

doctors who take part in medical consultations with doctors of the group.

3. The expulsion from Washington hospitals of the Group Health Association staff doctors.

In the opinion given by Mr. Arnold he says:

The department believes that the anti-trust laws make it illegal for medical societies or individual practitioners to obtain or retain for themselves a monopoly of the communities' medical services, so long as adequate standards are maintained in the treatment of patients among those doctors who are willing to serve cooperative or other groups.

No combination or conspiracy can be allowed to limit a doctor's freedom to arrange his practice as he chooses so long as, by therapeutic standards, his methods are approved and do not violate the law.

Organized medicine should not be allowed to extend its necessary and proper control over standards having to do with the science and art of medicine, to include control over methods of payment for services involving economic freedom and the welfare of consumers and the legal rights of individual doctors.

THE MARINE BIOLOGICAL LABORATORY AT WOODS HOLE

THIS year marks the fiftieth anniversary of the founding of the Marine Biological Laboratory at Woods Hole, Mass. In the summer of 1888 the first building was opened for the use of seven investigators (all save one were beginners), and eight students. Professor C. O. Whitman, of Chicago, was the director. The laboratory was scantily furnished with glassware and other necessities; living material was collected in a rowboat; the library consisted of a few volumes on a shelf, which also carried the supply of chemicals. During the half century which has followed, the institution has grown until the attendance is more than 500. To the original building, still used for investigation and research, have been added other wooden buildings, and a large brick laboratory containing a remarkably complete library, research rooms equipped with running fresh and salt water, well-stocked chemical and apparatus rooms, a very efficient x-ray installation and a large auditorium. The supply department now has power boats, a fish trap and other equipment needed for its very important task. In the past fifty years the institution has grown from a very modest beginning to a position of world-wide influence in biology.

At an informal meeting to celebrate the semicentennial of the laboratory, there will be presented a portrait of C. R. Crane, who in very large measure was

responsible for the growth of the institution. Mr. Crane was president of the Board of Trustees from 1902 until 1925; he gave a completely equipped laboratory building in 1914, and later, a large sum for an endowment fund. His numerous gifts over a period of more than a generation have been substantial and timely. The Marine Biological Laboratory has received large gifts also from John D. Rockefeller, Jr., the Rockefeller Foundation and the Carnegie Corporation.

From the first, the chief activities of the laboratory have been instruction and research. During the summer, courses are offered in invertebrate zoology; embryology, chiefly of the invertebrates; general physiology; protozoology, and marine algae. The attendance this summer is at a maximum, practically all the space devoted to instruction being occupied. A few changes have occurred in the staff of instructors. In the physiology course, Dr. Carl Schmidt has replaced Dr. Rudolf Höber; Drs. L. G. Barth and Charles Packard have resigned from the embryology staff, their work being taken by Dr. W. W. Ballard, of Dartmouth, and Professor D. M. Whitaker, of Stanford University. In the other courses the teaching staff is the same as last year.

Following a custom initiated by Professor Whitman, and never discontinued, members of the laboratory give weekly lectures in which they discuss their investigations. The first lecture of the current season was given by Professor M. H. Jacobs, the retiring director, who spoke on "Blood and Zoological Classification." Professor S. O. Mast, of the Johns Hopkins; Professor G. H. Parker, of Harvard; Dr. O. E. Schotté, of Amherst, and Dr. Eduard Uhlenhuth, of the University of Maryland, gave the other lectures in July.

Each week there is also a seminar devoted to the presentation of short papers by investigators at work in the laboratory. During July, the topics discussed were some phases of endocrine activity, protozoan studies, aspects of the physiology of muscle and the action of organizers in development. An important feature of these informal gatherings is the lively discussion which follows the presentation of the papers.

The aim of the institution was stated many years ago by Professor Whitman. "The Marine Biological Laboratory attaches itself to no single institution, but holds itself rigidly to the impartial function of serving all on the same terms. . . . The whole policy is national in spirit and scope. The laboratory exists in the interests of biology at large."

SCIENTIFIC NOTES AND NEWS

DR. EARL BALDWIN MCKINLEY, professor of bacteriology, dean of the Medical School and director of medical research at the George Washington Univer-

sity, and Fred Campbell Meier, plant pathologist of the Department of Agriculture, were on the *Hawaii Clipper*, lost over the Pacific on July 28. They were

engaged in research on aerobiology and in making arrangements for the continuation of the collection of micro-organisms, viruses, pollens and dust in the upper air by officers of the trans-Pacific airships.

