

NEWS and Notes

An additional announcement from AAAS Council through F. R. Moulton, administrative secretary, names the following vice-presidents of the Sections for 1947: Mathematics (A), Robert Lee Moore, University of Texas; Physics (B), Merle A. Tuve, Carnegie Institution of Washington; Chemistry (C), Farrington Daniels, University of Wisconsin; Astronomy (D), Dean B. McLaughlin, University of Michigan; Geology and Geography (E), Marland P. Billings, Harvard University; Zoological Sciences (F), Franz Schrader, Columbia University; Botanical Sciences (G), W. F. Loehwing, University of Iowa; Anthropology (H), Wilson D. Wallis, Heathside Inn, Craftsbury Common, Vermont; Psychology (I), Edna Heidbreder, Wellesley College; Social and Economic Sciences (K), Frederick Stephan, Cornell University; History and Philosophy of Science (L), F. S. C. Northrop, Yale University; Engineering (M), Gordon M. Fair, Harvard University; Medical Sciences (N), E. V. Cowdry, Washington University Medical School; Agriculture (O), William H. Alderman, University of Minnesota; and Education (Q), W. A. Brownell, Duke University.

Two members of the Executive Committee, elected for terms of four years, were George A. Baitsell and Kirtley F. Mather, according to the announcement which pointed out that the new constitution does not provide for elected members of the Council, although under the old constitution eight members of the Council were elected from the fellows of the Association, two each year for terms of four years. On recommendation of the Executive Committee, the Council voted that the eight members of the Council elected under the old constitution be continued until expiration of their terms.

About People

Mark F. Boyd will retire from the staff of the International Health Division, Rockefeller Foundation, at the end of January after 25 years of service. In 1931 he became director of the Malaria Research Station, Tallahassee, Florida, where he worked with naturally induced malaria.

Howard Lawton Knight, editor in chief of the *Experiment Station Record* of the U. S. Department of Agriculture, retired December 31 after 42 years of continuous service in the Department. He first went with the *Experiment Station Record* in 1906 when he was made assistant editor. He took part in the 1934 revision of *Webster's New International Dictionary*.

Martha C. Gundlach, who has prepared more than 50 indexes for the *Experiment Station Record*, retired at the same time as Mr. Knight.

Aaron Edwin Margulis was recently promoted to professor of bacteriology in the New York Post-Graduate Medical School and Hospital. The appointment, which follows the death of Ward J. MacNeal, carries the titles of executive officer of the Department of Bacteriology and director of the Hospital and Dispensary Services of Bacteriology.

Kenneth A. Norton has been made chief of the recently established Frequency Utilization Research Section of the Central Radio Propagation Laboratory, National Bureau of Standards. Mr. Norton rejoined the Bureau from the War Department where he served during the war as a consultant in radio propagation to the Chief Signal Officer and assistant director of W. L. Everitt's Operational Research Group.

George Tunell, on leave from the Geophysical Laboratory, Carnegie Institution, of Washington, until June 30, 1947, is serving as acting associate professor of mineralogy and metalliferous geology at the California Institute of Technology. The position was formerly occupied by H. J. Fraser, who resigned to become general manager of the Falconbridge Nickel Company.

Cdr. Horace C. Dudley was appointed head of the Biochemical Section, Naval Medical Research Institute, Naval Medical Center, Bethesda, Maryland, on his return to civilian status. During the war Cdr. Dudley served as an ammunition and explosive specialist and, more recently, was officer-in-charge, Naval Explosives Unit, for Operation Crossroads. Before the war Cdr. Dudley was with the National Institute of Health.

Ralph W. Lewis, on sabbatical leave as associate professor of biology from Michigan State College, will be at the

California Institute of Technology until July 1, conducting postdoctorate research under the direction of G. W. Beadle.

Albert Milzer, formerly research virologist, Samuel Deutsch Serum Center, has been appointed director of the Department of Bacteriology, Michael Reese Hospital, Chicago.

