NEWS *and Notes*

A part of the annual exhibition of the Photographic Society of America has, for the past two years, been devoted to a section showing scientific and technical photographs. At the 1946 meeting of the Association more than 200 such prints were hung in the section, and about 50 of these were selected and made available to technical societies, camera clubs, etc. This year the annual meeting and exhibition will be held in Oklahoma City. Readers of *Science* who wish to submit prints for the technical section should secure complete information from W. F. Swann, 343 State Street, Rochester 4, New York. The final date for receipt of prints is September 8. Subject matter for the section may cover any phase of technical photography except pictorial photographs of technical and mechanical operations. Both black-and-white and color photographs are acceptable, and there is no limit to the number of prints which may be submitted by any one individual.

Section Q (Education) especially desires that reports of research evaluating the educational product of the present generation as compared with earlier ones be presented at the Chicago meetings. A limited number of papers on other topics will be considered. Those wishing to submit papers should send them to D. A. Worcester, Secretary of the Section, University of Nebraska, Lincoln 8, Nebraska.

About People

H. J. Muller, professor of genetics, University of Indiana, and Nobel Prize winner in physiology and medicine, has been elected a trustee of the Worcester Foundation for Experimental Biology, Shrewsbury, Massachusetts.

Russell A. Huggins, assistant professor of pharmacology, University of Georgia Medical School, has been appointed associate professor of pharmacology, Baylor University College of Medicine, and will assume his duties there on July 1.

Wendell F. Hess, head of the welding laboratory, Rensselaer Polytechnic Institute, has been appointed head, Department of Metallurgical Engineering, to succeed Matthew A. Hunter, who will continue as dean of the faculty.

Dennistoun W. Ver Planck, professor of electrical engineering, Carnegie Institute of Technology, has been appointed professor of mechanical engineering and head, Department of Mechanical Engineering, effective September 1. Dr. Ver Planck will assume the position last held by Willibald C. L. Trinks, who retired in 1943.

Stanhope Bayne-Jones has resigned as professor of bacteriology, Yale University, and director, Board of Scientific Advisers, The Jane Coffin Childs Memorial Fund for Medical Research, to become the first president of the Joint Administrative Board, New York Hospital-Cornell Medical Center. After July 1 Dr. Bayne-Jones will maintain offices at 525 East 68th Street, New York City.

Alfred Gilman, College of Physicians and Surgeons, Columbia University, gave the annual Alpha Omega Alpha Lecture at Western Reserve University School of Medicine, on the topic, "The Contributions of Chemical Warfare Research to Medicine."

Edward U. Condon, director, National Bureau of Standards, and **Detlev W. Bronk,** chairman, National Research Council, have been appointed members of the scientific advisory committee of the Brookhaven National Laboratory.

Howard S. Gardner, associate professor, and chairman, Department of Chemical Engineering, University of Rochester, has been appointed director of research and development, Fibreboard Products, Inc., San Francisco. Dr. Gardner will head the firm's new Research and Development Division to be established in Antioch, California.

Russell E. Teague has been assigned to the Henry Phipps Institute of the University of Pennsylvania by the Tuberculosis Control Division of the U. S. Public Health Service, where he will serve as assistant director of the Institute and assistant professor of public health in the University. Dr. Teague will continue as consultant on tuberculosis for District No. 1, U. S. Public Health Service.

Visitors to U. S.

E. C. Marais, of the National Physical Laboratory (South African Council for Scientific and Industrial Research), arrived in Washington, D. C., June 16. Dr. Marais is to work at the National Bureau of Standards.

Alan Robertson, of the Agricultural Research Council's National Animal Breeding Research Organization, and Mrs. Robertson are visiting the United States. Dr. Robertson, traveling under a research fellowship, will study the latest techniques in animal genetics.

T. Goodey, Institute of Agricultural Parasitology, London School of Hygiene and Tropical Medicine, has arrived in the United States to spend three months observing U. S. research in nematology. Dr. Goodey is visiting this country on a traveling research fellowship awarded by the Ministry of Agriculture.

E. T. Jones, of the Welsh Plant Breeding Station, will visit the United States and Canada under a Ministry of Agriculture traveling fellowship to study application of newer techniques of plant breeding.

