

NEWS and Notes

Edmund W. Sinnott, past president of the AAAS, has been appointed dean of the Graduate School at Yale University. He will continue to serve as director of the Sheffield Scientific School, but is retiring as chairman of the Department of Plant Science. He will be succeeded in his post by **Paul R. Burkholder**, Eaton Professor of Botany.

John Ray Dunning, professor of physics at Columbia University and scientific director of Columbia's new cyclotron at Irvington-on-Hudson, New York, has been appointed dean of the School of Engineering. Dr. Dunning succeeds **James K. Finch** who retired June 30. Dean Finch will resume the chair of the Renwick Professor of Civil Engineering, which he formerly held.

Helmut R. Gutmann, of the College of Medicine, University of Tennessee, has been appointed assistant research professor and biochemist in the Cancer Research Laboratory of the University of Florida.

William C. Steere, head of the Department of Botany at the University of Michigan and editor-in-chief of the *Bryologist*, will join the Stanford University faculty in September as professor of botany. Prof. Steere will succeed **Gilbert Morgan Smith**, who retires this year.

George M. Jemison has been appointed director of the Northern Rocky Mountain Forest and Range Experiment Station, U. S. Forest Service, Missoula, Montana. Dr. Jemison, formerly chief of the Division of Forest Management Research at the Southeastern Forest Experiment Station at Asheville, North Carolina, succeeds **C. L. Tebbe**, who is transferring to the Washington, D. C., office of the Forest Service.

Athelstan Spilhaus, dean of the University of Minnesota's Institute of Technology, has been named deputy chairman of the Committee on

Geophysics and Geography of the Research and Development Board, Department of Defense, to succeed **W. W. Rubey**, of the U. S. Geological Survey. Dr. Spilhaus, who has served as an alternate member since the committee's formation in December, 1948, is one of five civilian members.

Pierre Dansereau, of the Service de Biogéographie, University of Montreal, has been appointed assistant professor in the Department of Botany of the University of Michigan. **Stanley A. Cain** was named Charles Lathrop Pack Foundation Professor of Conservation in the university's newly created School of Natural Resources.

Paul M. Erlandson, a specialist on guided missile and antisubmarine instruments, has been appointed chairman of Southwest Research Institute's Physics Department. Dr. Erlandson was formerly with the Research and Design Branch of the Electronics Division, Navy Bureau of Ships, and the Defense Research Laboratory of the University of Texas.

Visitors to U. S.

Alfred Katz, of the Pharmaceutical Institute, University of Basel, has been invited to work as special fellow with the Experimental Biology and Medicine Institute of the National Institutes of Health, Bethesda, Maryland. He is conducting analytical work with tropical plant material, and collaborating in research problems in the field of steroidal natural products.

Recent visitors at the National Bureau of Standards were **Claude M. Brooke**, Swiss research fellow with the Belgian Inter-Universities Institute for Nuclear Physics at Mons; **Juan D. Lopez Gonzales**, of the University of Granada and member of the Consejo Superior de Investigaciones Científicas, Spain; **G. N. Holmes**, of the British Society for Aircraft Construction, and **G. Weston**, assistant manager, British Standards Institution, Great Britain; **Mario Lewy**, head of the Chemistry Department, Centro Nacional de Agricultura, San Salvador; **Hiroshi**

Sho, chief, Documents Section, Radio Regulatory Commission, Tokyo; and **Jacobus W. Swardt**, principal scientific officer and head of the Engineering Division, South African Bureau of Standards, Pretoria.

Henrik Ortenblad, director of the Swedish Government Printing Office, and **Gunnar Hedlund**, hydrographer of the Royal Swedish Marine Chart Service, recently visited the U. S. Geological Survey.