Gordon L. Walls was made an associate professor of physiological optics in the School of Optometry, University of California, Berkeley, effective January 1. Prior to this time, Dr. Walls was research associate with the Bausch & Lomb Optical Company.

I. Newton Kugelmass has been appointed consultant nutritionist to the Department of Health and the Department of Hospitals, New York City.

Courtland L. Butler, Jr., has been named chief of the Information Division, Technical Command, Edgewood Arsenal. Dr. Butler, previously with the Research and Development Division, Office, Chief Chemical Corps, Washington, has specialized in sugars and their derivatives and chemotherapy of pneumonia.

Robert Davis, Department of Psychiatry, University of Colorado School of Medicine, Denver, has been appointed associate professor of neuropsychiatry, University of Texas Medical Branch, Galveston, and assistant director of the Galveston State Psychopathic Hospital.

Charles S. Bridgman has been promoted from assistant professor to associate professor of physics and astronomy, at Ohio State University.

Thomas Sproston, Jr., formerly Massachusetts State College, has been appointed assistant professor of plant pathology, University of Vermont, and assistant plant pathologist, Vermont Agricultural Experiment Station.

B. E. Dahlgren, chief curator of the Botany Department, Chicago Natural History Museum, retired January 1. He will be succeeded by Theodor Just who joined the staff last August as associate curator. Mr. Dahlgren was a member of the Botany staff since 1909 and chief curator since 1924.

John N. Belkin has been appointed head of the Biology Department of Mohawk College, Utica, one of the Associated Colleges of Upper New York, opened this fall especially for veterans.

Dr. Belkin served 39 months in the U.S. Army, where he worked on malaria control in the Asiatic-Pacific theater, and also was Russian interpreter for Headquarters, Armed Forces Pacific Area Command.

Otto E. Guttentag, on temporary leave of absence from the University of California Medical School, has been appointed Consultant in Medical Education in Germany. His address for communications dealing with problems of medical education in Germany is: Otto E. Guttentag, Higher Education and Teacher Training Section, OMGUS, A.P.O. 742, c/o P.M., New York, New York.

H. Radclyffe Roberts, assistant curator of Insects, and member of the Scientific Council and Board of Trustees of the Academy of Natural Sciences, Philadelphia, has been appointed managing director, it has been announced by Charles M. B. Cadwalader, president. Dr. Roberts, with the Academy for about 20 years, served during the war in the Medical Department of the Army and with Edward S. Ross, California Academy of Sciences, produced the mosquito atlas used by the armed forces in combating malaria. He has collected and made field studies in Africa, New Guinea, the Philippines, Hawaii, Mexico, Trinidad, as well as the United States.

Joseph P. Weinmann, Loyola University School of Dentistry, has been appointed associate professor of histology, University of Illinois College of Dentistry.

Grants and Awards

Scientists of all countries have been invited to compete in the next four years for prizes totaling \$40,000, a fund established by the Sugar Research Foundation and administered by the National Science Fund, National Academy of Sciences. Established to stimulate scientific studies of sugar as a food and industrial raw material, awards of \$5,000 will be given in 1947, 1948, and 1949, with a grand prize of \$25,000 in 1950 for the most significant discovery of the preceding five years, Harlow Shapley, chairman of the National Science Fund announced. Winners of the preliminary awards are also eligible for the grand prize.

In discussing rules governing the award, Dr. Shapley remarked that 44 projects dealing with physiological, chemical, and industrial aspects of sugar

and its derivatives are being sponsored at universities under the direction of Robert C. Hockett, scientific director, Sugar Research Foundation, through grants-in-aid of more than \$500,000. The Foundation, supported by sugar producers and processors of the United States, Cuba, Canada, Puerto Rico, and the Dominican Republic, has been engaged since its formation in 1943 in collating and publishing existing information about sugar.

Entries for the 1947 prize must be in the hands of the Executive Secretary of the National Science Fund, National Academy of Sciences, Washington 25, D. C., no later than February 1.

