I returned from Europe in June and found employment at the Gulf Research Company in Harmarville. At present I am operating their catalytic cracking pilot plant." Scheline's address is: 5232 Westminster Place.

Philip J. Smith is with the Electronics Department of General Electric in Syracuse, New York. He and his wife and daughter Sherry, one year old, live at 113 East Conklin Avenue, Nedrow, N. Y.

1943 Dec.

Theodore J. Macosko has accepted a job with Alcoa in their Development Division in Cleveland.

John W. Struble, Jr. is back with Lukens in Coatesville, Pa.

William V. Wolfe and Shirley Ruth Swaney, M'46, were married January 4, 1947, and are living in Hamilton, Ohio.

1944 April

Richard S. Barker is employed by Hamilton Standard Propellers in East Hartford, Conn., as a stress analyst.

R. D. Brill is with the Firestone Tire and Rubber Company at Akron, Ohio.

William A. Chesney is a structural designer for Jackson & Moreland, Boston, Mass.

Milton D. Daniels is an engineer with the Curtiss-Wright Corp. in Caldwell, N. J.

Edmond Di Girolamo is a tire construction engineer for U. S. Rubber Company in Detroit, Mich.

Sidney W. Hagerling is with the East Pittsburgh Works of the Westinghouse Electric Corp.

James E. Hovis is an instructor in mathematics at C.I.T.

Charles A. Jones is a sales engineer for the Worthington Pump and Machine Company in Pittsburgh.

Harold A. List is a trainee at the Baldwin Locomotive Works in Ridley Park, Pa.

William S. McIntyre is an instructor at Carnegie Tech.

George J. McMahon is a chemical engineer for the General Chemical Company in Chicago.

Robert W. Merritt is an industrial engineer for the Procter & Gamble Company at Ivorydale, Ohio.

John C. Ornea is working as a chemical engineer for the Carbide & Carbon Chemicals Corp. at South Charleston, W. Va.

Robert E. Philleo is a research engineer for the Portland Cement Association in Chicago, Ill.

A. G. Posluszny is with the Westinghouse Electric Corp. in Buffalo, N. J.

William E. Purtell is an engineer for Hydraulic Pumps at Braddock, Pa.

Lawrence Rudick is working for the Monsanto Chemical Company in Springfield, Mass.

Raymond M. Schreyer is with Mesta Machine Company in Homestead, Pa.

Bernard L. Silverblatt is a stress analyst for Curtiss-Wright in Columbus, Ohio.

David C. Starr is working for E. G. Smith & Company of Emsworth, Pa.

Richard H. Stock is a trainee with Owens-Corning Fiberglas Corp. in Newark, Ohio.

Thomas J. Walker is an instructor in drawing and descriptive geometry at Carnegie.

1944 June

Sidney D. Millstone is at 1522 N. Van Ness Avenue, Hollywood, Calif.

Ralph H. Martin is a partner in the Savage Plastics Company—plastics fabrication, laminating, and custom molding—at Cumberland, Md.

1945

Arthur W. Nelson, Jr. writes: "Was married to Martha Ruth Ferrell in Hollywood, Fla. Released from Naval Service August 22, 1946, after three years as a Naval Aviator.... I plan to return to C.I.T. for the spring semester this year under the G.I. Bill."

James C. Shaw is working for the Humble Oil Company at Baytown, Texas.

John S. Sieger is taking graduate work at Columbia University, studying for his M.S. in chemical engineering.

1946

Nevzat M. Erkin is studying at the University of Illinois for a Master's degree in metallurgical engineering.

Walter A. Blissell is in the aerodynamics department of Chance Vought Aircraft Division of the United Aircraft Corporation.

Roy W. Purchase is chief engineer for the Passenger Car Division of the Pressed Steel Car Co., Inc., and was transferred to the Chicago Plant.

Carl E. Sunnegren was married on January 14 to Marian Updegraff, a graduate of Pennsylvania College for Women.

1946 Sept.

Joel Bigelman is a student at the University of Havana, Cuba.

Theodore J. Caridis has accepted a position with Williams & Co., Inc. in Pittsburgh.

John Carlson is an aerodynamicist at Wright Field, Dayton, Ohio.

Robert W. Dunn is in the Engineering Department of the Jones & Laughlin Steel Corp., Pittsburgh.

W. H. Erickson is an assistant professor in the Electrical Engineering Department of Cornell University.

Joseph P. Franz, Jr. is a teaching assistant at C.I.T.

Andrew H. Kuhl is a sales engineer for Tanner & Arnold, Pittsburgh.

John J. Mikos is a protective devices engineer for Westinghouse at East Pittsburgh.

Theodore Miller is with the Westinghouse Research Laboratories at East Pittsburgh.

William R. Moore is a chemist for the Buffalo Divisions, Westinghouse Electric Corp.

Alex Sherman is employed as a test engineer for General Electric in Erie, Pa.

Edith V. Succop is a research assistant at C.I.T.

Balvir G. Talwar is at the Western Regional Research Laboratory in Albany, Calif.

K. C. Thomas is studying at C.I.T. for his Doctor's degree.

Victor S. Wales has entered the graduate school at C.I.T.

Edward J. Wiernasz is a structural engineer for the Curtiss-Wright Aircraft Corp. at Columbus, Ohio.

Jerome C. Worbleski is working for the Monsanto Chemical Company in St. Louis, Mo., as a chemical engineer.

COLLEGE OF INDUSTRIES

1912

REUNION YEAR

Addresses needed: Howard J. Burgwin, M. G. Cossitt, P. C. Elsey, E. C. Haskin, Jr., S. B. Higginbottom, Roy D. Kennedy, R. T. Landman, D. W. Lyle, Warren Q. Marr, M. J. Monahan, W. H. Ritts, Albert A. Rossman, Harold E. Smith, Willard Walker.

1917

REUNION YEAR

Addresses needed: W. H. Black, Victor R. Brennan, Howard L. Briggs, James Hill Campbell, Joseph H. Chivers, Frank J. Colbert, Charles H. Dowman, George G. Ehrenfeld, Roy N. Gilpatrick, William H. Grounds, William J. Handelsman, Thomas Fraser Izatt, P. H. Jonietz, Leo John Kelly, O. D. Kingsbury, W. E. Murphy, H. C. Orris, Alexander M. Pringle, John L. Rogers, Adolph H. Schutz, Mercer M. Smith, Blair Speicher, Woods L. Wallace, George R. Watson, Gerald D. Whitney.

R. J. Wean. See page 4.

1922

REUNION YEAR

Addresses needed: Ernest R. Bolton, Alfred W. Grieb, George A. McKee, James W. Morrison, Paul O. Siren, Owen R. Treharne, Dean M. Wilhelm.

R. P. Bell is an Instructor in Mechanical Drawing in the Ridley Park (Pa.) High School.

1924

Howard E. Hamill is District Manager, Nitany District, West Penn Power Company. His address is P. O. Box No. 111, Bellefonte, Pa.

1925

Robert Bankier and his brother Carl, 1'26, were pioneers of the 41st Street business section of Miami Beach, Fla., being the first to purchase a lot and build in that block. Bankier Bros., an electrical contracting firm, was or-

ganized and officially chartered in 1935, moving to the 41st Street business section in 1938.