At the meeting of the Pacific Division of the American Association for the Advancement of Science, held in San Diego during the week of June 20, Dr. S. J. Holmes, professor of zoology of the University of California, was elected president in succession to Dr. J. S. Plaskett, director emeritus of the Dominion Astrophysical Observatory, Victoria, B. C. A full report of the meeting by Dr. J. Murray Luck, secretary of the division, will appear in an early issue of SCIENCE.

WESLEYAN UNIVERSITY at commencement conferred the doctorate of science on Dr. Aaron L. Treadwell, of the class of '88, now professor emeritus of zoology of Vassar College.

THE doctorate of science has been conferred by the University of Belfast on Dr. J. P. Hill, professor of embryology of University College, London.

Nature reports that Sir William Bragg, president of the Royal Society and director of the Royal Institution, has been elected a foreign associate of the Paris Academy of Sciences. The number of foreign associates of the Paris Academy is limited to twelve; the only other British foreign associate is Sir Joseph Thomson.

DR. WOLFGANG OSTWALD, professor of colloid chemistry at Leipzig, and Dr. Erich Martini, professor of medical zoology at Hamburg, have been nominated as honorary members of the Rumanian Academy of Sciences at Bucharest.

THE yearly prize of the International Veterinary Congress at its twelfth annual meeting in New York City was awarded to Dr. George H. Hart, professor of animal husbandry in the College of Agriculture of the University of California, "for the most outstanding work of the year in veterinary science."

At a meeting on July 14 of the Royal College of Surgeons, London, Dr. Hugh Lett was elected president for the ensuing year. At the same meeting the Hallett Prize was awarded to Dr. Howard Hadfield Eddey, of the University of Melbourne.

THE American Society for the Study of Allergy has elected the following officers for 1938-1939: *President*, Dr. Harry L. Alexander, St. Louis, Mo.; *President-elect*, Dr. Warren T. Vaughan, Richmond, Va.; *Vice-president*, Dr. Robert L. Benson, Portland, Ore.; *Secretary-Treasurer*, Dr. J. Harvey Black, Dallas, Texas. The 1939 meeting will be held at St. Louis, in conjunction with the meeting of the American Medical Association.

PROFESSOR JOHN C. GRAHAM, for twenty-seven

years head of the department of poultry husbandry of the Massachusetts State College at Amherst, retired at the close of the academic year.

DR. ELLIOTT L. McMILLEN, assistant professor of chemical engineering at the Iowa State College, has resigned to become head of the department of engineering of Lafayette College, and Dr. Grover L. Bridger, of the department of chemical engineering, has been appointed assistant professor of chemical engineering at the Rice Institute.

DR. WALTER W. WISNICKY, for the last eight years director of livestock sanitation with the Wisconsin State Department of Agriculture and Markets, has been appointed professor of veterinary science at the University of Wisconsin. He has obtained leave of absence from his present work and will join the faculty on August 15.

In the department of physics of Indiana University, Dr. F. N. D. Kurie, research associate at the Radiation Laboratory of the University of California, and Dr. E. J. Konopinski, national research fellow at Cornell University, have been appointed assistant professors. Dr. L. M. Langer, of New York University, has been made instructor.

DR. P. F. ENGLISH, of the department of forestry and wildlife management, has resigned from the Connecticut State College to accept an assistant professorship of wildlife management at the Pennsylvania State College.

GEORGE R. PHILLIPS, from 1926 to 1936 state forester of Oklahoma, has been made acting chief of the Division of State Forests in the U. S. Forest Service.

DR. R. W. ESCHMEYER, for the past eight years associated with the Institute of Fisheries Research at the University of Michigan, has become associate aquatic biologist with the Biological Readjustment Division of the Tennessee Valley Authority, and Earl Cady, of the Cleveland Museum of Natural History, also has joined the division, of which the headquarters are at Norris, Tenn.

WILLARD W. HODGE, professor of chemical engineering and head of the department of chemical engineering at West Virginia University and director of the Engineering Experiment Station, has been granted a year's leave of absence to conduct work at the Mellon Institute, Pittsburgh, Pa., on the prevention of stream pollution under a fellowship founded by the American Iron and Steel Institute. Dr. A. E. Alexander, ceramic engineer with the Electric Auto-Lite Company of Toledo, has been appointed industrial fellow in mineralogy and petrography.

DR. C. E. ZOBELL, assistant professor of marine microbiology at the Scripps Institution of Oceanography of the University of California, will spend next

year as visiting professor in the department of limnological biology at the University of Wisconsin, where he will hold a research post-doctorate fellowship. He will work in association with Dr. E. B. Fred, Dr. Chancey Juday and other staff members.