Members of the Advisory Committee in charge of recommendations for the award include: A. Baird Hastings, Harvard University; Charles F. Kettering, General Motors Corp.; Carl S. Marvel, University of Illinois; Edmund W. Sinnott, Yale University; William C. Stadie, University of Pennsylvania; and Vincent du Vigneaud, Cornell University Medical College. The 1946 prize was awarded recently to W. Z. Hassid, H. A. Barker, and M. Doudoroff, University of California, for the enzymatic synthesis of crystalline sucrose.

The Committee on Scientific Research of the American Medical Association has made the following grants for 1947:

Wesley Spink, University of Minnesota, brucellosis; Catharine Macfarlane, Women's Medical College of Pennsylvania, value of periodic pelvic and breast examinations for cancer; L. R. Cerecedo, Fordham University, vitamin B deficiencies in rats and mice; Reuben Mokotoff, Montefiore Hospital, New York, relation to edema of renal clearance in congestive heart failure; James H. Leatham, Rutgers University, antihormones; George Sayers, University of Utah, pituitary adrenocorticotrophic activity; Paul F. Hahn, Vanderbilt University, radioactive manganese in Hodgkin's disease, Leukemia, lymphoma; Bernard N. E. Cohn, National Jewish Hospital, Denver, experimental bone tuberculosis; Harold J. Harris, New York, diagnosis and treatment of brucellosis; Rollin A. Daniel, Jr., and F. T. Billings, Vanderbilt University, atabrine in the treatment of tuberculosis; Hans Popper, Cook County Hospital, Chicago, morphology of the liver in relation to function; Frederick H. Howard, Lincoln Hospital, New York, vectocardiographic research; Archie R. Tunturi, University of Oregon, acoustic system of the dog; Hovey Jordan, University of Vermont, project method in the teaching of histology; Rachmiel Levine, Michael Reese Hospital, Chicago, secretion and

metabolism of progesterone in threatened abortion; A. M. Lassek, Medical College of South Carolina, degenerative phenomena in the pyramidal tract.

Colleges & Universities

Zoologisches Institut, Universität, Vienna I, Austria, was three-fourths destroyed, but the collection and library are almost completely preserved, according to a letter from Felix Mainx, formerly assistant professor of plant physiology and genetics at the German University of Prague, and now at the Institut. Technical equipment and genetic material were lost, and current literature is lacking. Reprints on genetics and plant physiology sent to the above address would be appreciated, the letter indicates.

B. F. Skinner, professor of psychology, University of Indiana, will be William James Lecturer in Psychology at Harvard University during the fall term of 1947. Prof. Skinner, fifth psychologist to hold the appointment, will discuss the psychological analysis of verbal behavior in a series of 10 weekly lectures. During the period he will also offer a graduate seminar on the principles of behavior.

Previous William James Lecturers in Psychology have been John Dewey, Wolfgang Köhler, Kurt Goldstein, and E. L. Thorndike.

The new Research Division, Department of Student Life, College of the City of New York, is engaged in an intensive study of the effectiveness of entrance examinations, the results of which will be published by Frank K. Shuttleworth, director of the Division.

The University of Minnesota has accepted a gift of \$15,000 to establish the Conway MacMillan Memorial Research Fellowship in Botany and has chosen as first recipient of the \$1,200 annual award A. Stanley Holt, graduate student at the University of Minnesota working on the evolution of oxygen by chloroplasts in the presence of oxidizing agents. The gift was presented by Charles J. Brand, former student of Prof. MacMillan and for many years active in the U. S. Department of Agriculture and the trade association field. The donor provides that the principal sum and the interest be spent in 15 years.

Prof. MacMillan was for almost 20 years head of the Department of Botany, University of Minnesota, beginning in

1887, and an active teacher, writer, and researcher in his field. In 1899, according to the donor, he originated the idea of popping other grains as popcorn is popped, a process later patented by a colleague, who continued the experimentation.