Lt. Col. Joseph G. Conley writes: "...I am stationed in New Orleans as War Department Liaison Officer for Surplus Property Activities in Mississippi, Louisiana, and Arkansas." Col. and Mrs. Conley live at 307 Royal Street North, New Orleans.

1926

Maxwell Scrimgeour. See page 7.

1927

REUNION YEAR

Addresses needed: C. William Barrett, J. Fred Burhenn, Joseph S. Chettle, A. F. Christie, William B. Ciarallo, J. H. Dowling, III, Leonard R. Esch, P. V. Farian, C. H. Fleming, Martin P. Forbes, Sidney Forbes, J. William Gulland, J. J. Harpur, Lawson E. Houck, Jr., Ralph B. Leasure, C. H. Lyda, Ferdinand Mazzotti, J. P. McLaughlin, Arthur B. Stoner, Benjamin Supovitz, Samuel Weil, Edson Wissinger.

Ed W. Fell and Walter Morawski, 1'31, are in business as the North American Composition Co., 35 North Tenth Street, Philadelphia, Pa.

1928

Colonel Charles L. Munroe, Jr. writes: "Enrolled in the first class of the Air University—Air War College at Maxwell Field, Alabama, part of the Air Force educational system. My family includes Mrs. Munroe—Miriam Allen, University of Illinois, 1931, and daughter, Lynn Duncan, aged 8. Col. M. D. Burnside, 1'28, is in Japan."

1932

REUNION YEAR

Addresses needed: Herbert C. F. Anderson, Harrison J. Bissell, John B. Brick, John E. Bryan, John P. Busch, Jr., Regis F. Casteel, John F. Cummins, Jr., Carl Ford, Clifford H. Galbraith, Lawrence L. Garber, Gordon E. Heyes, Carl J. Hixon, Edward L. Hughes, George C. Kavel, Henry E. Keil, Jr., Matthew Kelly, William X. Kerber, Alfred M. Kirchner, Edward G. Macecevic, Nathaniel Marchetti, Gerald G. McGeorge, Lawrence F. McGuire, Edgar D. Mills, James Murdoch, Kenneth R. Murhard, Joseph P. O'Neil, Reuben Palley, John H. Reiter, Edward H. Seifert, Charles L. Shaffer, John C. Theobald, John C. Thomson, Louis J. Wittko.

Donald Fletcher coached the New Kensington (Pa.) High School football team to the AA Championship of Western Pennsylvania this past season. One of his star players was named to the first team of the All-American High School team in the *Chicago American*, the only Pennsylvanian so honored.

1933

Herbert A. Dodd is an estimator for the United Engineering and Foundry Company. He and his family, Susan, 10, and H. A., Jr., 6, live at 55 Hamilton Avenue, R. D. 2, Glenshaw, Pa.

J. Paul Whitehead. See page 7.

1934

Harry P. McCurdy has resigned his position as head football coach at the Monongahela (Pa.) High School. However, he is continuing to teach Industrial Arts on the faculty.

Unusual opportunity for

ELECTRONICS ENGINEERS PHYSICISTS • MATHEMATICIANS AERONAUTICAL ENGINEERS!

If you feel that your present connection does not offer maximum opportunity for expansion, here's your chance to go places in aviation, a field with a future! The Glenn L. Martin Co., has available a number of excellent positions . . . paying \$300 to \$600, depending on experience . . . for men with advanced college training and development experience. Interesting research work on Guided Missiles, Pilotless Aircraft, Fire Control Systems and Electronics Equipment. Unusually complete engineering and laboratory equipment . . . millions of dollars in contracts for

research and development in the electronics, missile and propulsion fields.

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OTHER WELL-PAID OPENINGS

Engineers also needed as Draftsmen, Designers, Stress Analysts and Aerodynamicists. These are not just jobs, but well-paid careers with big futures.

WRITE IMMEDIATELY TO:

TECHNICAL EMPLOYMENT SECTION
THE GLENN L. MARTIN COMPANY
BALTIMORE 3, MD.

Howard McNaughton has formed the H. McNaughton Company—electric heating equipment—of Kalamazoo, Mich. The company is located at 201 Parsons Street.

CARNEGIE LIBRARY SCHOOL

1903

Friends of Annabelle Porter will be sorry to learn of her death in December.

1904

More than 250 fellow librarians of the District of Columbia honored Miss Clara W. Herbert at a dinner in the Congressional Room of the Statler Hotel on December 12, 1946. Dr. Luther H. Evans, Librarian of Congress, who acted as toastmaster, paid tribute to Miss Herbert on "her outstanding career, which has brought credit and praise to our profession."

The new edition of Elva S. Smith's book *Mystery Tales for Boys and Girls* was published early last fall.

1913

Edith Endicott has been cataloging books in the Sweet Briar, Virginia, College library since 1931.

1914

Virginia McMaster has retired from the Pittsburgh Public Schools and is living at 302 South Broadway, Geneva, Ohio.

1917

Marie L. Fisher's new address is 6333 Walnut Street, Pittsburgh 6.

1918

Mrs. Karl L. Lubrecht (Hazel G. Ritts) was appointed Children's Librarian in the Hazleton, Pa., Public Library in November, 1946.

Classmates and friends of Katherine Stites will be grieved to hear of her death in Chicago on Wednesday, January 8.

1919

Mrs. Ruth Carmichael Sells is Chief Librarian for the Veterans Administration Center in Mountain Home, Tenn.

1923

Gwendolyn Webster writes from Muskegon, Mich.: "Same job since 1929. During Christmas vacation I worked in the medical records department of a local hospital. Now there's a real job!"

1924

The present address of Frances Louise Grove is Order Department, Mid Pac Library Depot Hqs., A.P.O. 957, c/o Postmaster, San Francisco, Calif.

1925

Mary Armstrong Ayres recently moved to 823 Lake Street, Oak Park, Ill.

Rena Carlson visited the school Monday, January 20.

1926

When we last heard, Mrs. Frank E. Vorhees (Sarah Whelan) was in Seattle, Wash., at 2106-30th Avenue South, Seattle 44, awaiting passage to Korea, where her husband is now stationed.

1927

Mrs. Fred B. Latham (Alice Murtha) is now home at 102 Camellia Street, Lake Jackson, Tex.

1929

A reunion of the class of 1929 was held at a dessert party given by Rosemary Hanlon on January 18 at 1:30. Members of the class who were present were Betty Key Baldwin, Mary Jane Beggy, Virginia Chase, Rosemary Connelly, Ann Wallgren, Mardy Jones Ruthart, Jean McBurney Davis, Mary Fornwalt, Sister Melania, Ruth Crawford Jones, and Roberta Shand. In a letter regretting her inability to attend the reunion, Suzanne Starr wrote: "For the last two years I've been in charge of City and County Bookwagon Service. I'm enjoying this more than anything I have done. We have two trucks, the larger one carrying nearly three thousand books... During the month we make about seventy-five different stops... Some days we circulate eleven hundred books, but the average is seven or eight hundred." Miss Starr is Head of the Circulation Department in the public library in Dayton, Ohio.

