

# NEWS and Notes

The Association regrets to announce the death of Burton E. Livingston on Sunday, February 8, in Johns Hopkins Hospital. Dr. Livingston was elected part-time permanent secretary of the Association in 1920 and served in this capacity until 1930. The following year he became general secretary, continuing as such until 1934. From 1940 to 1943 he was chairman of the Executive Committee. His term as a member of the latter committee expired at the end of December 1946. The Association's work was advanced notably during the long period in which he served it in so many different ways.

A crystallization of vitamin K on a microscope slide is portrayed on this week's cover. The crystals, prismatic rods, show twinning along the rod axis, the polarization colors changing abruptly within the crystals (shown by gray and white areas). The preparation was made in a purity determination in which the presence or absence of impurity is judged by the amount of liquid or solid foreign material observed as the vitamin K crystals grow from the melt. The appearance of the crystals, obtained in this manner, allows ready identification of vitamin K, its characteristics having been previously established.

The Armour Research Foundation is sponsoring a project, to be called the Crystallographic Center, the aim of which is to determine, check, and publish crystallographic data on a large number of chemical compounds

in order that such identifications may be made. Over 100 prominent crystallographers, many of them from abroad, have indicated a desire to cooperate in the program, and with their aid the conventions for the descriptions are being established. Descriptions will appear regularly in *Analytical Chemistry*, beginning with the March issue. Completed data will be available on punched cards.

Further information may be obtained from W. C. McCrone, Jr., assistant chairman of Chemistry and Chemical Engineering Research, who is in charge of the program. A report on the progress of the Center since its establishment last September 1 will appear in the February 16 issue of *Chemical and Engineering News*. Plans are now being considered for a clinic on industrial applications of crystallography to be held at the Foundation in the summer of 1948.

## About People

Carl C. Lindegren, who has been associated with Washington University, St. Louis, since 1942, has been appointed research professor and chairman of the Department of Biological Science and Research, Southern Illinois University, Carbondale, where he will give a course on the genetics of microorganisms and continue his research on yeast genetics. This work is supported by grants from Anheuser-Busch, Inc., the U. S. Public Health Service, the American Cancer Society, and Southern Illinois University. Yeast cultures of different mating types are available for distribution to those interested.

Other appointments to the newly created department include Mrs. Lindegren and Mrs. J. S. Rafalko as faculty assistants and Bessie Kawachi as research assistant.

Frederick R. Miller has been appointed research professor of neurophysiology at the University of Western Ontario, London, Canada.

H. J. Muller, Department of Zoology, Indiana University, was elected

in November to honorary foreign membership in L'Accademia Nazionale dei Lincei.

Fordyce Ely, professor of dairy husbandry, University of Kentucky, has been named chairman of the Department of Dairy Husbandry in the College of Agriculture, Ohio State University, to succeed W. E. Krauss, who became associate director of the Ohio Agricultural Experiment Station at Wooster on January 1. Dr. Ely will also be chief of the Department of Dairy Husbandry at the Experiment Station when its administration is merged with that of the College of Agriculture.

James H. McGillivray, who received his Master's degree in education from Wayne University in 1946, has gone to Bogota, Colombia, as assistant director of the U. S. Cultural Center there.

Robert Meredith Page, who will receive his Ph.D. degree in June from Harvard University, has been named assistant professor of biology at Stanford University, beginning with the fall semester.

## Colleges and Universities

The University of Illinois College of Engineering now has the largest faculty in its history, the addition last fall of nearly 150 new members bringing the total to 468. Appointments to the various professorial ranks included: as professor of physics, and dean of the graduate school of the University, Louis N. Ridenour; as visiting research professor in theoretical and applied mechanics, A. M. Freudenthal; as special research professor in ceramic engineering, W. R. Morgan; as professor of physics, A. T. Nordsieck; as part-time lecturer and research consultant in clay mineralogy in the Department of Civil Engineering, R. E. Grim, petrographer and principal geologist of the Illinois State Geological Survey; as associate professors, W. L. Hull, Everett Laitala, and L. C. Pigage (mechanical engineering), H. L. Langhaar (theoretical and applied mechanics), and Henry Quastler (radio-

biology, under physics); as assistant professors, G. F. Stockdale (ceramic engineering), L. G. Alexander (chemical engineering research), W. H. Munse, J. C. Dietz, E. R. Bretscher, and E. J. Daily (civil engineering), Thomas A. Murrell (electrical engineering), Harry Czyzewski (metallurgical engineering), and R. D. Hill and R. D. Rawcliffe (physics).