The research fellowship is available annually to doctoral students in botany who have their Master's degrees from the University of Minnesota or institutions of similar standing. In the terms of the gift, special mention is accorded those from the University of Chile and the Catholic University of Chile.

Instituto de Pesca del Pacífico has been founded at Guaymas, Sonora, Mexico (Apartado Postal No. 34), according to René Núñez, who has begun research there on the biology and fisheries of the Mexican west coast. Señor Núñez studied at Stanford University under a Fish and Wildlife Service fellowship.

Meetings

The American Academy of Oral Pathology will hold its first annual meeting at the Stevens Hotel, Chicago, February 9. The Academy, organized to promote interchange of ideas in oral pathology, advance sound scientific procedures in clinical dentistry, and stimulate research and teaching, was organized by the Registry of Dental and Oral Pathology of the American Dental Association at the Army Institute of Pathology. Applications for membership may be made through the secretary, Lt. Col. Joseph L. Bernier, Army Institute of Pathology, Washington 25, D. C.

More than 40,000 metal scientists, engineers, and executives are expected to attend the fifth Western Metal Congress and Exposition to be held in the two Oakland, California, Civic Auditoriums in the San Francisco-Oakland area for six days beginning March 22.

Sixteen western divisions of the following technical societies are actively cooperating in the activities of the Congress: American Society for Metals, sponsors of the event; American Chemical Society; American Foundrymen's Association; American Industrial Radium and X-Ray Society; American Institute of Mining and Metallurgical Engineers; American Institute of Electrical Engineers; American Society for Testing Materials; American Society of Tool

Engineers, Inc.; American Welding Society; Mining Association of California; Northwest Electric Light and Power Association; Pacific Coast Electric Association; Purchasing Agents Association of California, Inc.; Society of Automotive Engineers; Western Oil and Gas Association; and the American Petroleum Institute.

Further information may be obtained from W. H. Eisenman, managing director, W.M.C.E., Hotel Leamington, Oakland, California.

Alpha Epsilon Delta, national honorary premedical fraternity, in cooperation with the University of Louisville will bring together faculty members from more than 100 colleges and universities at a conference on premedical education in Louisville February 21-22. The program, for institutions in Indiana, Illinois, Kentucky, Michigan, and Ohio, will include one session on the basic sciences and another on social sciences and humanities in relation to medical education. Inquiries may be addressed to Dr. Hugh E. Setterfield, School of Medicine, Ohio State University, Columbus 10, Ohio.

The Natural Resources Council of America was organized at Mammoth Cave, Kentucky, October 25-26, "to advance attainment of sound natural resource management in the public interest," according to Howard Zahniser, representing the Wilderness Society. The functions of the Council as set forth in a program adopted unanimously at the October meeting "shall be to effect closer cooperation and coordination of member organizations . . . make available to member organizations scientific data and other information to aid them in intelligent determination of conservation problems."

Organizations represented at the meeting were National Audubon Society, Friends of the Land, Wildlife Management Institute and American Wildlife Foundation, American Nature Association, Ecological Society of America and Limnological Society of America, Izaak Walton League of America, National Wildlife Federation, National Parks Association, and the Wilderness Society.

Elections

The Emory Chapter of Sigma Xi, Emory University, Georgia, has elected the following officers for 1947: Howard M. Phillips, president; James L. Mor-

ison, vice-president; Charles T. Lester, treasurer; A. C. Munyan, custodian; and Robert Lagemann, secretary.

The American Mathematical Society at its annual meeting in Swarthmore, Pennsylvania, December 28, elected Einar Hille, Yale University, president; P. A. Smith, Columbia University, vice-president; J. R. Kline, University of Pennsylvania, secretary; T. R. Hollcraft, Wells College, associate secretary; and B. P. Gill, College of the City of New York, treasurer.