Joan Docker Willoughby is now living at 48 Methuen Road, Bournemouth, England.

1930

Margaret A. Ambrose was appointed Children's Librarian in the Lorain Public Library, Lorain, Ohio, September, 1946.

Pauline Paxton is now working in the book department of the Liberty House Department Store in Honolulu, Hawaii.

Cocina Ruch became an assistant in the Reference Department, Carnegie Library of Pittsburgh, December 2, 1946.

1931

The present address of Marion E. Brown is Island Librarian, Marine Barracks, Guam, M.I., c/o F.P.O., San Francisco, Calif.

Ruth C. Grimm resigned her teaching position in the Linesville, Pennsylvania, school in June, 1946, as she and her husband are moving to Oil City, Pa.

1932

Clara E. Follette, assistant to the Director in the State Historical Society Libraries since November, 1944, has been elected president of the Vermont Library Association.

Sara Belle Irwin is Head of the Circulation Department, Drake University Library, Des Moines, Iowa.

Gladys Trask's present address is 3029 South Hooner Street, Los Angeles 7, Calif. Miss Trask is studying photography at the University of Southern California.

1933

Mrs. William Follansbee (Viviane Metour) is working in the Art and Music Department of the Los Angeles Public Library. Her address is: 454 South Catalina Street, Los Angeles 5.

1935

Margaret Bald is Chief of the Records Section in the Armed Forces Staff College, Hampton Boulevard, Norfolk 11, Va.

1936

Mr. and Mrs. Wilbur Annable (Dorothy Adams) had a baby boy, John Clifford, on November 27. Their address is 2759 Lauro Canyon Road, Santa Barbara Calif.

Carroll C. Moreland, Librarian of the Biddle Law Library and Assistant Professor of Law, University of Pennsylvania, visited the Library School Wednesday, January 22.

Alice Ruf, Instructor in the School of Library Science, Drexel Institute of Technology, is living at 247 South 44th Street, Philadelphia 4.

1937

Clara Cleaveland was recently appointed librarian at Penn Hall in Chambersburg, Pa.

Winifred Moffett Crossley is doing adult library work in the Ann Arbor Public Library. Her address is 1916 Cambridge Road, Ann Arbor, Mich.

Dorothy Hairgrove has accepted the position of Head of the Children's Department in the Tacoma Public Library, Tacoma, Wash.

Kathleen Harvey is teaching the course in children's books in the New Zealand Library School, opened a year ago in Wellington, New Zealand. Miss Kelly received a copy of the New Zealand "Listeners' Journal" of the national broadcasting service which carried an article, "School for Librarians," describing this new national service. Pictures of the new library school and of Miss Harvey surrounded by a group of her students illustrated the article.

TWO ROBERTSON ENGINEERS PROMOTED

Abraham A. Brown, I'25, and Max B. Feldman, E'26, have been promoted by the H. H. Robertson Company, according to a recent announcement. Brown, who received his B. S. degree in Building Construction, has been appointed Chief Project Engineer with offices in the Farmer's Bank Building, Pittsburgh, Pa.

He came with the Robertson Company in 1928 from the Lukens Steel Company.

Feldman has been appointed Chief Engineer with headquarters at the plant in Ambridge, Pa. He has been with the Company since his graduation in 1926 with the degree of B. S. in Civil Engineering.



MAX B. FELDMAN



ABRAHAM A. BROWN

A baby girl, Anne Chandler, was born to Mr. and Mrs. Chandler Shaw (Lucille Byrd) on October 21, 1946.

1938

Edith F. Glocker has accepted a position in the Reference Library at Wright Field, Dayton, Ohio. Her address is 1549 Grand Avenue, Dayton 7.

Mr. and Mrs. Lester Carl Hill (Edith Anthony) had a baby girl, Mary Ellen, on July 16.

Mr. and Mrs. Fenton Jordan (Rosemary Grime) are living at North Shore B-5, 7100 Hampton Boulevard, Norfolk 8, Va.

Mr. and Mrs. Clarence M. Lawyer (Katherine Frei) are living at 2030 West Philadelphia Street, York, Pa.

1940

Mary Elizabeth Ledlie was appointed Director of Work with Children in the Des Moines Public Library, October 25, 1946.

Edith Leonard went to work as assistant librarian in the Deshon Hospital in Butler, Pa., in October.

Cora Jean Hague Shupe resigned her position in the library of the Federal Reserve System in Washington last August.

Helen Canfield is living at 609 West 115th Street, Apartment 6-A, New York City. She is studying at Columbia University, School of Library Service, for a master's degree.

Sonia Gruen resumed work in the New York Public Library in November, 1946.

Betty New Margulis' home address is 235 East 22nd Street, New York 10, N. Y.

Wilma Mosholder is living at 1320 18th Street, N. W., Washington 6, D. C. She expects to leave soon for library service in Guatemala.

1941

Alice Cowles is Children's Librarian in the Cleveland Heights Public Library, Cleveland, Ohio.

A baby girl (Jennifer Kathleen) was born to Mr. and Mrs. James J. Murry (Marguerite Myers) on December 26, 1946, in Washington.

1942

Mr. and Mrs. J. M. Digman (Mary Elizabeth Humphreys) are living at Wynnburne Drive, Cincinnati 5, Ohio.

Thelma Pearce has left the library of Hawaii and is doing school library work at a grade school on a sugar plantation about 15 miles out of Honolulu. Her address is 2115 Damon Street, Honolulu 24, Oahu, Hawaii.

1943

Clara Adams visited the school Friday, November 29. Miss Adams is Children's Librarian in the Manhasset Public Library, Manhasset, N. Y.

1944

Ruth Harry is now employed in the Circulation Department of the Washington University Library in St. Louis, Mo.

On Saturday, December 14, in the First Methodist Church of Pittsburgh, Charlotte Anne Steffy became the bride of Thomas Crump Collins.

Mrs. Irving Perlmutter (Ruth Weinbaum) was appointed Librarian of the RCA Victor Division Library in Camden, N. J., last September.

1945

Mr. and Mrs. Lloyd Whipple (Hazel Felton) are moving to 1633 North Phillips Road, R. D. No. 3, Mason, Mich., on April 1.

Isabel Wilmer. See page 22.

1946

Miss Sarah Shaw, Librarian of Lawrenceville Branch, Carnegie Library of Pittsburgh, recently received a letter from Virginia Hollowell. Miss Hollowell did her practical work at Lawrenceville Branch a year ago. The following excerpts will be of interest:

"Here I am about 70 miles from Manila in a place that looks like a barn but is really my headquarters library. I have at this point ten such with about 900 books each; only three are cataloged. I spend my time trying to keep them open and operating correctly. We have three types of librarians; the G.I., paid Filipinos, and Jap prisoners of war. I was in Manila for about eight weeks before I came here, spending most every day going around with one of the older librarians from one camp library to another in a jeep. The roads are the bumpiest, dustiest ones I have ever been on, but it certainly was fun..."