Additions to the teaching staff included: as associate and assistant professor, respectively, in aeronautical engineering, F. R. Stienbacher and Jacque Houser; as assistant professors in electrical engineering, D. S. Babb, J. R. Barkson, W. H. Byers, P. K. Hudson, J. P. Neel, and H. D. Webb; as assistant professor in mechanical engineering, R. N. McDonauld; and as professor in theoretical and applied mechanics, N. O. Myklestad.

Other staff members added included instructors, research associates, research assistants, and assistants. Numerous promotions were also made in the various departments.

**Wayne University's Department of Chemistry** and the International Society of the Friends of the Kresge-Hooker Scientific Library are sponsoring a symposium lecture series entitled "Frontiers in Chemistry." The program follows: February 17, Harold C. Urey, University of Chicago, "Thermodynamic Properties of Chemical Substances"; February 23, Icie Macy Hoobler, Children's Fund of Michigan, "Nutrition and Chemical Growth in Childhood"; March 1, David E. Green, Medical School, University of Wisconsin, "Biochemistry From the Standpoint of Enzyme Chemistry"; March 8, Louis P. Hammett, Columbia University, "Structure and Reactivity of Organic Compounds"; March 15, Melvin S. Newman, Ohio State University, "The Behavior of Organic Compounds in Sulfuric Acid Solution"; March 22, K. C. D. Hickman, Distillation Products, Inc., "The State of the Surface During Distillation"; March 29, Morris S. Kharasch and Otto Reinmuth, University of Chicago, "The Importance of Free Radicals and Chain Reactions to Organic Chemistry"; and April 5, Hugh S. Taylor, Princeton University, "Molecular Structure in

Fiber Systems." The lectures will be held at 7:00 P.M. in Room 314 of the main building at Wayne University. Graduate credit for the series is available to qualified persons desiring it, who should register as for any graduate course. Others interested may attend at a registration fee of \$5.00 for the entire series. Requests for noncredit registration cards should be addressed to Neil E. Gordon, Department of Chemistry, Wayne University, and checks made payable to Wayne University.

## Meetings

**A Colloquium of Naval Medical Research** is to be conducted under the auspices of the Medical Sciences Division, ONR, at the Naval Medical Research Institute, Bethesda, Maryland, on February 19-21. According to Rear Adm. P. F. Lee, Chief of Naval Research, the colloquium is planned in order that the various scientists engaged in biological and medical research in more than 75 educational and research institutions under contracts with ONR may have an opportunity to see the nature of the studies supported and to gain clearer insight into the Navy's interest in fundamental research. Presiding officers at the various sessions include Detlev Bronk, Leonard Carmichael, William S. McCann, and Eugene DuBois. The 30 half-hour papers on the program include such various fields as respiration, microbiology, radiobiology, sensory physiology, Arctic studies, psychology, and dentistry. One afternoon during the program will be devoted to a tour of laboratories of the Institute.

**The National Council of Teachers of Mathematics** will hold its 26th annual meeting at the Claypool Hotel, Indianapolis, Indiana, April 2-3.

Among the frontier thinkers in mathematics education who will appear on the program are A. J. Kempner, University of Colorado; C. V. Newsome, editor, *American Mathematical Monthly*; Phillip S. Jones, University of Michigan; F. W. Kokomoor, University of Florida; Guy T. Buswell, University of Chicago; Raleigh Schorling, University of Michigan; W. W. Rankin, Duke University; F. Lynwood Wren, George Peabody College for

Teachers; John R. Clark, Teachers College, Columbia University; Lois Knowles, University of Missouri; Philip Peak, Indiana University; Daniel W. Snader, University of Illinois; William Betz, Rochester Public Schools; Joseph A. Nyberg, Hyde Park High School, Chicago; Henry W. Syer, Boston University; Irene Sauble, Public Schools, Detroit; Mary Potter, Racine, Wisconsin; Virgil Mallory, Montclair, New Jersey; Rachel P. Kentston, Stockton High School, Stockton, California.

