

however, only one in nine potential raindrops actually reaches the ground. The UN map will not include Antarctica, the only continent where there are no thunderstorms.

## Scientists in the News

CHARLES E. KELLOGG, since 1934 head of the Soil Survey, U.S. Department of Agriculture Soil Conservation Service, was presented an award for distinguished service on 19 Aug. during the Michigan State University centennial celebration. The citation from his alma mater read: "Throughout your long and distinguished career as a soil scientist you have labored effectively to benefit mankind the world over by furthering the knowledge and use of the soil."

The State Department has announced that it will sponsor lectures in European and Near East countries by the members of the United States delegation to the Geneva atomic-energy conference. The scientists and the places where they will lecture are as follows.

CLIFFORD BECK, head of the physics department and specialist on nuclear reactors at North Carolina State College—Athens.

AUSTIN BRUES, director of biological and medical research at the Argonne National Laboratory—Brussels, Belgium, Copenhagen, Denmark, and London.

WINSTON MANNING, director of the chemical division at Argonne National Laboratory—Brussels.

FRANK SPEDDING, director of the Institute of Atomic Research and of Ames Laboratory of the Atomic Energy Commission—Stockholm, Sweden, Paris, and Copenhagen.

KARL MAYER, economic adviser on the staff of the general manager of the Atomic Energy Commission—Brussels.

LEE FAIR, director of the department of medical research at Brookhaven National Laboratory—Athens, Cairo, Copenhagen, and Ankara, Turkey.

JOHN SWARTHOUT, director of the chemical division in Oak Ridge National Laboratory—Germany.

WALTER ZINN, director of the Argonne National Laboratory—Britain and Italy.

ULYSSES M. STEEDLER, chief of the Civilian Reactors Branch of the Atomic Energy Commission—Cairo.

DONALD HUGHES, physicist at Brookhaven National Laboratory—Britain.

RALPH OVERMAN, director of the Oak Ridge Institute of Nuclear Studies—Cairo (for 1 month).

H. ARNOLD KARO was appointed by President Eisenhower as director of the Coast and Geodetic Survey, U.S. Department of Commerce, on 12 Aug.

The following appointments to assistant professor have been announced. University of Tennessee College of Medicine: EDWARD H. STORER, surgery. Northwestern University: LASZLO LORAND, biochemistry. In mathematics: Boston College, EVELYN M. BENDER; Purdue University, W. H. FLEMING; Washington University (St. Louis, Mo.), J. K. GOLDBERGER; University of California (Santa Barbara College, Goleta, Calif.), R. T. GREGORY; University of Alabama, J. L. HOWELL; University of Kentucky, FRANK LEVIN; Georgetown University, ANNE E. SCHEERER; Montana State College, W. J. SWARTZ; Long Beach State College, F. R. YETT; University of Illinois, J. A. ZILBER.

The International Astronomical Union held its 9th general assembly at Dublin, Ireland, 2 Aug.–5 Sept. The United States Government was represented by the following delegation: J. J. NASSAU, director of the Warner and Swasey Observatory of Case Institute of Technology and chairman of the U.S. National Committee of the IAU; I. S. BOWEN, director of Mount Wilson and Palomar Mountain Observatories, Pasadena, Calif.; G. M. CLEMENCE, director of the Nautical Almanac Office, U.S. Naval Observatory, Washington, D.C.; G. P. KUIPER, professor of astronomy, Yerkes Observatory of the University of Chicago, Williams Bay, Wis.; ROBERT R. MCMATH, director of the McMath-Hulbert Observatory, University of Michigan; OTTO STRUVE, professor of astronomy, University of California, Berkeley, and president of the IAU; F. L. WHIPPLE, professor of astronomy, Harvard College Observatory, Cambridge, Mass.; and A. E. WHITFORD, director of the Washburn Observatory of the University of Wisconsin.

ALFRED J. STAMM, a specialist in wood chemistry at the U.S. Forest Products Laboratory, Madison, Wis., arrived in Australia on 22 Aug. He will spend 9 months working with the Commonwealth Scientific and Industrial Research Organization's Division of Forest Products as a senior Fulbright fellow.

He plans to study wood fibers, with particular reference to their use in paper making. Stamm has previously studied the bonding between fibers in paper by electric methods; while he is in Australia he expects to extend this work by means of optical techniques.