Juliet L. Weitzel has been appointed Children's Librarian at the Anacostia Public Library in Washington. Her address is 2303-39th Street, N. W., Washington, D. C.

MARGARET MORRISON CARNEGIE COLLEGE

1910

Lillian Hunter White. See page 24.

1912

REUNION YEAR

Addresses needed: Mildred McCullagh Cummings (Mrs. R. W.), Marie H. Felker, Clara Jayme Hay (Mrs. P. R.), Mrs. B. J. McCaulley, Sara Kerr Sarver (Mrs. James V.), Nellie Gabler Wells (Mrs. Albert O.).

1915

The sympathy of the class is extended to M. Edythe Dougherty on the death of her father last November.

1917

REUNION YEAR

Addresses needed: Mrs. Ruth Wood Adkins, Ethel Fey Hardie (Mrs. Walter A.), Ruth Patterson Largey (Mrs. H. D.), Elizabeth Dearing Wharton (Mrs. R. L.).

1922

REUNION YEAR

Addresses needed: Helen Hester King (Mrs. E.), Virginia Barr Manning (Mrs. M. S.).

1923

Helen Roberts Macrum was married on December 28, 1946, to Herbert K. Sibley in Hadonfield, N. J.

1924

Doris Myers, who is Advisor for Province II, College Clubs (seven eastern states), attended the province meeting at the College of Saint Elizabeth last November. She took part in the program on careers and her subject was "Fashion for a Living."

Josephine A. Soissons-Volz (Mrs. Charles) writes: "Major Volz and I were married July 6 in the Chapel of the New St. Joseph's Cathedral and after a glorious 5,000-mile motor trip we have settled down in our renovated and re-decorated home at 40 Wingate Avenue, Buffalo 16, N. Y.... Since the girls now have my address I would like to hear from them."

1926

Florence Cohn Huber (Mrs. H. H.) wrote recently: "This is a letter which I now realize should have been written and sent some nineteen years ago.... I submit the following facts to bring this portion of your records up to date. I was married to Dr. Herman H. Huber (physician and surgeon) of Milwaukee, Wis., in 1928. We have two daughters—Alice Jane, a senior in Shorewood High School, and Betsy Lee, an eighth grader in Shorewood Junior High. Our present address is: 2023 East Olive Street, Milwaukee 11, Wis."

Mary Hill Marshall (Mrs. W. B.) is living at 310 East Main Street, Caldwell, Ohio.

1927

REUNION YEAR

Addresses needed: Genevieve Connors Buckley (Mrs. John E.), Jean Daub Dodworth (Mrs. Paul), Edith Boggs Howell (Mrs. S. F.), Elizabeth Hodge Lacock (Mrs. W. A.), Lillian Landau, Mary K. Livingston, Vivian Rentz Metzger (Mrs. Clarence), Hester Ream McKee (Mrs. Kenneth), Janice F. Miller, Tessie Morrison, Mary O'Brien, Alice Ribblett Pitchford (Mrs. Victor L.), Edith R. Rex, Genia Sidransky, Eleanor Hill Waring (Mrs. W. W.), Mary Sneider York (Mrs. Darwin S.).

Evelyn Reese Gage (Mrs. Robert) is a librarian in the East Cleveland Public Library. Evelyn also writes a column for the "Cleveland News."

Elizabeth Luft was married November 16, 1946, to Forrest Streator Shinn. Betty is Fashion Editor for the "Cleveland Press."

1928

Jean Mather Bush (Mrs. J. Harrison) writes: "We moved here (Rochester, N. Y.) from Ohio. Husband 'Joe' is Sales Manager for the Smith-Gormly Co. We have one daughter, Nancy, aged 12." Jean's new address is: 40 Thistle-down Drive, Rochester 12, N. Y.

1931

Elsa Weber Goldman (Mrs. Nathan) is living at 1311 Hyde Park Boulevard, Chicago 15, Ill.

1932

REUNION YEAR

Addresses needed: Elsa Steinbart Albracht (Mrs. Carl E.), Marion E. Black, Mary Fonner Blackwelder (Mrs. John J.), Katherine Simon Cooper (Mrs. Henry), Marjorie Patterson Dell (Mrs. Thomas H.), Catherine M. Ferrick, Florence Golomb Fralin (Mrs. M. N.), Evelyn Robinson Gass (Mrs. Delbert), Graybill Gavan (Mrs. F. M.), Elsie Guggenheim, Alberta Norton Lennox (Mrs. Andrew), Helen E. Ley, Mary Shannon McKee (Mrs. Walter S.), Sara E. Mitchell, Frances Reid Tilton (Mrs. Joseph), Ruth I. Walsh, Rachel P. Whelan, Ruth N. Wooster.

Nancy E. Donaldson was married on July 21, 1946, to Roy A. Neidigh. They are living at 108 South Wayside No. 7, Houston 11, Texas.

Frances Schneider Flaherty (Mrs. William F.) is the mother of a baby girl born in November, 1946.

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1933

Helen Cahill Cooke (Mrs. S. R. B.) writes: "Dr. Cooke, myself, and our six-year-old son, Bruce, came to Minneapolis in September after seven years in Montana where Dr. Cooke was head of the Ore Dressing Department at the Montana School of Mines in Butte...Dr. Cooke is now Professor of Ore Dressing at the School of Mines of the University of Minnesota. Our new home address is: 4408 Zenith Avenue, North Robbinsdale, Minnesota."

Dorothy Newell Jenness (Mrs. E. N.) has been appointed Children's Librarian of the Shaker Heights, Ohio, Library.

Elizabeth Davies McCarter (Mrs. Robert W.) is living in Fullerton, Calif., where she plays the organ at the local Presbyterian Church. Mr. McCarter directs the choir.

Helen FitzGerald Mundell (Mrs. Charles W.) is living at 346 East Huisache Avenue, San Antonio.

Catharine McLaughlin Simpson (Mrs. W. C.) is living at 1248 Oak Street, Coatesville, Pa., with her husband and two children, Robert William, 2½, and Kathleen Jane, 9 months.

1934

Leah Voegtly Tredrea (Mrs. J. E.) and her family are living on a farm in Caledonia, Wis. They have two sons—Larry, 5, and David, 3.

1935

Frances E. Alter is Assistant to the Superintendent of Industrial Relations for Carnegie-Illinois Steel Corporation at Youngstown, Ohio.

Sarah Murray Brown (Mrs. William E.) and husband have bought a farm on Route 40, West Brownsville, Pa.

Elizabeth Lowrey McCloskey (Mrs. C. C., Jr.) and her family, a son, Charles, 4, and Ann, 2½, are living at 199 Shadyside Avenue, Lakewood, N. Y.

1936

Elizabeth Stuart Atwell (Mrs. Robert L.), her husband, a Presbyterian minister, and three lively children—Margaret, 4½, James, 3, and John, 2, at 332 Grant Street, Middletown, Pa.

Florence Mallisee Campbell (Mrs. F. W. D.), her husband, and son, Charles—aged 16 months—are living at 605 Woburn Avenue, Toronto, Ontario, Canada.