Grants and Awards

The National Research Council has announced awards for 1950-51 under six programs of fellowships which it administers. National Research Fellowships in the natural sciences, supported by the Rockefeller Foundation, were awarded to these 17 recent recipients of the doctorate, for further research training at the following institutions: *Gordon M. Barrow*, Oxford University; *Harry A. De Walt, Jr.*, University of Wisconsin; *Erwin L. Hahn*, Stanford University; *Alex Heller*, Institute for Advanced Study; *Lyle V. Jones*, University of Chicago; *Richard V. Kadison*, Institute for Advanced Study; *Walter Kohn*, Eidg. Technische Hochschule, Zurich; *David R. Layzer*, University of Michigan; *John M. Mays*, Harvard University; *Alan L. McClelland*, University of Birmingham, England; *Harden M. McConnell*, University of Chicago; *Floyd Ratliff*, Johns Hopkins University; *Maxwell A. Rosenlicht*, Princeton University; *Burton S. Rosner*, Yale University; *Robert V. Ruhe*, State University of Iowa; *Charles M. Wilson*, University of California; *Barbara E. Wright*, Physiological Institute, Copenhagen. The fellowship of *Verne Grant*, Carnegie Institution of Washington, Stanford University, was renewed.

Merck Postdoctoral Fellowships, supported by Merck and Company, to help recipients to achieve productive competence in both chemistry and biology were awarded to: *Laurens Anderson*, Eidg. Technische Hochschule, Zurich; *William A. Atchley*, Rockefeller Institute for Medical Research; *Robert E. Taylor*, University of Chicago; *James D.*

Watson, University of Copenhagen, Denmark. Renewal appointments were granted to *Melvin Cohn*, Institut Pasteur, Paris; *Ruth Sager*, Rockefeller Institute for Medical Research; and *Robert C. C. St. George, Jr.*, California Institute of Technology.

Nine awards of the RCA Fellowships in Electronics were also announced. These predoctoral fellowships, supported by the Radio Corporation of America, are for graduate training of young men and women in the general field of electronics. Newly appointed fellows are: *George E. Zenk*, Carnegie Institute of Technology; *John G. Meeker*, University of Michigan; *Gene W. Zeoli* and *Andrew R. Hutson*, Massachusetts Institute of Technology; and *Hillard M. Wachowski*, Northwestern University. Renewal appointments for another year were granted to: *Charles K. Birdsall* and *David Carter*, Stanford University; *Gerald Estrin*, University of Wisconsin; and *Fumio Robert Naka*, Harvard University.

Postdoctoral Research Fellowships in the Medical Sciences, supported by the Rockefeller Foundation, were granted for 1950-51 to: *Evan Calkins*, Harvard University; *Sam L. Clark, Jr.*, Vanderbilt University; *Norman A. Coulter, Jr.*, Johns Hopkins University; *James G. Kirsch*, Rockefeller Institute for Medical Research; *Charles A. M. Hogben*, Laboratory of Zoophysiology, Copenhagen; *Irving G. Kagan*, University of Chicago; and *Edward D. Thomas*, Massachusetts Institute of Technology. Renewal appointments for second year were granted to: *Richard J. Cross*, Public Health Research Institute of the City of New York; *Marion E. Lahey*, University of Utah; *Alexander Leaf*, Massachusetts General Hospital; *John B. Neilands*, Medicinska Nobelinstitutet, Stockholm; and *Alexander Rich*, California Institute of Technology.

Research fellowships in fields related to poliomyelitis, administered by the NRC on behalf of the National Foundation for Infantile Paralysis, Inc., were awarded to: *Robert M. Chanock*, University of Cincinnati; *Franklin A. Neva*, Harvard University; and *William F.*

Scherer, University of Minnesota. A senior fellowship in poliomyelitis was awarded to *Edgar A. Bering, Jr.*, Peter Bent Brigham Hospital and Children's Hospital, Boston.

Under the program of Fellowships in Anesthesiology, supported by the American Society of Anesthesiologists, Inc., an appointment was made to *Elizabeth J. Crawford*, Bellevue Hospital, New York, for research at that institution under E. A. Rovenstine.

The Keyes Memorial Medal of the American Association of Genito-Urinary Surgeons was presented to Herman L. Kretschmer, of Chicago, at the meeting of the association in Hershey, Pennsylvania.

The Donald E. Barr Memorial Fellowship has been awarded to Glen R. Gale by the American Trudeau Society, a division of the National Tuberculosis Association. Gale, a 20-year-old Duke University student who last year gained recognition through discovery of a new fungus-killer, will continue research in microphysiology at the university.