DOUGLAS H. K. LEE, professor of physiological climatology at Johns Hopkins University, was appointed chief of the research branch, Research and Development Division, Office of the Quartermaster General, Washington, D.C., on 1 Sept.

LEWIS ELDRED, former president of Elmira College, has been named manager of personnel and administration for the electron physics department at the General Electric Research Laboratory, Schenectady, N.Y. Eldred served as professor of mathematics at Elmira before he was named president in 1949.

HERMAN N. EISEN, associate professor of industrial medicine at New York University Post-Graduate Medical School, has been named head, effective 1 Oct., of the new dermatology division at Washington University School of Medicine, St. Louis, Mo. The division, which is the first of its kind in a privately endowed university, is being established with the aid of a \$400,000 Rockefeller Foundation grant that was announced last December.

S. D. S. SPRAGG, professor of psychology at the University of Rochester, has received a Fulbright award that will permit him to spend the coming year at the Technische Universität, Berlin-Charlottenburg, Germany. He will lecture on experimental psychology and human engineering.

The following mathematicians have received new appointments.

C. M. ABLOW of the Boeing Airplane Co., Seattle, Wash., has accepted a position as senior research mathematician with the Standard Research Institute.

R. R. BERNARD of Yale University has been appointed associate professor at Davidson College, Davidson, N. C.

RENÉ DEHEUVELS of the Institute for Advanced Study, Princeton, N.J., has been appointed professor at the University of Lille, France.

D. O. ELLIS, professor at the University of Florida, has accepted a position as associate mathematician with the Rand Corp., Santa Monica, Calif.

S. T. HU of Tulane University has been appointed professor at the University of Georgia.

MARK KAC, professor of mathematics at Cornell University, will be on leave during the coming academic year. With the support of an Air Force contract he plans to conduct research in Geneva, Switzerland.

W. G. MADOW of the University of Illinois has been appointed visiting professor of statistics at Stanford University.

W. E. MILNE, professor at Oregon State College, retired on 1 July.

PAUL OLUM, associate professor at Cornell University, will be on leave to work at the Institute for Advanced Study.

HENRY PARKUS of Michigan State College has been appointed to a professorship at the University of Technology, Vienna, Austria.

J. F. RANDOLPH of the University of

Rochester will be on leave during the coming academic year to serve as a visiting professor at American University, Beirut, Lebanon.

WLADIMIR SEIDEL of the University of Rochester has been appointed to a professorship at the University of Notre Dame.

R. C. T. SMITH of the University of New England, Armidale, Australia, has been appointed a visiting lecturer at Massachusetts Institute of Technology.

W. S. SNYDER of the University of Tennessee has been appointed to the staff of the Oak Ridge National Laboratory, Oak Ridge, Tenn.

KURT STREBEL of the Institute for Advanced Study has been appointed professor at the Université de Fribourg, Switzerland.

LOUIS G. DUNN has been promoted from associate director to director of the guided missile research division of the Ramo-Wooldridge Corp., Los Angeles, Calif.

CORBIN ALLARDICE has left his post as executive director of the Joint Committee on Atomic Energy to accept the newly created position of atomic energy adviser to the International Bank for Reconstruction and Development, Washington, D.C.

## Necrology

CHARLES C. ADAMS, Albany, N.Y., 81, ecologist, former director of New York State Museum, one of the founders and a past president of the Ecological Society of America, and a AAAS member for 54 years, 22 May.

CHARLES P. BERKEY, Palisade, N.J., 88, geologist and water supply expert, former head of the department of geology at Columbia University, and a AAAS member for 54 years, 22 Aug.

ROBERT B. CAMPBELL, Fort Myers, Fla., 63, geologist consultant in western Canada and Florida, 16 Aug.

CHARLES A. DICKENS, Fort Lauderdale, Fla., 76, former professor of psychology at the University of Maine, 23 Aug.

HORACE EDWIN HAYDEN, New York, N.Y., 71, biologist, and bibliographer and editor for New York University, the New York Public Library, and Charles Scribner's Sons, 22 Aug.