1937

REUNION YEAR

Addresses needed: Esther Sufyan Abrams (Mrs. Sol), Sara E. Bray, Yetta B. Coltin, Dorothy Davidson, Carolyn E. Gilbert, Vinnie Baker Harmon (Mrs. Vincil), Sylvia Kaplan, Margaret M. Kolander, Dorothy Taylor Lord (Mrs. William T.), Lois Horner Marker (Mrs. Harry J.), Lucille Minder, Thelma Brown Neuworth (Mrs. Martin B.), Elizabeth E. Ross, Thelma Sapir, Dorothy Maharam Stone (Mrs. A. H.), Margery Z. Taylor, Elsie Spector Weisman (Mrs. Leonard M.), Betty Schoenberg Wettach (Mrs. Richard D.).

1938

Katherine Thomas Bordt and Fred J. Bordt, E'38, have announced the birth of a daughter, Marian Jean, on October 3, 1946.

Helen Frederick Gibson (Mrs. Glenn V.), her husband and two children, Wade, 3, and Carol, 1, are living at 9930 Brookmoor Drive, Silver Spring, Md.

Rita Fitzpatrick Gumbert (Mrs. Ronald D.) has a son, Ronald, Jr., born October 18, 1946.

Mary Daub Kenan (Mrs. Robert C.) writes that they have moved into their 'brand new' home at Richmond Circle, R. D. 4, Pittsburgh 9, Pa.



ISABEL WILMER, L'45

is back in the Philippines as an Army Librarian. In a letter to Miss Kelly she writes: "I can't tell you how happy I am to be back in the Philippines and to be near my family again after eight years...We—five other new librarians and I—arrived in Manila November 10. ...We are having school, and are learning all about the ways of Army libraries.

"I'm glad to report that the Army does have children's corners and collections."

Isabel's address is Hq. AFWESPAC, A&R Division, A.P.O. 707, c/o Postmaster, San Francisco, Calif.

Betty Leach was married last April to Ernest S. White and is living in Beverly Hills, Calif.

Margaret McClain Peake (Mrs. Ervin C.) is living at 305 Colfax Avenue, Pompton Lakes, N. J. The Peakes have a new daughter, Margaret Jean.

Jean Bickel Roncone (Mrs. Edward A.) writes: "We are settled in Sewickley, Pa., after almost six years of Army life...Our son, David, is four years old."

1939

Hortense Berger Broadley (Mrs. Tom) has announced the birth of a son, James Hal, on December 23, 1946. The family has moved into their home at 1922 Altmar Street, Pittsburgh.

Mary Wallace Noble and her husband, are living in Buffalo, N. Y. The Nobles have two children, David Wallace, aged 3½, and Richard Coleman, aged six months.

Katherine Wilson Underwood (Mrs. C. J., Jr.) writes: "My husband, Jim (Pitt '39) and our three sons, Jay, aged 5, Allan, aged 2½, and Billy, aged 6 months, are living in Covina, Calif., at 471 West Center Street."

1940

Jane Purse Pirnie (Mrs. Malcolm, Jr.), her husband and 16-month-old son are living at Apartment 8-Y, Chateau Lafayette, Scarsdale, N. Y.

Florence M. Stevens wrote recently: "Again your bloodhound tracked me down!...On the 10th of November I roped myself a Texan by name of Thomas Franklin Moore. He is a 2nd Lieutenant in the Army Air Corps, so I guess I am now an Army wife...However, correspondence sent to my Mother's address—2363 Mill Street, Aliquippa, Pa.—should have a pretty good chance of finding us..."

Virginia A. Wolff has been awarded a store-service scholarship at the New York University School of Retailing. She will work in the Lord & Taylor store in New York.

1941

The Margaret Morrison Class of 1941 Reunion dinner was held on Friday, November 1, in the Royal York Dining Room. Following are notes taken at the Reunion Dinner which the class thought would be of interest to those who could not attend:

Betty Mechling Maize is living in Kittanning with her husband, Fred, and their six-month-old baby.

Penny Taylor Adkins is living in the country, near Pittsburgh, where Hap works for Westinghouse. They are now three—a little girl.

Betty Kamman Currin, due to the housing shortage, is living at her parent's home with her husband and little girl. Her husband has been in and out of the hospital ever since his service in the Marines.

Janet Levy Maracci is enjoying life in the country with her husband and two little girls.

Louise McCoulough Laub is living outside of Binghamton, N. Y. She and her family are enough in the country to have a crank telephone. They have two little girls.

Dolores Halnan Wohlfarth and Duke are living in Pittsburgh with their two children, a boy and a girl.

Edythe Farban Nagin has a little girl eight months old. She and her family are living in Pittsburgh.

Lillian Hawkins is teaching school in Pittsburgh.

Arleen Smith Howarth and Bob have a boy, 14 months old. They are living in Clairton, Pa.

Pat Spooner Hass and Marty are living in Pittsburgh.

Edna James Hull and Bob are back in Pittsburgh now that Bob has finished four years of Army life.

Mary Margaret Groat is living in Swissvale and teaching there.

Elizabeth Carroll is teaching future Home Ec'ers in Pittsburgh.

Martha Jeffries Atwell, Wayne, and their little girl are living at her parent's home—housing shortage again. Wayne is working in Elwood City.

Grace Garver Rader is living in Wellsville, Ohio, with her husband and twenty-one month old girl.

Jean Ink Gruber's husband is studying dentistry at Pitt. They have a little girl four months old.

Mildred Cook Luckhardt has a girl, 4, and a boy, 1½.

Virginia Walsh Nichols is at home with her husband after much traveling with the Army.

Helen Gillis Robinson is living in Trafford, Pa., with her husband and little boy of thirteen months. Helen did a good job to make the Class of '41 dinner a success.

Jeanne Fox Ross is living in Pittsburgh. Tedo is going to Tech—class of 1947. They have a little boy, 2.

Mary Ella Graham recently returned from the WAVES and is working in Pittsburgh.

Mary Louise Keenan is back, working in Pittsburgh.

Sally Williams Smith is living outside of Pittsburgh in her new house with Bill, recently returned from the Navy, and her two little demons—twins Pam and Bill.

ABSENTEES

Jane Ritenbaugh Searle has been living in Ocean City since February. Her husband is teaching there. Stevie is a pretty big boy now.

June Cooper Bateman is living in Tulsa, Okla., with her husband and two children, a boy and a girl.

Harriette Luckhardt Blackburn is living at home and teaching accounting at Tech.

Mavis Sacks Friedman has a new baby girl.

Helen Crumpton Cross and Shorty are living at her home until they can get their house built. They have a little girl, Doris, born last summer.

Ruth Crawford Culvers, Jack and little Joe are living in Mount Lebanon.

Jane Brook Farnsworth and Drew have two little girls—Nancy and Suzanne.

Phyllis Hutcheson has taken up flying and is working at Carnegie-Illinois.

Jaquie Lyon Schuck-Kolben married Gerry, a boy from Czechoslovakia.

Betty Knobloch Meyer and "E. G." are living in Albuquerque, New Mexico, with their son, Lee, 3.

Katherine Freese Murray (Mrs. Jack C.) has announced the birth of a son, Jack Gordon, on August 15, 1946.

