

Martin Forster, Sir Richard Gregory, Sir Thomas Heath, Sir Clement Hindley, Sir Herbert Jackson, Sir Henry Miers, Sir Peter Mitchell, Sir John Parsons, Sir Robert Robertson, Sir Isidore Salmon, Sir Gilbert Walker, Sir Cuthbert Wallace, Major-General R. B. Ainsworth and Emile Mond.

EXPEDITION OF THE DEPARTMENT OF TROPICAL RESEARCH OF THE NEW YORK ZOOLOGICAL SOCIETY

THE twentieth expedition of the Department of Tropical Research of the New York Zoological Society, under the directorship of Dr. William Beebe, left New York in May for the sixth year of continuous oceanographic work at Bermuda. After a lapse of a year, the exploration of ocean depths in the Bathysphere will be resumed. This work has been made possible by a grant of funds for the purpose by the National Geographic Society of Washington. Six hundred more feet of cable will permit a descent to 3,000 feet, and new oxygen apparatus will allow the time limit to be extended to five hours.

The dives in the Bathysphere will take place in July when best weather conditions are most likely. The earlier program includes further work on deep sea fish and on the occurrence and development of pelagic fish eggs. Headquarters will be established at the Bermuda Biological Station, the field work being carried on at the Zoological Society's laboratory, New Nonsuch and on the chartered vessels, *Gladisfen* and *Ready*.

In addition to Dr. and Mrs. Beebe, the group which sailed for Bermuda included the regular staff of the department, John Tee-Van, Gloria Hollister and Jocelyn Crane. Mr. Otis Barton, two artists and two Dartmouth graduates will follow later.

The Bathysphere is now in New York undergoing a thorough reconditioning by the generosity of the Air Reduction, the General Electric, the Bell Telephone and the Watson-Stillman Companies.

FELLOWSHIPS OF THE NATIONAL RESEARCH COUNCIL

THE Fellowship Board in Physics, Chemistry and Mathematics of the National Research Council at its meeting held late in April made appointments and re-appointments for a second year as shown by the attached list:

APPOINTMENTS MADE APRIL 22, 1934

REAPPOINTMENTS—None to Exceed Eight Months

Physics

- Allen, John F. (Ph.D. Toronto, 1933)
- Bradley, Charles A. (Ph.D. Columbia, 1932)
- Heydenburg, Norman P. (Ph.D. State Univ. Ia., 1933)
- Kurie, Franz N. D. (Ph.D. Yale, 1932)
- Lewis, Charlton M. (Ph.D. C. I. T., 1933)
- McKellar, Andrew (Ph.D. California, 1933)

- McMillen, James H. (Ph.D. Washington, 1930)
- Parratt, Lyman G. (Ph.D. Chicago, 1932)
- Shortley, George H., Jr. (Ph.D. Princeton, 1933)
- Van Atta, Chester M. (Ph.D. New York U., 1933)
- *Wheeler, John A. (Ph.D. Johns Hopkins U., 1933)
- Whitford, Albert E. (Ph.D. Wisconsin, 1932)

Chemistry

- †Bear, Richard S. (Ph.D. California, 1933)
- Benedict, William S. (Ph.D. M. I. T., 1933)
- Cross, Paul C. (Ph.D. Wisconsin, 1932)
- Deitz, Victor (Ph.D. Johns Hopkins U., 1932)
- Gilfillan, Edward S., Jr. (Ph.D. Harvard, 1932)
- Hicks, John F. G., Jr. (Ph.D. California, 1933)
- Hultgren, Ralph R. (Ph.D. C. I. T., 1933)
- Kimball, George E. (Ph.D. Princeton, 1932)
- †Sherman, Albert (Ph.D. Princeton, 1933)
- Smith, Howard A. (Ph.D. Illinois, 1931)
- Spielman, Marvin A. (Ph.D. Minnesota, 1933)
- Trenner, Nelson (Ph.D. New York U., 1932)
- Wright, George F. (Ph.D. Iowa S. College, 1932)

Mathematics

- Barber, Sherburne F. (Ph.D. Rochester, 1933)
- *Blumenthal, L. M. (Ph.D. Johns Hopkins U., 1927)
- Cameron, Robert H. (Ph.D. Cornell, 1932)
- Hull, Ralph (Ph.D. Chicago, 1932)
- Lewis, Daniel C., Jr. (Ph.D. Harvard, 1932)
- Montgomery, Deane (Ph.D. Iowa, 1933)
- Nathan, David S. (Ph.D. Cincinnati, 1933)

NEW APPOINTMENTS—For a Period of Twelve Months

Physics

- Bonner, Tom W. (Ph.D. Rice, 1934)
- Brown, Frederick W. (Ph.D. Illinois, 1933)
- Jacobs, Robert (Ph.D. C. I. T., 1934)
- Jordan, Edward B., Jr. (Ph.D. California, 1934)
- Serber, Robert (Ph.D. Wisconsin, 1934)
- Shaw, Charles H. (Ph.D. Johns Hopkins, 1933)
- *Uehling, Edwin A. (Ph.D. Michigan, 1932)

Chemistry

- Benedict, Manson (Ph.D. M. I. T., 1934)
- Frevel, Ludo K. (Ph.D. Johns Hopkins, 1934)
- Gould, Robert G., Jr. (Ph.D. Harvard, 1933)
- Gulbransen, Earl A. (Ph.D. Pittsburgh, 1934)
- Helmholz, Lindsay (Ph.D. Johns Hopkins, 1933)
- Long, Earl A. (Ph.D. Ohio State, 1934)
- Steffens, Carsten C. (Ph.D. C. I. T., 1934)
- Voge, Hervey H. (Ph.D. California, 1934)

Mathematics

- Martin, William T. (Ph.D. Illinois, 1934)
- Murray, Francis J. (Ph.D. Columbia, 1934)
- Myers, Sumner B. (Ph.D. Harvard, 1932)
- Robertson, Malcolm I. S. (Ph.D. Princeton, 1934)
- Webber, G. Cuthbert (Ph.D. Chicago, 1934)

* May work abroad on U. S. basis.

† For four months.