Colleges and Universities

Massachusetts State College, Amherst, in May became the University of Massachusetts. This change in name is the third since the institution was founded in 1863. On the 700-acre campus in Amherst are five schools and three divisions in the undergraduate college, a graduate school which has been organized as a separate unit since 1908, and a two-year school of agriculture. A $3,000,000 building program, now in progress, includes new dormitory projects, a new physics building, a school of home economics, an animal pathology laboratory, and classroom buildings.

Charles University, Prague, Czechoslovakia, has opened a new Department of Parasitology and Protozoology which is headed by Otto Jírovec. The Department, located at Praha II, Viničná Nr. 7, has published 10 scientific works in Czech, Swiss, and English journals since the end of the war. At present, research

work is being done on the chemotherapy and epidemiology of *Trichomonas vaginalis* and on the epidemiology of Leptospirosis. In addition, the Department may be called upon for all diagnostic work on parasitic diseases of the country. Dr. Jírovec reports that the Department still lacks modern parasitological literature and would appreciate receiving such literature, especially in the form of reprints.

Meetings

Centenary Celebrations of the Chemical Society, London, the oldest chemical society in the world, will be attended on July 15–17 by representatives of about 20 countries. The American Chemical Society, the world's largest, is sending as its official delegates its president, W. A. Noyes, Jr.; its president-elect, C. A. Thomas; and its secretary, A. H. Emery. Also representing the United States will be Marston T. Bogert, president of the International Union of Chemistry, and Linus Pauling, one of the Society's Honorary Fellows.

The Tri-State Field Conference, participants in which are the staff members and graduate students of the various universities, colleges, and State Geological Surveys in Wisconsin, Iowa, and Illinois, will be held early in October. W. H. Twenhofel, professor of geology, University of Wisconsin, will lead the group on a two-day trip through the Silurian of eastern Wisconsin. Further information may be obtained through L. M. Cline, Department of Geology, University of Wisconsin, Madison 6, Wisconsin.

The annual Field Conference of Pennsylvania Geologists, held at Lehigh University May 30–June 1, was attended by about 80 geologists from Pennsylvania and neighboring states. An afternoon field trip was conducted on May 30 by Lawrence Whitcomb and H. R. Gault to the abandoned zinc mines of the Saucon Valley and to an area of Triassic basic intrusives south of Bethlehem. On May 31 the Conference participated in an all-day field trip up the valley of the Lehigh River. This trip, led by Bradford Willard and Lawrence Whitcomb, covered the entire Paleozoic sequence from the pre-Cambrian into the coal measures. In addition to the stratigraphic sequence, the physiographic and structural features were discussed and a visit was made to Wild Creek Reservoir, which supplies the water for the City of Bethlehem.

Two alternate trips were offered on the morning of June 1. Prof. Willard led a party to the Delaware Valley to observe the Triassic fanglomerates and their relation to the Paleozoics there, while Prof. Whitcomb conducted a trip to the Spitzenberg, about 25 miles west of Bethlehem, for the purpose of observing its peculiar stratigraphy and discussing its bearing upon certain physiographic problems.

A dinner was held at the University on the evening of the 31st. At a business meeting the previous evening, it was unanimously voted to accept the invitation of S. H. Cathcart, director of the Pennsylvania Bureau of Topographic and Geologic Survey, to hold the 1948 meeting at Harrisburg.

Bradford Willard, head, Department of Geology, Lehigh University, was chairman of the 1947 meeting.

An International Short Wave Congress, one of the first international medical congresses since the end of the war, will be held in Amsterdam, July 19–24, 1948. Biologists and physicists in the field of short-wave therapy who are interested in submitting papers are invited to communicate with H. Th. Boersma, Secretary of the Foreign Correspondence Department, Meyendelscheweg 2, Wassenaar, The Netherlands. Manuscripts must be in the hands of the principal secretary, Dr. J. Samuels, Weteringschans 73, Amsterdam, before April 15, 1948.

Members of the board responsible for direction of the Congress are: W. Beaumont, London; A. Gjertz, Stockholm; C. Guarini, Naples; D. Kobak, Chicago; W. Kowarschik, Vienna; P. Liebesny, New York; J. Meyer, Paris; L. Rósa, Budapest; J. Saidman, Paris; J. Samuels, Amsterdam; F. Scheminzky, Innsbruck; and E. Schliephake, Würzburg.