Lydia Malley O'Donnell (Mrs. John B.) is living in Pittsburgh with her husband and three children—Barbara, 3½, Mark, 1½, Christy, 6 months.

Nancy J. Richardson is secretary to the Superintendent of the Ohio Congregational Churches. Her address is: 1510 Ninth Street, Lorain, Ohio.

Virginia Wade is Educational Director at the Central Dispensary and Emergency Hospital in Washington, D. C. She sends us the news that Rosaline Pittenger married Jack Burns, Duquesne, last May after his return from the Pacific and is living in Philadelphia.

1942

REUNION YEAR

Addresses needed: Eleanor R. Catalano, Norma R. Farber, Margaret Goodman, Vera Case Hurwitz (Mrs. Arthur), Florence Davis Lanard (Mrs. Francis), Rose Hum Lee, Betty Jane Leister, Elizabeth Lohr Moore (Mrs. Donald A.), Ruth I. Schuller, Lucille M. Schuster, Barbara Kramer Shore (Mrs. Jack), Margaret Johnston Stout (Mrs. Daniel W.), Louise M. Terheyden, Doris Otto Wegner.

Lucille Rosenfeld Guttman (Mrs. Harry H.) writes: "I just feel compelled to write after such an extended silence. It's been three years since graduation and I am really most anxious to learn what's become of some of the people I enjoyed knowing—and for only too short a time—at Tech. Just to keep you up to date on my whereabouts, here's the latest... I am now Mrs. Harry H. Guttman, and Har's pedigree, for the benefit of all so interested, consists of Phi Beta graduation from City College, M. A. from Columbia University, and attendance at Columbia Law School... I feel much better now that I've established a communica-

tion line with Pittsburgh, and would really love to see any of you who make your way to New York now and then." Lucille's address is: 2614 Davidson Avenue, New York 63, N. Y.

Mary Elizabeth McGhee and Charles de Quillfeldt Wehrum were married in Pittsburgh January 25, 1947.

Dorothy V. O'Brien was married in January to Elmer A. Lundberg, Jr., A'32. The bride's sister, Susan O'Brien Frey (Mrs. George W.), M'42 Dec. was matron of honor.

1942 Dec.

Marion Morris Callender was married last December to Eugene Elwin Goodwin, Jr. of San Antonio, Texas.

Eugenia Essen was married December 17, 1946, to Ensign John J. Herzog, USN, a graduate of Annapolis. They are living at Bainbridge, Md.

Mary Louise Gregory resigned her position as therapeutic dietitian of Allegheny General Hospital (Pgh.) and was married February 23, 1946, to Hugh Wesley Black, Chemical Engineer (Case, '42). The Blacks are living at 1039 East 140th Street, Cleveland 10, Ohio.

1943

Mary Jones Herre and Howard Herre, E'42, announced the birth of Anne Louise on February 20.

Doris Musser and Eldon S. Stahly of Danvers, Ill., were married in Somerset, Pa., December 7, 1946.

Jane Bair Shute (Mrs. S. H.) has a part-time job as secretary in the Radio Department at the University of Colorado where her husband is continuing his studies.

1944 April

Katherine Kinley and Donald Melaney were married September 14, 1946, in Warren, Ohio, and are living in Philadelphia where Don is attending the University of Pennsylvania.

Mildred Livingston and John L. Mangan, E'42, were married last June and are living in Pittsfield, Mass.

Louisa Saul is in charge of a Montefiore Hospital food clinic which helps invalids not ill enough for hospitalization to recover at home through eating the proper food.

Marian Krogh Stear (Mrs. Luther) has a daughter, Donna Lynne, born July 29, 1946. The Stears are living in Minnesota where Luther is attending the University of Minnesota.

1944 Aug.

Marjorie L. Ham was married September 7, 1946, to Robert C. Koepke. They are now living in Bowling Green, Ohio.

Tassie Truxell MacDonald (Mrs. Kenneth D.) announced the birth of a son, Kenneth Donald, Jr., on November 22, 1946.

Rebecca Townsend was married February 1, 1947, to Henry Alexander Riddle, Jr. Mr. Riddle is an alumnus of Washington & Jefferson College.

1945

Rea Simon Elias (Mrs. Albert) announced the birth of a son, Albert Louis, on November 9, 1946.

Louise Phillips Schwerin and Robert F. Schwerin, E'42, are the parents of a baby boy, Hugh Phillips, born December 27, 1946.

1946

Madelene F. Cook was married December 28, 1946, to Thomas B. Watson. She is at present a student at the Palmer School of Chiropractics in Davenport, Iowa.

Jo Anne Clark is "Nancy Prentiss" for the Wear-Ever Aluminum Company, writing articles for their magazine.

Anne Margaret Benko was married the last of January to Calvin Elbert Benson of Buffalo, N. Y. In the wedding party were Madelin Bechtle and Jean Bohn Weirich.

Nancy Carroll Henson was married in Pittsburgh November 30, 1946, to Mario de la Torre of Mexico City, Mexico. Jane Hussey, M'46, was in the wedding party.

Dorothy McBurney is a chemist with the Dupont Company in East Chicago, Ind.

Shirley Ruth Swaney was married January 4, 1947, to William V. Wolfe, E'43 Dec.

Anna Jane Zimmerman is a research chemist with the Duff Baking Mix Division of the American Home Foods, Inc.

CARNEGIE DESIGNS A CAR

(Continued from page 3)

widely publicized, Professor Felver emphasized that the educational value of a problem is not in what the student does to the problem, but in what the problem does to the student.

Planned to sell in the middle price class (Oldsmobile, Dodge), the model embodies many improvements in automobile design such as the following: wide windshield curved to permit a view from the front seat through an angle of 110° (compared to 90° in one of the latest models now on the market); dash panel recessed on the right side to permit more leg room for two front seat passengers to the driver's right; dash panel compart-

ment large enough to accommodate an overnight bag; panel instruments confined to area directly in front of driver; back of front seat divided into three sections, all of which could be hinged to fold down; window handles recessed in concave panels; accessible by flipping part of handle down and out of panel; interior door-opening latch concealed inside forward part of shallow U-shaped door handles; back seat arm rests adjustable to retreat into side walls of car to allow easy accessibility to rear seat without necessity of folding down backs of front seats; outside door handles of refrigerator-door type, recessed to prevent possibility of "snagging" outside objects; fenders set nearly flush with side body lines (protruding fenders would have taken up space utilized in this model to provide extra seat width); hood approximately one foot shorter than that of many popular cars, allowing better visibility of road ahead; servicing panel in front of hood to permit filling of oil and water merely by raising small section independently of rest of hood; thirty-cubic-foot rectangular trunk in rear, (five to ten more cubic feet of space than most car trunks).

A plaster half-scale model of the instrument panel of the car is now nearing completion. Other details will be made in full scale, and during the spring semester the class will finish the interior of the model.

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ALUMNI FUND BOARD

(Continued from page 4)

to make their contributions to the Alumni Fund unrestricted; thus making it possible for the Alumni Fund Board to allocate these funds to such purposes as they, in their judgment, feel are most important at the time. However, in adopting such a policy, the Board should make it possible for individual alumni who are interested in special funds to earmark their contributions accordingly."