John Henry McClement, of the College of Physicians and Surgeons of Columbia University, has been awarded the first James Alexander Miller Fellowship for Research in Tuberculosis, by the New York Tuberculosis and Health Association.

Research Opportunities

The American Heart Association, as part of its research program, has established career investigatorships for research in cardiovascular problems. Investigators will be chosen from the age group of 35 to 45 years. They will work independently on research of their own choosing, in any institution in the U. S. providing adequate facilities, and may move from one institution to another, spending brief periods abroad. The selection of the place of work will be subject to approval by the American Heart Association. No more than 15 percent of an investigator's time will be spent in teaching, and no administrative duties will be required. Annual reports of work accomplished must be sent to the medical director of the association.

The minimum annual stipend for the career investigator will be \$12,000, a maximum of \$7,500 will be available for technical help, services, and supplies, and in addition, the investigator may apply for grants-in-aid from any organization, including the association. It is the intention of the association to support investigators in research until the age of 65, when they will be under the association's retirement plan. Requests for nominations or for further information should be sent to the Scientific Council of the American Heart Association, 1775 Broadway, New York City, to deans of medical schools, or to heads of research units. The number chosen will depend on the income of the association.

A research fellowship in endocrinology has been established recently at Rutgers University by Schering Corporation, pharmaceutical manufacturers of Bloomfield, New Jersey. The grant, valued at \$2,300, is for the support of fundamental research by graduate students in the field of steroid hormones and will facilitate study of several important problems, including the relationship between normal steroid hormone functions and the protein metabolism of the body. Further information may be obtained from Perry L. Stucker, Advertising Manager, Schering Corporation, Bloomfield, New Jersey.

Summer Programs

A course in modern industrial spectrography, for chemists and physicists in industry and for graduate and advanced undergraduate students, will be held at Boston College, July 24-August 4. The course of lectures, laboratory work, and discussion periods will carry no credit, but students will have the opportunity for experience in their particular fields. Tuition for the course is \$100. Admission is limited to 40, and applications will be accepted in order of receipt. Applications and further information can be obtained from James J. Devlin, S.J., Physics Department, Boston College, Chestnut Hill 67, Massachusetts.

A conference on the teaching of chemistry, sponsored by Michigan State College Chemistry Department, will be held August 22-25 in the Kedzie Chemistry Laboratory on the college campus. Teachers at both the high school and college levels are invited to attend and to bring their families. The registration fee is \$2.50; nonprofessional guest fee, \$1.00; housing and meals at Shaw Hall, Tuesday through Friday, \$12.75. Further information may be obtained from K. G. Stone, Kedzie Chemistry Laboratory, Department of Chemistry, Michigan State College, East Lansing, Michigan.

A course in **instrumentation for radioisotope work** will be conducted by the Special Training Division of the Oak Ridge Institute of Nuclear Studies, September 5-15. The course, which is limited to 40, will be open to chemical instrument specialists, electrical engineers, physicists, and others specializing in instrumentation. Morning sessions will be devoted to formal discussion of specific topics and afternoon sessions will include informal group discussions. A fee of \$25 is charged for the course. Participants will pay their own living and traveling expenses. Additional information and application blanks may be obtained from Ralph T. Overman, Chairman, Special Training Division, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tennessee.

Industrial Laboratories

Televised surgical operations and clinical procedures will be viewed this summer in five Latin American countries through a joint arrangement between **E. R. Squibb and Sons International Corporation** and the **International General Electric Company, Inc.** "Video Medico" will be demonstrated at the Brazilian Congress of Gastro-Enterology, to be held in São Paulo, and at the Congress of International College of Surgeons, Buenos Aires. Demonstrations will also take place at San Juan, Puerto Rico, Caracas, Venezuela, and Mexico City. Programs demonstrating adaptability of television to educational, civic,

health, and religious training will also be presented in each country.

General Mills Research Laboratories has appointed Robert J. Foster head of its Chemical Engineering Department in Minneapolis. Dr. Foster joined the laboratories' staff in 1943.