More than 50 topics are listed on the program. These range from "Elementary Arithmetic in an Activity Program" to "Coordinating High School and College Mathematics." Although topics concerning the philosophy of teaching mathematics have not been omitted, the emphasis seems to be on methods and special techniques in mathematics teaching. There will be a continuous showing of the latest visual aids in teaching mathematics.

Reservations may be made by writing directly to the Claypool Hotel, Indianapolis, Indiana.

## Elections

**The American Ethnological Society**, at its annual meeting on January 13 in New York, elected the following officers for 1948: Esther S. Goldfrank, Columbia University, president; Margaret Mead, American Museum of Natural History, 1st vice-president; Julian H. Steward, Columbia University, 2nd vice-president; Dorothy L. Keur, Hunter College, secretary-treasurer; and Marian W. Smith, Columbia University, editor. Burt W. Aginsky, College of the City of New York, Gordon Ekholm, American Museum of Natural History, and Carl Withers, New York City, were appointed directors.

**The Washington Academy of Sciences** has announced the following new officers: Frederick D. Rossini, president; C. Lewis Gazin, secretary; Howard S. Rappleye, treasurer; Francis M. Defandorf and William N. Fenton, members of the Board of Managers (to January 1951). Vice-presidents representing the affiliated societies are: Walter Ramberg, Philological Society of Washington; Wil-

liam N. Fenton, Anthropological Society of Washington; John W. Aldrich, Biological Society of Washington; Charles E. White, Chemical Society of Washington; C. F. W. Muesebeck, Entomological Society of Washington; Alexander Wetmore, National Geographic Society; William W. Rubey, Geological Society of Washington; Frederick O. Coe, Medical Society of the District of Columbia; Gilbert Grosvenor, Columbia Historical Society; Ronald Bamford, Botanical Society of Washington; William A. Dayton, Washington Section, Society of American Foresters; Clifford A. Betts, Washington Society of Engineers; Francis B. Silsbee, Washington Section, American Institute of Electrical Engineers; Martin A. Mason, Washington Section, American Society of Mechanical Engineers; Aurel O. Foster, Helminthological Society of Washington; Lore A. Rogers, Washington Branch, Society of American Bacteriologists; Clement L. Garner, Washington Post, Society of American Military Engineers; Herbert G. Dorsey, Washington Section, Institute of Radio Engineers; and Owen B. French, Washington Section, American Society of Civil Engineers.

**The Anthropological Society of Washington**, at its annual meeting in the U. S. National Museum on January 7, elected William N. Fenton as its president, W. Montague Cobb as vice-president, Marshall T. Newman as secretary, and John C. Ewers as treasurer. In addition, the Society elected E. Wyllys Andrews IV, Stella L. Deignan, George McC. Foster, William H. Gilbert, and Gordon R. Willey as counselors to the Board of Managers.

## NRC News

**The Committee for Research in Problems of Sex** has announced that requests for grants-in-aid during the fiscal period July 1, 1948-June 30, 1949, will be received until March 15, 1948. Application blanks may be obtained by addressing the Secretary, Division of Medical Sciences, National Research Council, 2101 Constitution Avenue, Washington 25, D. C. George W. Corner, director of the Department of Embryology, Carnegie Institution of Washington, Wolfe and Madison Streets, Baltimore 5, Maryland, is now

chairman of the Committee. Robert M. Yerkes, organizer of the Committee and its chairman for 26 years, retired on June 30, 1947.

## Deaths

**Anthony Zeleny**, 77, emeritus professor of physics, University of Minnesota, died suddenly in Minneapolis on December 15.

**Johannes N. Brönsted**, 68, director of the Institute for Physical Chemistry, Copenhagen, Denmark, died on December 17. Prof. Brönsted was an honorary fellow of the New York Academy of Sciences and in April 1947 was elected a foreign associate of the National Academy of Sciences.

