

# ALUMNI NEWS

## WASHINGTON CHAPTER

ON NOVEMBER 16 the Board of Directors of the Alumni Association established a Washington, D. C. Chapter. Request for the establishment of the chapter came from a group of alumni in the area—Robert D. Fletcher '33, Richard W. Seed '44, Calvin B. Frye '31, Frederick T. Sadler '44, Donald Campbell '41, F. G. Casserly '41, Charles R. Cutler '45, Clarence A. Burmister '25, John W. Jackson '40, C. Lewis Gazin '27, Charles E. Fitch '23, and Donald H. Loughridge '23.

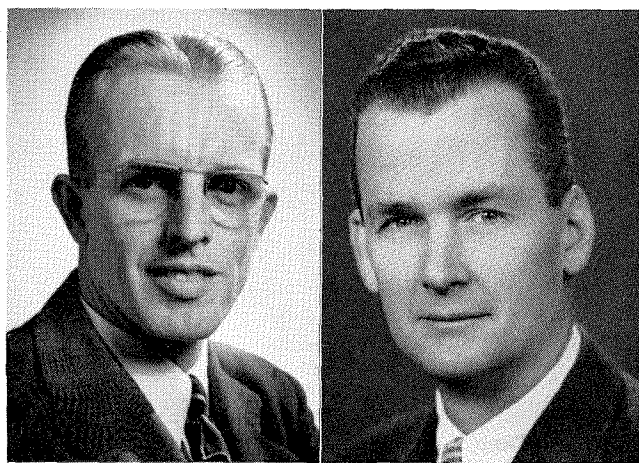
While there were only these twelve signatures on the petition for establishment of the chapter, there are more than 35 alumni in the area. Donald H. Loughridge has been elected president of the new chapter, and Charles Fitch is secretary-treasurer.

## SAN FRANCISCO CHAPTER REPORT

ON NOVEMBER 17 the San Francisco Chapter of the Alumni Association held a dinner meeting at the El Curtola Restaurant. There were about 75 wives, members, and guests on hand to meet the really all-star line-up of special guests—Dr. and Mrs. DuBridge, Dr. R. A. Millikan, Dr. and Mrs. Chester Stock, and Dr. Beno Gutenberg.

Dr. Stock gave a very interesting talk covering recent geological operations of his department, and Dr. Gutenberg outlined the 20-year history of the Seismological Laboratory.

Dr. DuBridge then took us on a verbal tour of the campus, pointing out that the Institute now has eight separate campuses (the number the University of California mentions so often in connection with its size). He went into detail as to the activities of each campus—the one at Pasadena, the Jet Propulsion Laboratory at the Arroyo Seco, the Hydraulics Structures Laboratory at Azusa, the Experimental Farm at Arcadia, the Marine Laboratory at Corona del Mar, Palomar Observatory, the Seismological Laboratory and the Orlando Greenhouse in Pasadena. All of us were



Moving up—Bob Freeman '32 and John G. Pleasants, M.S. '30.

fascinated by the growth of the Institute's research activities.

Jim Halloran acted as President and Chairman in Bob Jones' absence. All in all, the meeting was a very impressive and successful one, and I want those at Tech to know how much we appreciated having so many and such prominent people here.

—L. Dean Fowler

## V. P. PLEASANTS

YOU DON'T HAVE TO WAIT until you're old and gray to become a top executive in industry these days. Not if you've got what it takes—which John Gibson Pleasants obviously has. And not if you work for Procter & Gamble—which Pleasants has been doing since 1933.

John Pleasants, who will be 40 on December 27, has just been made a vice-president of Procter & Gamble. A graduate of the University of Southern California, he received his M.S. in Electrical Engineering from Caltech in 1930, his Ph.D. in 1933. He went right to work for Procter & Gamble, in the company's oil processing plant at Long Beach. Five years later he was plant superintendent at Port Ivory, New York. Then he stepped up successively as superintendent of the Baltimore plant in 1939, head of the Western Division in 1940, technical division manager in 1946, manufacturing director in 1947, and now vice-president in charge of manufacture.

Along with the announcement of Pleasants' promotion, Procter & Gamble reported the election of two other P & G career men to vice-presidencies—average age of the three new vice-presidents being 39, average term of service with P & G 15 years, eight months. P & G's new president, Neil H. McElroy, elected at the same time, is an old party of 44.

## CHIEF FREEMAN

THE COLUMBIA STEEL Company, far Western subsidiary of the United States Steel Corporation, recently announced the appointment of Dr. Robert B. Freeman as Chief Metallurgist.

Bob got three degrees from Caltech—a B.S. in Mechanical Engineering in 1932, an M.S. in Metallurgy the following year, and a Ph.D. in 1936. Starting as a Metallurgist at the Torrance Works of Columbia Steel in that same year, he was transferred to the San Francisco headquarters office in 1938 where he worked under the Chief Metallurgist. He became a Metallurgist at the Pittsburg, California, Works in 1941, and was made Works Metallurgist in 1943.

As an undergraduate Bob was president of the YMCA, a member of the Varsity Club—and, in his senior year, its president. In his junior year he served as a Representative-at-Large and a member of the Board of Control. As a senior he was vice-president of the Student Body and chairman of the Board of Control. He was active in track, received a letter for each of the four years, and was captain of the track team in his senior year.

## PROFESSOR WAYLAND

**J.** HAROLD WAYLAND, M.S. '35, Ph.D. '36, has been appointed Associate Professor of Applied Mechanics at the Institute, to succeed Ralph E. Byrne, Jr., who died on September 17.