LIEUTENANT COMMANDER LINCOLN ELLSWORTH sailed on July 26 for Southampton on his way to Cape Town, South Africa, for his fourth expedition to the Antarctic. It is expected that the expedition will leave Cape Town on October 1 on the *Wyatt Earp*. Sir Hubert Wilkins will be a member of the party.

At the U. S. Geological Survey, Dr. Philip S. Smith, chief Alaskan geologist, sailed from Seattle, Wash., on June 20, to make the annual investigation of mining conditions and mineral production in Alaska. His first stop is at Juneau, Alaska, where he will join the party under John C. Reed, which is making geologic and topographic surveys on the west coast of Chichagof Island. In connection with the recent allotment of funds to the survey by the Public Works Administration, W. D. Johnston, Jr., left Washington on July 16 for Los Angeles and San Francisco, to organize parties to study manganese, chrome and mercury deposits in California, Oregon and Wyoming.

MEMBERS of the department of geology of Northwestern University who are conducting scientific work during the summer include Dr. Edward C. Dapples, who is studying the coal fields of England, France and Germany; Arthur L. Howland and Robert Garrels, who are investigating the iron ores of Newfoundland under the auspices of the Newfoundland Geological Survey; Dr. William E. Powers, who is in Ottawa, Canada, gathering material on the physiographic regions of Canada, and Dr. J. R. Ball, who is continuing his work on the Silurian epoch in Tennessee, Missouri and Arkansas. Dr. John T. Stark made studies in July of the Val d'Or gold field in Canada, and this month will conduct a field course in the Ontario-Minnesota boundary region.

DR. THOMAS J. LEBLANC, professor of preventive medicine at the University of Cincinnati, and five students are attending the regular summer course of four weeks at the School of Tropical Medicine, Puerto Rico. Dr. Howard B. Shookhoff, who holds a fellowship from the New York Academy of Medicine, plans to spend five months at the school.

DR. SAMUEL H. WILLIAMS, professor of biology at the University of Pittsburgh, has left for Port-au-Prince, Haiti, where he will study for about two months the archaic insect fauna in the interior.

DR. STIG RYDEN, of the Göteborg Museum, Sweden, is making a tour of the principal museums and ethnographical collections in the United States, following which he will go to Bolivia, where he plans to undertake ethnographical work.

THE fiftieth anniversary of the founding of the Storrs Agricultural Experiment Station at the Connecticut State College was celebrated on July 28. The following program, presided over by President Albert N. Jorgensen, was presented: "Milestones and Monuments—A Historical Sketch of the Station," by Director William L. Slate; "The Place of an Agricultural Experiment Station in the Economy of a Commonwealth," by Dr. R. E. Buchanan, director of the Iowa Agricultural Experiment Station; "Dreams, Goals, Deeds," by Dr. J. L. Hills, dean of the college of agriculture and director of the experiment station of the University of Vermont.

THE autumn sessions of the National Academy of Sciences will be held at the University of North Carolina on October 24, 25 and 26.

THE sixtieth meeting of the American Astronomical Society will be held from September 14 to 16 at the University of Michigan, under the presidency of Dr. Robert G. Aitken, director emeritus of the Lick Observatory.

THE eighteenth annual meeting of the Highway Research Board will be held in the building of the National Academy of Sciences and National Research Council, Washington, D. C., from November 30 to December 2.

THE U. S. Bureau of Fisheries has established an office at the Utah State Agricultural College, Logan, for the purpose of cooperating with the Forest Service in developing a stocking program for the lakes and streams of Forest Region No. 4. Dr. Stillman Wright is in charge of the office.

THE sum of approximately \$37,000 to be spent over a period of five years has been given by the Commonwealth Fund, New York, to the University of Minnesota to be used for graduate medical education. The fund will provide for a series of advanced courses in at least five branches of medicine.

THE London *Times* states that an expedition, organized at the Scott Polar Research Institute, is visiting West Spitsbergen this summer. The object of the expedition is twofold. The nature and processes of glacial erosion will be investigated in conditions resembling those which prevailed in Great Britain during the Ice Age, and were responsible for many of the features to be found in the mountainous regions of these islands. Secondly, the raised beaches and river terraces will be examined and an attempt made to correlate them with those of northwest Europe. Members of the party are: L. H. McCabe, leader and geomorphologist; M. B. Adams, R.E., surveyor; W. G. V. Balchin, geomorphologist; W. B. Harland, geologist; P. M. M. Pritchard, in charge of medical stores; N. Pye, surveyor.