Meetings and Elections

Two international syphilis seminars will be held in Helsinki and Paris this fall under the auspices of the World Health Organization, for the promotion of exchange of information on the prevention, diagnosis, and treatment of syphilis. Participants will review the results of the World Health Organization-United Nations International Children's Emergency Fund campaigns against congenital syphilis through penicillotherapy. These campaigns are now under way or in preparation in many countries of Europe, Asia, America, and the Eastern Mediterranean. The Helsinki seminar, to be held September 4-10, will include specialists from Denmark, Iceland, Norway, Sweden, the United States, and Finland. The Paris meeting, September 25-October 7, will include specialists from Belgium, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, United Kingdom, United States, Switzerland, Yugoslavia, and France.

The Fifth Calorimetry Conference will meet September 5 at the Technological Institute of Northwestern University. Full details of the conference may be obtained from Daniel R. Stull, Physical Research Laboratory, Dow Chemical Company, Midland, Michigan.

A conference on differential equations will be held September 8-9 at the University of Maryland. The conference is under the sponsorship of the university's Institute for Fluid Dynamics and Applied Mathematics and the Department of Mathematics. Speakers will include M. Morse, Institute for Advanced Study, Princeton; N. Aronszajn, Oklahoma Agricultural and Mechanical College; J. Leray, Collège de France, Paris; J. Hadamard,

Institut de France, Paris; M. Picone, Istituto Nazionale per le Applicazioni del Calcolo, Rome; and M. Martin and A. Weinstein, both of the University of Maryland. Those planning to attend the conference should advise Prof. J. L. Vanderslice, Department of Mathematics, University of Maryland, College Park, Maryland not later than August 1. There will be no registration fee.

The American Oil Chemists' Society will hold its fall meeting at the Sir Francis Drake Hotel in San Francisco, September 26-28. Further information may be obtained from the general chairman, E. B. Kester, Western Regional Research Laboratory, Albany, California.

The 1950 sessions of the **Gulf and Caribbean Fisheries Institute** have been scheduled for November 6-10 at the Sans Souci Hotel, Miami Beach, Florida. In response to a number of requests, a special concurrent one-day session has been scheduled for November 6, in order to allow presentation of papers dealing with the basic oceanography and marine biology of the Gulf of Mexico and the Caribbean. Those wishing to present papers in these fields unrelated to fisheries, as well as in the field of fisheries, should write before July 30 to the Director, Marine Laboratory, University of Miami, Coral Gables, Florida.

The American Electroencephalographic Society at its annual meeting, June 10-11, elected the following officers for the ensuing year: president, Robert S. Schwab, Massachusetts General Hospital; vice president, James L. O'Leary, Washington University School of Medicine; treasurer, Mary A. B. Brazier; and secretary, John A. Abbott, both of Massachusetts General Hospital.

A national conference on pre-medical education, sponsored by Alpha Epsilon Delta in cooperation with the Association of American Medical Colleges, will be held at the Lake Placid Club, Essex County, New York, October 21-22, preceding the annual meeting of the association, October 23-25. The conference will be organized as a workshop of

round-table discussion groups of medical and premedical educators. The meetings are being arranged under the direction of Hugh E. Setterfield, national president of Alpha Epsilon Delta and professor of anatomy, Ohio State University College of Medicine. Further information may be obtained by writing to Alpha Epsilon Delta, 303 Up-land Road, Havertown, Pennsylvania.

The American Society of Plant Taxonomists elected the following officers for 1950-51: president, Lincoln Constance, professor of botany, University of California at Berkeley; secretary, Reed C. Rollins, director of the Gray Herbarium, Harvard University; treasurer, Robert Foster, Gray Herbarium, Harvard; president of the council, W. H. Camp, Academy of Natural Sciences of Philadelphia.

The Nebraska Academy of Sciences at its annual meeting elected the following officers for 1950-51: president, Otis Wade, University of Nebraska; vice president, S. B. Shively, Nebraska Wesleyan University; secretary, C. B. Schultz, University of Nebraska; treasurer, C. E. Rosenquist, University of Nebraska.