Wayland, who received his B.S. degree in Physics in 1931 from the University of Idaho, comes to his new post at Caltech from the Naval Ordnance Training Station at Inyokern, where he has been serving as Supervisor and Research Director of the Underwater Ordnance Section.

After receiving his Ph.D. from Caltech in 1936, Wayland became Assistant Professor of Physics and Engineering at the University of Redlands. In 1941 he joined the Naval Ordnance Laboratory in Washington, D. C. Here he was put in charge of a group of about 50 men doing research and testing in degaussing. In 1942 he served with the 11th Naval District in San Pedro, as Senior Physicist in degaussing and other underwater problems. In 1944 Wayland became a War Research Fellow at Caltech, and in 1945 went to Inyokern. He takes on his new duties at the Institute on January 1.

## ATOM-SMASHER

**C.** CAROL G. MONTGOMERY, B.S. '27, M.S. '28, Ph.D. '30, and now a member of the Physics Department at Yale University, has collaborated with three other members of his department to turn out a new atom-smasher.

Known as a proton accelerator, the machine produces gamma rays, or high-energy X-rays, in large numbers. In other words, it can fire more atomic bullets per second than other atom-smashing machines; so, more of them are likely to hit their targets.

Another advantage claimed for the machine is that it can speed up any type of charged particle, and pro-



Warm-up session before the Alumni Association dinner at the Pasadena Athletic Club, November 8. Speakers of the evening—Ernst Schreiber and Robert Simpson of Pacific Tel & Tel, and Caltech's football coach, Mason Anderson—with Alumni President Howard Lewis, and Director Wendell Miller.

duce more of them. Other atom-smashers like the cyclotron, betatron, and synchrotron are limited in the kind of atomic particles that can be used in them.

The Yale machine operates on pulses of direct current. These are transformed into rapid, radio-frequency oscillations. Then, in a cavity resonator, this voltage produces high-energy protons from hydrogen gas. These are shot out in powerful bursts at a target of lithium. As the atoms of lithium are broken down, they liberate gamma rays with an energy of 17 million electron volts. The gamma rays, in turn, are then fired at the test atoms to smash them.

Since no heavy steel magnets are needed, as in the cyclotron, the proton accelerator is cheaper to build and operate, according to the Yale physicists. It costs between \$10,000 and \$15,000, compared with \$50,000 for the cheapest cyclotron. Collaborating with Dr. Montgomery in designing and building the machine were Dr. George A. Kolstad, Dr. Howard L. Schultz, and Dr. Richard B. Setlow.

## ALUMNI ASSOCIATION OFFICERS

**PRESIDENT**  
H. B. Lewis '23

**VICE-PRESIDENT**  
J. W. Lewis '41

**SECRETARY**  
D. S. Clark '29

**TREASURER**  
H. R. Freeman '25

### BOARD OF DIRECTORS

N. A. D'Arcy '28  
E. R. Hoge '18  
R. M. Lehman '31

G. K. Whitworth '20

R. F. Mettler '44  
W. B. Miller '37  
W. D. Sellers '25

## ALUMNI CHAPTER OFFICERS

### Chicago Chapter:

**PRESIDENT**  
1045 Chestnut Ave., Wilmette  
North Shore Broadcasting Co., Evanston  
**VICE-PRESIDENT**  
Armour Research Foundation  
8421 Indiana Ave., Chicago  
**SECRETARY-TREASURER**  
1710 Central Ave., Wilmette

Edward A. Wheeler Ex'39  
UNiversity-6406  
Le Van Griffis '37  
VICTORY-3300  
Robert T. Dillon '25

### New York Chapter:

**PRESIDENT**  
25 W. 16th St., New York 11, N. Y.  
C. F. Braun & Co., 630 5th Ave., N. Y. C.  
**VICE-PRESIDENT**  
32 N. Woods Rd., Manhasset, N. Y.  
Metallizing Engineering Co., Inc.  
38-14 30th St., Long Island City 1, N. Y.,  
**SECRETARY-TREASURER**  
106 N. Walnut St., East Orange, N. J.  
Otis Elevator Co., 260 Eleventh Ave., N. Y. C.

Clifford C. Burton '40  
CA 4-4595  
CI 5-6380  
Charles K. Stipp '31  
Manhasset 3206  
STilwell 4-6708  
Richard T. Brice '37  
ORange 2-5353  
CH 4-8000

### San Francisco Chapter:

**PRESIDENT**  
1431 Park Blvd., San Mateo  
Standard of California  
**VICE-PRESIDENT**  
936 Filmore Street, Albany 6  
Electro-Engineering Works, Oakland  
**SECRETARY-TREASURER**  
101 Arroyo Way, San José  
General Electric Co., San José

Robert P. Jones '35  
San Mateo 3-7634  
SUTter 7700  
James J. Halloran '35  
LANscape 5-0791  
OLympic 3-1588  
L. Dean Fowler '23

The San Francisco Chapter meets weekly for lunch at the Fraternity Club, 345 Bush Street, on Thursdays.

### Washington, D. C., Chapter:

**PRESIDENT**  
Department of the Army  
Office of the Assistant Secretary, Pentagon Bldg.  
**SECRETARY-TREASURER**  
9214 Long Branch Pkwy., Silver Spring, Md.

Donald H. Loughridge  
Charles E. Fitch