After a thorough discussion, the Board decided to urge all alumni who do not have a special and compelling interest in one of the established funds to make their contributions to the Alumni Fund unrestricted so the Alumni Fund Board may allocate these funds to those specific purposes that may, at the time and in their judgment, be most important and urgent.

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CLAN NEWS

(Continued from page 12)

CHICAGO CLAN TO REMEMBER MEMBERS

The Board of Governors of the Chicago Clan has adopted recommendations submitted by their Service Committee that are worthy of emulation by other Clans. In the case of death of a Clan member, the secretary of the Clan will send a note of condolence to the family of the deceased and the Clan will send a contribution to the Alumni Office for the purchase of a book for the Carnegie Tech Library, to be marked by a suitable bookplate as a memorial. The family of the deceased is to be advised of this action.

In the case of sickness of a Clan member, the secretary of the Clan will send a note and, if the illness is of a very prolonged nature, will send the member a book as a present in behalf of the Clan.

Where death occurs in the family of a member, the secretary will send a note of sympathy to the Clan member.

New officers of the Chicago Clan were elected at the annual meeting on January 27, as follows: President, George Ellerton, E'19; Vice Presidents: Harry D. Krummell, E'20, F. M. McGee, I'25, Miss Adah Whitcomb, L'06; Treasurer, Karl C. Kornman, I'25; Secretary, Howard M. Duffin, A'28.

PHILADELPHIA CLANS

The Philadelphia Women's Clan held a very successful card party the afternoon of January 11 for the benefit of their scholarship fund. The Clan each year awards scholarship assistance to a girl at Carnegie.

The Women's Clan hold regular monthly meetings on the second Saturday of each month.

It is suggested that alumnae call the president, Mrs. D. L. Trautman, or the secretary, Mrs. M. L. Devol, both of Drexel Hill, Pa.

On the evening of January 11, the Philadelphia Men's Clan, with the assistance of the Women's Clan, held a dinner meeting at the Brewery Tavern Rathskeller. Dr. Johnstone, Director of the College of Fine Arts, was the guest speaker. Entertainment was provided by professionals and was very enjoyable.

Among those present: Mr. and Mrs. Joseph L. Bachman, Robert E. Beck, R. P. Bell, Joseph F. Chalupa, Arthur P. De Marco, James J. Diffendal, Daniel J. Doherty, L. A. Evans, John H. Ferguson, A. Hensel Fink, Ed. Hirsch, Louise Irwin Hirsch, Jonathan Houch, Mr. and Mrs. Halsey R. Jones, T. L. McCombs, H. B. Neiman, Charles F. Neu, Wm. R. Poole, William Sciott, Mahlon D. Scott, Herman Silver, Mr. and Mrs. Walter C. Smith, J. F. Traa, Marion McNary Traa, D. L. Trautman Charlotte Watson Trautman, Wm. S. Wagner, Harold E. Wagoner, Reginald Ward, Arthur Torne.

ALUMNI DEATHS

WILLIAM L. SPRENGLE, E'09

a member of the Board of Governors of the Pittsburgh Men's Clan, died in the Columbia Hospital, Pittsburgh, December 15, 1946, after a long illness. He had represented the I. T. E. Co. of Philadelphia, in the Pittsburgh area for more than thirty years.

Mr. Sprengle, a graduate of Electrical Engineering, was a member of the Woodlawn Club at Carnegie and active in student affairs. He was a member of the Engineers Society of Western Pennsylvania.

Besides his widow, Mrs. Ethel Lewis Sprengle, Mr. Sprengle is survived by one son, William L., Jr., of New York.

LILLIAN HUNTER WHITE, M'10

daughter of the late William P. and Sue F. White of Pittsburgh, died at Boston, Mass., December 8, 1946.

EMMETT J. HATCHER, A'11

Captain of the 1910 Tartan football team, died December 26, 1946, in the Allegheny General Hospital at Pittsburgh. A registered architect, he had been associated with Campbell and Wood Company for fifteen years.

Mr. Hatcher, known to his many friends as "Red," was prominent in student activities during his school career at Carnegie and was also active in athletics, having been a member of the football, baseball and basketball teams. He was a member of Sigma Delta Epsilon fraternity.

Mr. Hatcher is survived by his widow, the former Beatrice Johnson, and one son.

WILLIAM R. DOLAN, E'14

designer in the engineering department of the Colorado Fuel and Iron Company, died at Pueblo, Colorado, March 3, 1946.

A graduate in Civil Engineering, Mr. Dolan was past president of the Pueblo Engineering Society, a member of the American Society of Engineers and the Colorado Engineer Council. He had been connected with the C F & I Company twenty years.

Mr. Dolan is survived by his widow, Mrs. Edna Dolan of Pueblo, his brother Mr. A. V. Dolan, E'14, of Pittsburgh; and two sisters, Mrs. Anna Schneider and Mrs. D. J. Dorsey, both of Pittsburgh.

HYMAN L. RUBIN, A'15

a member of the architectural firm of Rubin & VeShancey of Pittsburgh, died February 5, 1947, in the West Penn Hospital.

Mr. Rubin, the first Carnegie student to win the John L. Stewardson award in architecture for study at the American Academy in Rome, was a member of Pi Epsilon fraternity, and the Pittsburgh Chapter of the American Institute of Architects.

Surviving is his widow, Mrs. Eva Diamond Rubin.

EDWARD WENDELS, JR., I'21

died January 30, 1947, at his home in Queens Village, New York.

Mr. Wendels, a member of Alpha Tau fraternity, graduated in Machine Construction in 1920 and received his B.S. in Machine Production in 1921. After teaching at the Vocational High School, Altoona, Pa., for two years, he was employed with the New York Edison Company until 1940, when disabilities forced his retirement. He was then Chief Estimator of Construction. Mr. Wendels leaves his widow, Mrs. Valera E. Wendels, his mother, and one sister.

GEORGE W. STAHLMAN, JR., E'22

prominent in civic, church, and business affairs of Nashville, Tennessee, died June 3, 1945, following a heart attack sustained while playing tennis. He was secretary-treasurer of the George C. Dury Company of Nashville.

Mr. Stahlman, who received his B.S. degree in Chemical Engineering, is survived by his widow, Mrs. Josephine Gaskill Stahlman; and a daughter, Miss Sylvia.

JEROME S. WISE, E'31

an engineer with the Lake Front Dock and Railroad Terminal Company, Toledo, Ohio, died November 24, 1946, from injuries received in an automobile accident.

Mr. Wise, who received his B.S. degree in Electrical Engineering, was a member of Eta Kappa Nu and Tau Beta Pi, honorary fraternities, and Beta Sigma Rho, social fraternity. He was also a member of the Ohio Society of Engineers and the American Institute of Electrical Engineers.

Besides his widow, Mrs. Ruth Wise of Bowling Green, Ohio, Mr. Wise is survived by two sons, Harold, 7, and David, 15 months; and a daughter, Caryl, 5.

