

five ground finches, a booby (bird) and a tinamou for the zoo.

In addition to fifteen islands of the Galapagos group, the expedition visited fishing grounds on the north Peruvian coast, and in the Cocos Islands near Panama. The collections for the museum include about 1,500 fishes representing some 200 different species. Included are specimens for the preparation of a habitat group of fishes to be shown in an undersea setting. There are also two sailfish less than five inches long, believed to be among the smallest specimens of this species ever taken (the mature sailfish caught by sportsmen are eight feet long, or more, and weigh upwards of 150 pounds). A twelve-foot manta (giant species of devil-fish), a 340-pound striped marlin and some fingerling dolphins are included in the fish collections. The manta, harpooned, was landed only after a long fight.

The bird collection numbers about 425 specimens, collected on different islands. Those from Galapagos are of special interest and importance, according to Karl P. Schmidt, chief curator of zoology, because the observed differences in the birds from island to island in the Galapagos group were the thing that caught Darwin's attention on his visit to these islands a hundred years ago, and formed the basis of his reasoning which led to the theory of evolution. Field Museum hopes to use the birds collected by the Mandel expedition in the preparation of an exhibit illustrating evolution.

Mr. Mandel is accompanied by Mrs. Mandel and a museum party including Dr. Wilfred H. Osgood, curator emeritus of the department of zoology; Rudyerd Boulton, curator of birds; Loren P. Woods, assistant curator of fishes; Staff Taxidermist Leon L. Walters; Melvin A. Traylor, Jr., volunteer worker in the division of birds, and Peter Lambert, of Zion, Illinois, an experienced amateur diver.

APPOINTMENTS, PROMOTIONS AND RETIREMENTS AT THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DR. SVERRE PETTERSEN has been appointed head of the department of meteorology at the Massachusetts Institute of Technology for the next academic year. Dr. Pettersen, who was for seven years in charge of the Weather Forecasting Institute in Bergen, Norway, and who since 1939 has been acting head of the long-established course in meteorology, which now becomes a separate department, will succeed Professor Carl-G. A. Rossby, who has been on an extended leave of absence as assistant chief of the United States Weather Bureau in charge of research. Professor Rossby will resign to join the faculty of the University of Chicago.

Faculty promotions to the rank of professor include Hoyt C. Hottel, Dr. Thomas K. Sherwood and Dr.

Harold C. Weber, all of the department of chemical engineering; Dr. Ernest H. Huntress, of the department of chemistry, and Dr. Julius A. Stratton, of the department of physics.

Members of the faculty advanced to the rank of associate professor are Dr. Samuel C. Collins, Dr. Arthur R. Davis, Dr. Gerhard Dietrichson, Dr. Robert C. Hockett, Dr. Nicholas A. Milas and Charles M. Wareham, all of the department of chemistry; and Dr. Robert S. Harris and Dr. Marshall W. Jennison, of the department of biology and public health.

Promoted to the rank of assistant professor are Joseph A. Bergantz, department of chemical engineering; Dr. Alfred H. Clifford, department of mathematics; Lyman M. Dawes, Dr. Arthur E. Fitzgerald and James E. Mulligan, department of electrical engineering; Albert G. Dietz, department of building engineering and construction; John A. Hrones, department of mechanical engineering; Walter McKay, department of aeronautical engineering; Dr. Charles A. Myers, department of economics and social science; Herman J. Shea and Charles H. Norris, department of civil engineering; Walter F. Urbach, department of English and history, and James M. Austin, department of meteorology.

Appointments to the grade of instructor include Walter K. Bodger, Louis F. Coffin, Jr., Kenneth R. Fox, Frank J. Mehringer, all of the department of mechanical engineering; Robert Plunkett, of the department of electrical engineering, and Miss Margaret Whitcomb, of the department of meteorology.

Two new members of the faculty of the department of biology and public health, both of whom will be active in the program in biological engineering, are Dr. Richard Scott Bear, assistant professor in the department of chemistry at Iowa State College, and Dr. David Floyd Waugh, of the department of zoology of Washington University, St. Louis.

Lieutenant-Commander George C. Manning, who served as an associate professor in the department of naval architecture and marine engineering in 1938 and 1939, will return in the autumn as an associate professor.