[The Genetics Society of America] has elected the following officers for 1947: H. J. Muller, president; L. H. Snyder, vice-president; and M. R. Irwin, secretary-treasurer.

Shell Development Research Club, affiliated with Sigma Xi, elected for 1947, Fred H. Stross, chairman; Harold T. Byck, past chairman; Robert G. Larsen, chairman-elect; Bradford P. Geyer, secretary; and T. Kirk Miles, treasurer.

The Botanical Society of Washington, D. C., has elected the following officers for 1947: Harry R. Fulton, president; Eugene A. Hollowell, vice-president; Elmer C. Stevenson, recording secretary; Anna E. Jenkins, corresponding secretary; Wilbur D. McClellan, treasurer; Lee M. Hutchins and Ronald Bamford, counsellors; John A. Stevenson, archivist; and L. Edwin Yocum, representative to the Washington Academy of Sciences.

The U. S. Department of Agriculture announced on November 25 the successful commercial application of its development for making bristles from casein. Louis B. Howard, chief of the Bureau of Agricultural and Industrial Chemistry, stated that research on the new product was initiated four years ago at its Eastern Regional Research Laboratory, Philadelphia, to find a suitable substitute for imported natural bristle. The artificial fiber, developed by Thomas L. McMeekin and associates, attracted the interest of numerous companies, and one of these, The Rubberset Company of Newark, is opening a new factory at Salisbury, Maryland, for the manufacture of casein bristle and brushes, using the process developed by the Department scientists. The artificial bristle is made by

extrusion of a mixture of casein and water through a suitable die, after which it is subjected to finishing operations. The final product is round in cross-section and has a black color comparable to that of horsehair or pig bristle. Like other artificial fibers, it can be produced in any length desired and in a range of diameters. Of many possible uses, the bristle is particularly adapted to the construction of paint brushes, since it is resistant to oils and organic solvents.

The National Registry of Rare Chemicals, Armour Research Foundation, 35 West 33rd Street, Chicago 16, Illinois, indicates that the following chemicals are needed: 4-bromomethylazobenzene; 2-hydroxyhexyl aldehyde; 2-hexen-1-ol; pulegone; thujone; tetrabromo-xylene; 1,3-pentanediol; cyclobutadiene; 3-amino-2,4-dimethylbenzoic acid; aluminum borotartarate; indican; stearolic acid; behenolic acid; d-camphor; 1-menthol; carbonyl cyanide; di-o-tolyl zinc; 2,2',2"-tripyrindyl; 1,1,1,2,3-pentachloroisobutane; 1,1,2,3-tetrachloroisobutane. Communications regarding these should be directed to the Registry at the address given above.

Chronica Botanica has recently issued its first monthly newsletter supplement, *Biologia*, designed to report quickly on biological developments of professional and international interest. The format of *Biologia* is based on a copy of the Massachusetts Centinel of 1786. The newsletter, which will carry short items rather than discussions or articles, will be sent to subscribers of *Chronica Botanica* free and is available to others at the rate of \$4.00 for two years.

The U. S. Civil Service Examiners, Philadelphia Quartermaster Depot, have announced examination for the position of chemist, salary range \$4,902 to \$7,102, for duty at the Philadelphia Quartermaster Depot and other agencies in the Third Civil Service Region. Duties of the positions involve chemical research and development. Applicants, who will be rated on the basis of their experience and training, must submit applications to the Executive Secretary, Board of U. S. Civil Service Examiners, 2800 S. 20th Street, Philadelphia 45, Pennsylvania, not later than February 6.

The Chicago Natural History Museum is currently showing "The Incas," an exhibit of 32 large photographs by Frank Scherschel, photographer for

Life, who spent many weeks in Peru exploring and photographing traces of the Inca civilization. The exhibit, recently displayed at the New York American Museum of Natural History and the Metropolitan Museum of Art, will continue in Chicago through January 19.