Recent Deaths

George Eric Macdonnell Jauncey, 58, professor of physics, Washington University, St. Louis, Missouri, died May 19 at his home in St. Louis. Dr. Jauncey, who had been a member of the physics staff since 1920, was well known as an authority in the field of X-ray scattering.

Alice Cary Atwood, 70, formerly botanical bibliographer, U. S. Department of Agriculture Library, co-author of *Geographical guide to floras of the world* and largely responsible for the development of the Botanical Subject Catalog in the Library, died in Washington on May 20.

Warren H. Meeker, 79, professor and head of the Department of Mechanical Engineering, Iowa State College, from 1907 to 1934, died May 30 in Mary Greeley Hospital in Ames.

Eben J. Carey, 57, dean, Medical School, Marquette University, died June 5 of a liver infection in Columbia Hospital, Milwaukee, Wisconsin.

James Henri Walton, 69, professor of chemistry, University of Wisconsin, since 1919, and a member of the Department of Chemistry since 1907, died June 6 after an extended illness.

Karol Bohdanowicz, 82, director of the National Geological Institute, Warsaw, Poland, died June 7.

Arthur D. Emmett, 68, formerly assistant director, Research Laboratories, Parke, Davis & Company, died of pneumonia June 11, in Jennings Hospital, Detroit, Michigan.

The Naval Engineering Experiment Station, Annapolis, Maryland, has added to its Engineering Council a statistician to advise the director and various laboratory superintendents in the utilization of modern statistical techniques, and to perform statistical analyses as necessary. This program, introduced by Adm. D. H. Clark and having the support of the new director, Capt. W. D. Leggett, Jr., is the first of its kind installed in Bureau of Ships laboratories. Miss Besse B. Day, formerly of the Applied Physics Laboratory, Johns Hopkins University, has been appointed to the position.

The staff of the Philippine Fishery Rehabilitation Program of the U. S. Fish and Wildlife Service left San Francisco, California, early this month aboard the *Spencer F. Baird* and the *Theodore N. Gill*, recently commissioned research vessels. This program, one aspect of the provisions of the Tydings Act (Public Law 370 of the 79th Congress), is designed to continue to June 30, 1950 and will be concerned with biological, oceanographic, and technological problems connected with the revival of the large Philippine fish industry.

Offices and the main laboratories are established in Manila, but a forwarding agent will be maintained in San Francisco. The address of the project will be: % Philippine Fishery Program, U. S. Fish and Wildlife Service, 100 Old Mint Building, Fifth and Mission Streets, San Francisco 3, California.

The scientific program is divided into two main subdivisions, one involving biological and oceanographic studies and another for technological research.

The scientific staff of the biological and oceanographic program includes: Herbert E. Warfel, aquatic biologist, formerly with the Bingham Oceanographic Laboratory, Yale University, in charge of biological and oceanographic investigations; Albert W. C. T. Herre, former curator of Ichthyology, Stanford University, consulting ichthyologist assigned to complete a check-list of Philippine fishes; Joseph Goodman, lately with the Department of Aviation Medicine, University of California School of Medicine, and formerly with the California Academy of Science, oceanographic chemist and chief-of-party on the *Spencer F. Baird*; William E. Wood, recently with the Scripps Institution of Oceanography and formerly with the Woods Hole Oceanographic Institution, physical oceanographer on the *Spencer F. Baird*; Earl S. Herald, lately ichthyologist of Operation Crossroads, U. S. Army, Washington, D. C., and one-time biologist with the California Fish and Game Department, biologist on the *Spencer F. Baird*; Charles B. Wade, until recently district biologist with the Central Valley Fisheries Studies of the U. S. Fish and Wildlife Service, Antioch, California, and one-time curator of Fishes at the Allan Hancock Foundation, University of Southern California, biologist on the *Spencer F. Baird*; Donald E. Kauffman, formerly fisheries biologist with the Salmon Division, Libby, MacNeill and Libby, Seattle, Washington, biologist and chief-of-party on the *Theodore N. Gill*; Ralph E. Jentoff, recently teaching fellow in the Department of Chemistry, University of Washington, Seattle, chemist on the *Theodore N. Gill*; William F. Carbine, formerly biologist with the Michigan Institute of Fisheries Research, Ann Arbor, biologist and chief-of-party in pond-fish research; Gilbert E. Wardwell, formerly with the Waterfowl Depredation Program of the U. S. Fish and Wildlife Service, Sacramento, California, biologist in pond-fish research; and Edward E. Cowles, lately an instructor in chemistry at Aberdeen Junior College, Aberdeen, Washington, chemist in charge of the shore laboratory.