**Paul M. Rea**, 69, museum consultant, died January 15 in Santa Barbara, California. Dr. Rea had been engaged in private research since retiring as director of the Santa Barbara Museum of Natural History in 1937.

**Ernst Emil Herzfeld**, 68, archaeologist and professor emeritus in the School of Humanistic Studies of the Institute for Advanced Study, Princeton, died January 21 in Basle, Switzerland.

**T. D. A. Cockerell**, 81, professor emeritus of zoology, University of Colorado, died January 26 in San Diego, California, where he had gone to spend the winter.

**The U. S. Army Medical Department** is planning extensive tests this spring of the efficacy of chloromycetin (*Science*, October 31, 1947, pp. 417-418) against the dreaded scrub typhus in the Far East. J. E. Smadel, director of virus research at the Army Medical Center and one of the discoverers of the drug, will fly to the Malay States with a supply for treatment of the native plantation workers among whom scrub typhus has a high mortality rate.

The proposed attack on scrub typhus is considered of great importance, as no existing vaccine has proved adequate. Early experiments with chloromycetin at the Army Medical Research and Graduate School demonstrated its potency against both typhus and scrub

typhus microorganisms in experimental infections of incubated eggs and in animals. Dr. Smadel recently returned to Washington from Mexico City, where the new drug was tested against a small outbreak of typhus fever. Results of this test have not yet been announced.

**The Civil Service Commission** has announced a geologist examination to fill positions in the continental United States, as well as possibly a few positions in U. S. territories and possessions and in foreign countries. Entrance salaries are \$2,644 and \$3,397 a year. Full information and application forms may be secured from most first- and second-class post offices, from Civil Service regional offices, or from the U. S. Civil Service Commission, Washington 25, D. C. Applications must be received in the Commission's Washington office not later than March 2.

**The "annular" eclipse of May 8-9**, during which the moon will appear to be slightly smaller than the sun as it moves between it and the earth, will be a boon to mapmakers, in that it will enable a more accurate determination of the shape and size of the earth than has been made heretofore. Taking advantage of this particular eclipse, the National Geographic Society is sponsoring an expedition to 7 observation points. The Army Map Service, Engineers and Signal Corps, Navy, Air Force, National Bureau of Standards, Coast and Geodetic Survey, and the State Department will cooperate with the Society in the project.

The expedition scientists will measure with great precision the four times of contact between the edges of the sun and moon during the eclipse. These contacts will occur at different times at each of the 7 observation posts. By comparing the contact times at any two stations, accurate calculation of the distance between the two stations may be made, and their relative positions on the earth's surface located with an error of not more than 150 feet. In turn, these data can be used to determine very accurately the shape and size of the earth.

Expedition leaders and their observation posts are: E. A. Halbach, Milwaukee Astronomical Society, at Mer-

gui, Burma; Charles H. Smiley, Ladd Observatory, Brown University, at Bangkok, Siam, assisted by C. W. Miller, also of Brown University; Rev. Francis J. Heyden, Georgetown College Observatory, at Wu-k'ang, China, assisted by Y. C. Chang, a Chinese government astronomer; George Van Biesbroeck, Yerkes Observatory, at Cho-nan, Korea; a Japanese scientist to be stationed at Rebun Jima, Japan; and Lt. Cdr. Clarence R. Reed and Clarence A. Shelton, both of the U. S. Coast and Geodetic Survey, at Kiska and Adak. Each observation party will also include a radio technician, a camera technician, a surveyor, a cook, and a camp helper. American observers are expected to reach their eclipse stations about April 1.

**The U. S. Office of Education** has made its first two appointments of specialists in liberal arts at the college level: Jennings B. Sanders, former president of Memphis State College, as specialist in history, and Otis W. Freeman, on leave from Eastern Washington College of Education, as specialist in geography. The addition of other specialists in economics, psychology, the biological sciences, the physical sciences, and mathematics is also planned.