JOSEPH P. CORBETT, JR., A'33

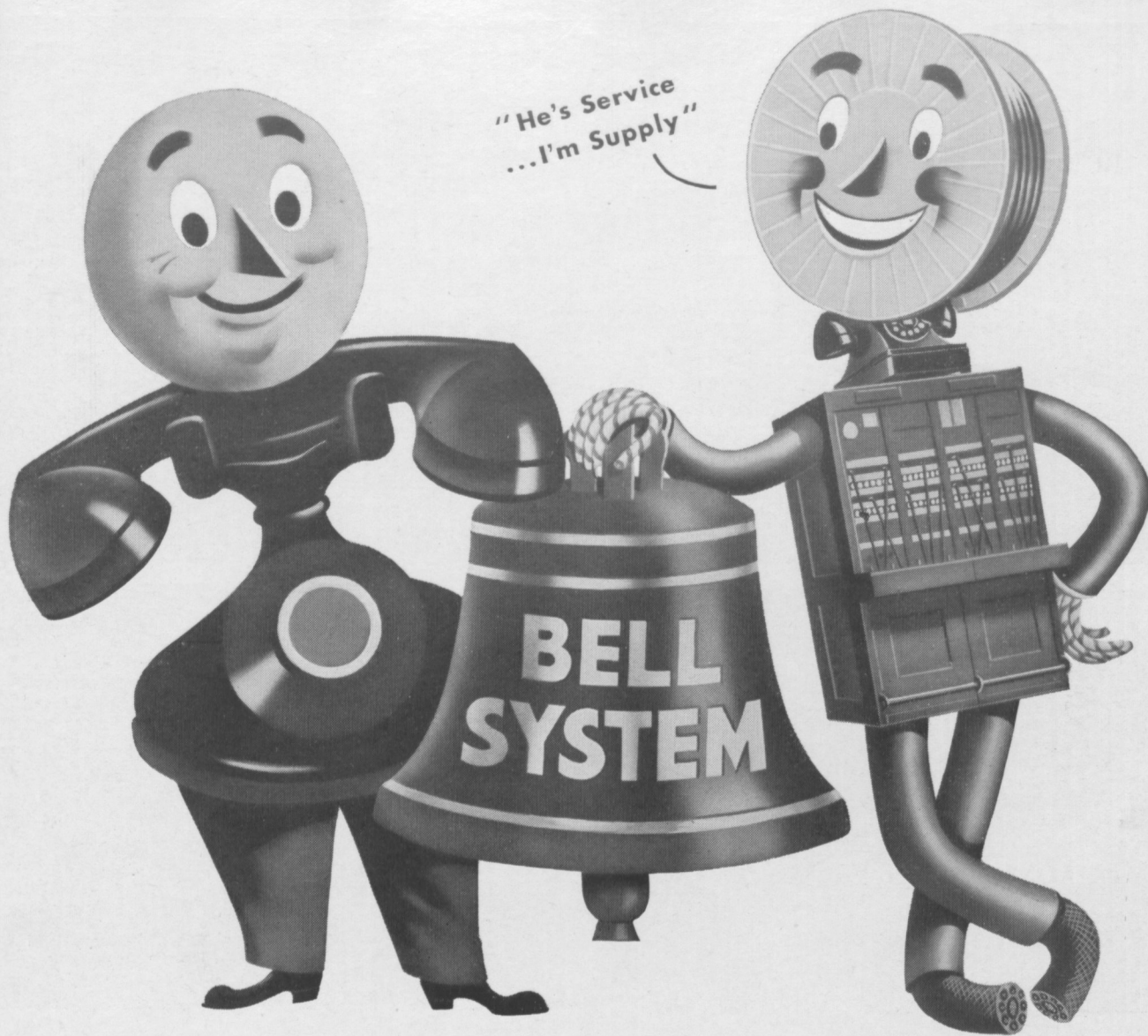
died January 6, 1947, at Bay Port, Michigan, where he was in charge of public school music.

Mr. Corbett was a member of the Kiltie Band, the Carnegie Orchestra, and the Delta Tau fraternity while at Carnegie. He received his B.A. degree in Public School Music. His widow, Mrs. Marian Eitel Corbett of Pittsburgh, survives him.

JANE ALYCE HULTZ, A'46

died January 31, 1947, following a rare and exceptional operation.

Miss Hultz, a member of Sigma Alpha Iota Sorority, received her B.A. degree in Music Education and was teaching in the West Alexander, Pennsylvania, schools. She is survived by her mother, Mrs. Alice Douglas Hultz; a sister, Dorothy D., A'41; and a brother, Jack P. Hultz.



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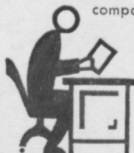
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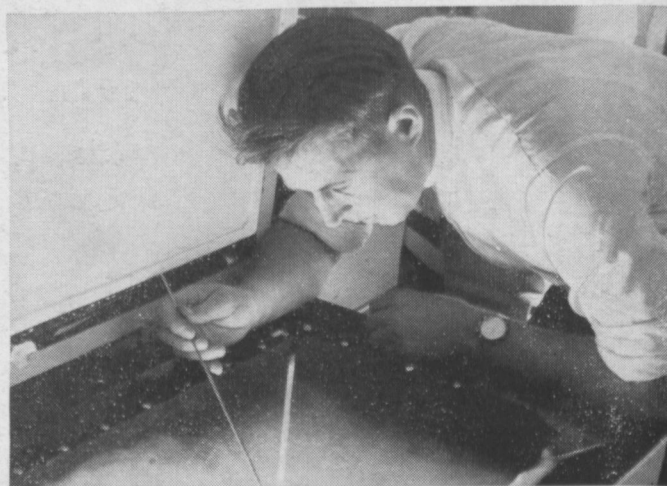
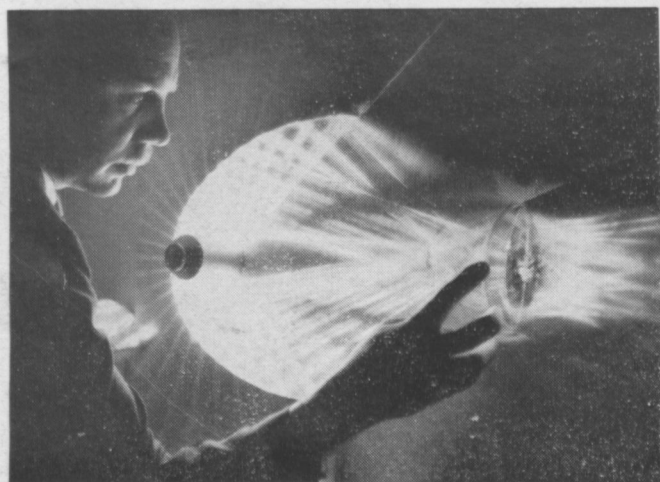
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These are three of the many hundreds of men and women who work in the 29 G-E laboratories to make new ideas serve you. Some, like Mr. Schaefer, seek fundamental truths for science. Others, like Mr. Breeding, work to *apply* these truths in the making of better products. Still others, like Mrs. Hartl, study and test G-E products, the materials that go into them and the machines by which they are made.

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