The technological personnel of the program comprises: John A. Clague, formerly manager of the Food Engineering Division, Maxson Food Systems, Queens Village, New York, and biochemist with the National Canners Association, in charge of technological and bacteriological studies; William Hamm, formerly in charge of the Puerto Rico Fisheries Technological Laboratory of the Fish and Wildlife Service and lately with the Boston Laboratory of the same service, in charge of studies on fresh and processed fish; Robert Berueffy, formerly with the Ketchikan Laboratory of the Fish and Wildlife Service, Ketchikan, Alaska, in charge of vitamin and reduction investigations; William Arcisz, formerly in the Fish and Wildlife Service Laboratory, College Park, Maryland, bacteriologist; Arthur C. Avery, recently carrying on food research at the University of Massachusetts, Amherst, assistant in processing studies; Robert K. Pedersen, recently technologist with the State Department of Fisheries, Seattle, Washington, assistant in processing studies; Charles Rogers, formerly with the Feed and Fertilizer Laboratory, University of Massachusetts, assistant in vitamin studies; and Harry Hinkle, formerly with the Market News and Development Office of the Fish and Wildlife Service at San Pedro, California, fisheries economics.

The U. S. Atomic Energy Commission has announced that concentrated Boron 10 is available in a limited quantity for general distribution. Boron 10 will be packaged for shipment in the form of the solid complex boron trifluoride-calcium fluoride. The complex contains 6.9 per cent elemental boron, of which 96 per cent is B^{10}. Approximately 6.5 grams of $BF_3 \cdot CaF_2$ are needed to obtain one liter of BF_3 at normal temperature and pressure (assuming 100 per cent liberation). The boron trifluoride may easily be released as a gas by heating to temperatures above 260°C. in a vacuum. Organic vapors and air released from the complex during heating will be present in the BF_3 and will have to be removed in processing material for use in neutron counters. Information on a process which has proved satisfactory for the distillation of BF_3 from the complex will be available after July 1, 1947.

The price of $BF_3 \cdot CaF_2$ complex is $2 per gram independent of quantity. Shipping charges (express or postage) will be added to the invoice. There is no additional handling fee per shipment. Standard units of 1, 5, 10, and 50 grams have been packaged in glass containers with moisture-proof plastic screwtops.

An allocation of B^{10} may be applied for by submitting a completed "Stable Isotope Request," AEC Form 100, in quadruplicate to the U. S. Atomic Energy Commission, Oak Ridge, Tennessee, Attention: Isotopes Branch. Requests will be carefully reviewed and allocations will be restricted to reasonable quantities for the proposed investigation. Clinton Laboratories, Monsanto Chemical Company, P. O. Box 1991, Knoxville 11, Tennessee, will act as the supplier.

The National Bureau of Standards has developed a new method for isotope separation known as countercurrent electromigration, which makes use of the difference in the ionic mobilities of the isotopes of an element. It has been developed to a point where it can be used as a practical means of separating ionic species in general. The main advantage of this method over alternative methods is the simplicity of the apparatus. Isotopic separation takes place in a single step without the need of a vacuum system, and with automatic controls the system becomes entirely self-regulating. The process has the added convenience of being well adapted to use with many elements which may easily be obtained in ionic solutions.

Make Plans for—

Fifth International Pediatrics Congress, July 14–17, Waldorf-Astoria Hotel, New York City.

American Veterinary Medical Association, August 18–21, Cincinnati, Ohio.

American Pharmaceutical Association, August 24, Milwaukee, Wisconsin.

American Society of Mammalogists, August 24–27, Higgins Lake, Michigan.

American Institute of Electrical Engineers, Pacific General Meeting, August 26–29, San Diego, California.