The photographs were taken for the most part in the Urubamba Valley and include the ruins of Fort Sacsahatman, the hillside village of Winay Wayna, explored in 1941, Ollantaytambo, and Machu Picchu. Thirteen of the panels are devoted to Machu Picchu, one of the best preserved of the Inca cities.

Mendel's manuscript, "Versuche über Pflanzen Hybriden," it is reported, was removed from the Natural History Society, Brno, Czechoslovakia, by a German professor at the time of the Russian occupation. The report comes from Herbert C. Hanson, chief, Agricultural Division, UNRRA Mission to Czechoslovakia, who, in communication with Dr. Jaroslav Kříženecký, Zootechnical Research Institute and College of Agriculture, Brno, learned that Otto Richter, German professor who took over the chair of plant physiology in the Masaryk University and assumed charge of the quarters of the Natural History Society, carried Mendel's manuscript about with him in his briefcase. When the Germans evacuated, Richter disappeared and, it is thought, took the manuscript with him to Germany or Vienna. To date, though search has been made, it has not been found.

The manuscript had been at the Natural History Society in Brno since 1910, when it was found by Prof. Hugo Iltis in a wastepaper basket in the library of the Society.

Recent Deaths

Edgar Lee Hewett, 81, archaeologist, died December 31 at Albuquerque, New Mexico, where he was director of the Museum of New Mexico at the time of his death. Since 1906 Dr. Hewett had been director of American research for the Archaeological Institute of America; since 1907, director of the American School of Archaeology, now the School of American Research, and president of its Executive Board since 1930. Between 1923 and 1930 he took part in expeditions in Palestine, Syria, Arabia, Mesopotamia, Morocco, Algeria, Tunisia, and the Sahara. He also directed

excavations in Guatemala and the southwestern United States.

Eugene Charles Rowe, 76, formerly head of the Department of Psychology and Education, Central State Teachers College, Mt. Pleasant, Michigan, died at St. Petersburg, Florida, December 31.

Johann Georg Koenigsberger, 71, professor emeritus, University of Berlin, died December 3 in Freiburg, Breisgau.

Princeton Bicentennial

A conference on the "Problems of Mathematics," one of a series in celebration of the bicentennial of the founding of Princeton University, was held at Princeton December 17-19. There were, in addition to local mathematicians, 76 other participants, 12 of whom came from outside the United States.

The conference was organized in the form of nine round tables on various subjects, with the discussion oriented as far as possible toward formulation of problems for future work. The sessions were as follows: Algebra—chairman, E. Artin; reporter, G. P. Hochschild; discussion leaders, G. Birkhoff, R. Brauer, N. Jacobson; Algebraic Geometry—chairman, S. Lefschetz; reporter, I. S. Cohen; discussion leaders, W. V. D. Hodge, O. Zariski; Differential Geometry—chairman, O. Veblen; reporter, C. B. Allendoerfer; discussion leaders, V. Hlavatý, T. Y. Thomas; Mathematical Logic—chairman, A. Church; reporter, J. C. C. McKinsey; discussion leader, A. Tarski; Topology—chairman, A. W. Tucker; reporter, S. Eilenberg; discussion leaders, H. Hopf, D. Montgomery, N. E. Steenrod, J. H. C. Whitehead; New Fields—chairman, J. von Neumann; reporter, V. Bargmann; discussion leaders, G. C. Evans, F. D. Murnaghan, J. L. Synge, N. Wiener; Mathematical Probability—chairman, S. S. Wilks; reporter, J. W. Tukey; discussion leaders, H. Cramér, J. L. Doob, W. Feller; Analysis—chairman, S. Bochner; reporter, R. P. Boas; discussion leaders, L. V. Ahlfors, E. Hille, M. Riesz, A. Zygmund; Analysis in the Large—chairman, M. Morse; reporter, M. Shiffman; discussion leaders, R. Courant, H. Hopf. It is planned to issue shortly a descriptive pamphlet, and later a more complete monograph, covering the work of the conference. The monograph will contain an extensive list of the problems proposed.