(CARL) LELAND HORBERG, Chicago, Ill., 45, associate professor of geology, University of Chicago, editor of the *Journal of Geology*, former president of the Association of Geology Teachers, and secretary of AAAS Section E—Geology and Geography, 1949–52, 18 Aug.

J. ALBERT KEY, Wesco, Mo., orthopedic surgeon and professor emeritus of

clinical orthopedic surgery at Washington University School of Medicine, 6 Aug.

CARL D. LA RUE, Ann Arbor, Mich., 67, botanist and researcher at the University of Michigan, 19 Aug.

EDUARD PERNKOPF, Baltimore, Md., 67, anatomist, professor emeritus of the University of Vienna and director of the Institute of Systematic Anatomy, 17 Apr.

## Education

■ The University of Pennsylvania has announced that its Edgar Fahs Smith Memorial Collection in the History of Chemistry has been reopened for service in new quarters in the Hare Building, 36 and Spruce Sts., Philadelphia. Originally consisting of some 7000 items, the collection has grown to include more than 9000 books and pamphlets, nearly 1400 manuscripts, 3400 portrait prints and medals of chemists, and various items of chemical apparatus. Acting curator of this collection, which is one of the largest of its kind in the United States, is Claude K. Deischer, assistant director of the university's Harrison Laboratory of Chemistry.

■ Plans for the establishment of a pilot Cardiovascular Training Center for Nurses have been announced by the U.S. Public Health Service. The first of its kind, the center will be located at the University of Minnesota School of Public Health, starting 1 Jan. 1956. Cooperating with the Public Health Service in the project are the Minnesota Department of Health and other agencies in Minneapolis and St. Paul.

Nurses for the first group to train at the center will be drawn chiefly from consultant, supervisory, and instructor positions. Candidates will represent the various fields of nursing—hospital, industrial, education, and public health. Applications for the training center are being received at the University of Minnesota School of Public Health. Early applications are urged since the first group will be limited; studies are scheduled for one quarter.

## Grants, Fellowships, and Awards

■ Two Frank L. Chance research fellowships, one in hematology and one in medical oncology, are to be awarded by the City of Hope Medical Center. Inquiries should be directed to Dr. Howard Bierman, City of Hope Medical Center, Duarte, Calif. *The deadline date is 1 Oct.* These fellowships were established by the late Mrs. Frank L. Chance in honor of her husband, the Chicago Cubs baseball player who was a member of

the double-play team, Tinker-to-Evers-to-Chance.

Five fellowships are available each year for periods of from 1 to 3 years. Fellows selected hold an appointment in the center's Medical Research Institute, with a dual title in one of the center's hospitals if the research to be conducted is of a clinical nature. The annual stipend varies from \$3000 to \$5000, depending upon the previous training of the candidate.

The fellowships were designed to afford special training in the fields in which the City of Hope Medical Center is engaged. These are (i) tumors and allied diseases; (ii) hematology; (iii) cardiac disease amenable to surgery; and (iv) cardiorespiratory diseases.

■ American Cancer Society clinical fellowships in radiation therapy are offered in 1956–57 to properly qualified graduates in medicine who have already received thorough basic training in the principles and practice of radiation therapy, and who desire to spend additional periods of training in that specialty at certain clinics in the United Kingdom, the Scandinavian countries, and France. Fellowships are available to citizens of the United States who are graduates of recognized medical schools in the United States, who have previously received training in the therapeutic radiology acceptable to the American Board of Radiology as credit toward certification, and who are under 40 years of age. In the selection of applicants, priority will be given to physicians who are already certified by the American Board of Radiology, and who have completed the required training in preparation for board examinations but who have not yet taken the examinations, and those who are still in the training period but who intend to complete board requirements and take the examinations.

The annual stipend is \$4500 per year, including travel. When a fellowship is awarded, an initial travel fund of \$900 will be paid to the recipient. The remainder of the stipend will be paid in advance in monthly installments of \$300, beginning with the fellowship period.

The fellowship period shall be 1 year, although in exceptional circumstances, and when there is no competition with new applications, renewal for a year or less will be considered. Fellowships may commence at any time mutually agreeable to the institution and the fellow.

Fellows may choose to spend the entire fellowship year in one institution or to divide the time between two or more; in the latter case, however, at least 8 months must be served in a single institution in order that a reasonable measure of practical experience, rather than observation only, may be assured.