Eight members of the staff will retire this year, including Charles E. Fuller, who joined the staff of the department of mechanical engineering in 1892; Professor George Owen, of Newton, internationally known yacht designer who came to the faculty of the department of naval architecture and marine engineering in 1915; Professor Arthur A. Blanchard, a member of the staff of the department of chemistry since 1899; Professor Ralph R. Lawrence, of the department of electrical engineering, who was appointed to the staff in 1896; Professor Joseph C. Riley, who has been on the staff of the department of mechanical engineering since 1898, and Professor Edward E. Bugbee, who ex-

cept for an interval of four years has been associated with the department of mining and metallurgy since 1900.

THE AMERICAN MEDICAL ASSOCIATION AND THE ANTI-TRUST LAW

ACCORDING to press reports a Federal jury on April 4 found the American Medical Association and the Medical Society of the District of Columbia guilty of Anti-Trust Law violation, but acquitted eighteen individual defendants in the case. The jury deliberated about eleven hours.

The government charged that the two organizations and the individual physicians entered into a conspiracy in restraint of trade and interfered with operations of the Group Health Association, a cooperative organization giving medical service to government employees for a monthly advance fee.

Defense attorneys contended that the practice of medicine was not a "trade," as defined in the Sherman

Anti-Trust Act. Defense witnesses testified that they did not act in conspiracy in declining to cooperate with Group Health.

The original defendants in the indictment, returned in December, 1938, included the Harris County Medical Society, Texas, and the Washington Academy of Surgery, but Justice Proctor ordered their acquittals on the ground of insufficient evidence.

On April 5 the counsel for the American Medical Association announced that it would contest the verdict.

Among those acquitted are the following officers of the American Medical Association: Dr. Olin West, secretary and general manager; Dr. Morris Fishbein, editor of the *Journal* of the association; Dr. William D. Cutter, secretary of the Council on Medical Education and Hospitals; Dr. Rosco G. Leland, director of the Bureau of Medical Economics, and Dr. William C. Woodward, formerly director of the Bureau of Legal Medicine and Legislation.

SCIENTIFIC NOTES AND NEWS

THE American Academy of Arts and Sciences has awarded the Rumford gold and silver medals for 1941 to Dr. Vladimir Kosma Zworykin, director of the Research Laboratory of the Radio Corporation of America, in recognition of his work on photocells and their application, the development of television and of the electron microscope.

THE bronze medal for distinguished literature in the field of nature was presented to Louis J. Halle, who wrote "Birds Against Men," by the John Burroughs Association at the annual meeting of the association which was held at the American Museum of Natural History on March 29.

THE Wildlife Society has made its annual award for the outstanding paper of the year 1940 to Dr. Paul L. Errington, Mrs. Frances Hamerstrom and F. N. Hamerstrom, Jr., for their research bulletin on "The Great Horned Owl and Its Prey in North Central United States." The award is in the nature of an engrossed scroll and a citation in *The Journal of Wildlife Management*.

FOR his series of studies in the financing of European school systems, Dr. Fletcher Harper Swift, professor of education at the University of California at Berkeley, has been given an award of merit by the American Educational Research Association. This work was made possible through grants from the General Education Board and the Carnegie Foundation for the Advancement of Teaching.

AT the annual general meeting of the British Institute of Chemistry the Meldola Medal was awarded to

Dr. Ewart Ray Herbert Jones, assistant lecturer in organic chemistry in the Imperial College of Science and Technology.

THE British Institution of Mechanical Engineers has awarded the Hawksley Gold Medal to Dr. F. D. Smith and bronze replicas of the medal to his co-authors, E. H. Lakey, H. Morgan and C. A. Luxford, for the following papers: "The Admiralty Cathode Ray Oscillograph Engine Indicator" by F. D. Smith, E. H. Lakey and H. Morgan; "Basic Principles in the Design of Cathode Ray Oscillograph Engine Indicators" by F. D. Smith and "Stress Measurement by Magnetostriction" by F. D. Smith and C. A. Luxford.

DR. RICHARD LIGHTBURN SUTTON, JR., assistant professor of dermatology at the Medical School of the University of Kansas, has been elected a fellow of the Royal Society of Edinburgh. Dr. Sutton's father, professor of dermatology at the School of Medicine, is also a fellow of the society.

AT the annual meeting on March 31 of the members of the Philadelphia College of Pharmacy and Science, Dr. Ivor Griffith, dean of pharmacy at the college, was elected to the presidency of the institution. He succeeds Dr. Wilmer Krusen, formerly director of Public Health of the City of Philadelphia, who has served as president of the college since 1927 and has been elected president emeritus.

DR. I. SCHOUR, of the Dental College of the University of Illinois, was elected to the presidency of the International Association for Dental Research at the recent St. Louis meeting. Other officers for the cur-