Deaths

Juan José Osuna, a member of the AAAS since 1927 and a fellow since 1934, died in Arlington, Virginia, on June 18. Born in Puerto Rico in 1884, Dr. Osuna received his education at Pennsylvania State College and Columbia University. He served as dean of the College of Education, University of Puerto Rico, for many years. His book, *The History of Education in Puerto Rico*, was published three months before his death.

James Ellsworth Boyd, professor emeritus of mechanics at Ohio State University, died in Columbus, May 10, after a long illness. He was 86. Prof. Boyd was the first chairman of the Department of Mechanics, and served there from 1906 to 1934.

John Salem Lockwood, 42, professor of surgery at Columbia University's College of Physicians and Surgeons, died June 16. Dr. Lock-

wood, who had done early research in the sulfa drugs, had recently been appointed clinical director and chief of surgical services of Memorial Hospital's Center for Treatment of Cancer and Allied Diseases in New York City.

William Freeman Snow, 74, a specialist in public health and preventive medicine, died June 12, in Bangor, Maine, near his summer residence. Dr. Snow, a special consultant to the U. S. Public Health Service since 1936, was a founder and chairman of the American Social Hygiene Association.

Walter C. Preston, research chemist, died June 12, in Cincinnati, at the age of 54. Dr. Preston, who had been associated with Procter and Gamble Company since 1923, was known for his development of silica gel as a drying agent.

The collection of Foraminifera willed to the U. S. National Museum by the late Joseph A. Cushman has been combined with the museum collection to facilitate use of the material for study. The Cushman collection comprises over 4,000 books and reprints, a card catalog of 98,000 species, and 175,000 study slides.

The Australian Journal of Marine and Freshwater Research has been established by the Commonwealth Scientific and Industrial Research Organization for publication of research papers on results of original investigations on sea, estuarine, and freshwater fisheries, and related subjects. N. S. Noble, of the organization's staff, has been appointed editor of the new journal, which will be issued as the accumulation of material dictates—possibly biannually. The first number has been published and orders should be addressed to the Secretary, CSIRO, 314 Albert Street, East Melbourne, C.2. The subscription rate is 7/6 per issue.

A section on the chemistry of natural products has been established at the research laboratories of the **National Heart Institute** of the National Institutes of Health. Evan C. Horning, associate professor of

chemistry at the University of Pennsylvania, has been appointed to head the new section.

Botanical Nomenclature and Taxonomy, a symposium organized by the International Union of Biological Sciences in cooperation with Unesco, and edited by J. Lanjouw, of the University of Utrecht, has been published by *Chronica Botanica*. It includes a supplement of alterations made in the International Rules of Botanical Nomenclature at the 56th International Congress. Another supplement deals with the possibilities of an international association of taxonomic botanists (see *Science*, March 17, p. 294) to be established during the Stockholm Congress next month. The symposium, priced at \$2.50, can be ordered from the *Chronica Botanica* Company, Waltham, Massachusetts, or from Stechert-Hafner, Inc., New York City.

Recently Received—

Preservation of Agricultural Specimens in Plastics. G. R. Fessenden. U. S. Department of Agriculture, Publ. 679. U. S. GPO, Washington 25, D. C.

Tables of Confluent Hypergeometric

Function $F\left(\frac{n}{2}, \frac{1}{2}; x\right)$ and Related

Function. National Bureau of Standards Applied Mathematics Series 3. U. S. GPO, Washington 25, D. C. 35 cents.

Spectrophotometry (200 to 1,000 millimicrons). Kasson S. Gibson. National Bureau of Standards Circ. 484. U. S. GPO, Washington 25, D. C. 25 cents.

Catalog of Termites of the World. Thomas E. Snyder. Smithsonian Institution, Washington 25, D. C.

Genetic-Statistical and Psychiatric Investigations of a West Swedish Population. Torsten Sjögren. Ejnar Munksgaard, Norregade 6, Copenhagen, Denmark.

Netherlands Export Book Catalog, 1950. Book and Periodical Export Center, Amsterdam, Netherlands. Unesco coupons accepted.

University of Michigan Museums Report, 1947-48. University Press, Ann Arbor, Mich.