**The American Cancer Society** is sponsoring a new bimonthly journal, *Cancer*, for publication early this spring. Every phase of the cancer problem will be covered, with major emphasis on clinical aspects. In addition, the journal will publish a complete current bibliography of the world's cancer literature and comprehensive abstracts of significant articles. Fred W. Stewart, Memorial Hospital, New York, will serve as editor-in-chief and will be assisted by an Editorial Advisory Board of 50 authorities. Articles for Dr. Stewart's consideration should be addressed to 444 East 68th Street, New York 21, New York. Paul B. Hoeber, Inc., Medical Book Department of Harper & Brothers, 49 East 33rd Street, New York 16, New York, will publish *Cancer*. The yearly subscription price is \$8.00.

A quarterly journal devoted to reports of original work in all branches of nutrition is currently being published by the Cambridge University

Press. The journal, the first number of which appeared last September, is owned and controlled by the Nutrition Society and is entitled *The British Journal of Nutrition*. Following completion of Volume 5, the Proceedings of the Society, now published separately, will be incorporated into the journal. S. K. Kon, National Institute for Research in Dairying, Shinfield, nr. Reading, England, heads an Editorial Board of 12. The University of Chicago Press, 5750 Ellis Avenue, Chicago 37, is agent for the journal in this country. The price of Volume 1 is \$15.00; single copies sell for \$5.00.

**Seventeen expeditions are planned for 1948** by the Chicago Natural History Museum, it is announced by Clifford C. Gregg, director. Heading the list is the Bermuda Deep-Sea Expedition, a joint project with the Bermuda Biological Station for Research, Inc., of St. Georges, scheduled for June 1. The latter's participation will be supervised by its director, Dugald E. S. Brown, assisted by members of his staff. Leader and associate leader of this expedition will be Loren P. Woods and Fritz Haas, both of the Museum staff. Dredging to depths of from 8,000 to 12,000 feet, members of the expedition plan to collect fishes, squids, crustaceans, and other invertebrates for a projected new Hall of Deep-Sea Life featuring only those forms of life inhabiting the far depths of the sea. In the opinion of Karl P. Schmidt, chief curator of zoology and expedition planner, this should be one of the most spectacular and interesting Halls in the Museum.

Based at St. Georges, the expedition will have its own ship manned by a crew of professional navigators and seamen. The 98-foot vessel, the *Caryn*, has been assigned to the Bermuda Biological Station by the Oceanographic Institution of Woods Hole and will be commissioned to sail for Bermuda in April.

Among the 16 other expeditions will be the 1948 Archaeological Expedition to the Southwest under the leadership of Paul S. Martin, chief curator of anthropology. In this 15th season of Southwest operations, Dr. Martin will

conduct excavations of prehistoric Indian sites in New Mexico, assisted by a large staff of archaeologists and technicians.

A third expedition of interest will be the Rush Watkins Southeast Asia Expedition, leaving Chicago in September for Burma. Conducted by its sponsor, Mr. Watkins, Chicago businessman, and Austin L. Rand, the Museum's curator of birds, the expedition plans a comprehensive ornithological collection.

Fourteen other expeditions, some in participation with other groups, are scheduled by the Museum to Central and South America and Africa as well as points within the continental United States. Participating in these projects are: Colin C. Sanborn, curator of mammals; Rupert L. Wenzel, assistant curator of insects; Hugh C. Cutler, curator of economic botany; B. E. Dahlgren, curator emeritus of botany; Rainer Zangerl, curator of fossil reptiles; Melvin A. Traylor, Jr., associate; staff taxidermist Frank Wonder; Eugene S. Richardson, curator of invertebrate fossils; Robert Kriss Wyant, curator of economic geology; Harry Changnon, curator of exhibits; Sharat K. Roy, chief curator of geology; Paul C. Standley, curator of the herbarium; Frances Drouet, curator of cryptogamic botany; Philip Hershkovitz, assistant curator of mammals; and Harry Hoogstraal, assistant curator of insects.

## Make Plans for—

**National Educational Association**, winter meeting, February 21-25, Atlantic City, New Jersey.

**Optical Society of America**, winter meeting, March 4-6, Hotel Pennsylvania, New York City.

**American Association of Immunologists**, March 15, Atlantic City, New Jersey.

**American Physiological Society**, March 15-18, Convention Hall, Atlantic City, New Jersey.

**American Society of Ichthyologists and Herpetologists**, 28th annual meeting, March 26-29, Tulane University, New Orleans, Louisiana.