

News and Notes

Scientists in the News

Recent visitors at the National Bureau of Standards from abroad were **Antoine Craya**, professor of physics at the University of Grenoble; **D. M. McKay**, physicist with Kings College, University of London; **Frank R. Shroff**, professor of oral pathology and bacteriology at the University of Otago, New Zealand; **Knut Gard**, secretary of the Norwegian Dental Association, Oslo; **Neil E. Goldsworthy**, director of the Institute of Dental Research in Sydney, Australia; and **Takashi Isobe**, professor, Faculty of Engineering, University of Tokyo.

Progress in the search for plant sources of cortisone has been reported by **Walter Hodge**, on leave from the University of Massachusetts botany staff to assist the federal Bureau of Plant Industry as a plant explorer in South Africa. Dr. Hodge has just returned from the Rhodesias, Nyasaland, and Tanganyika and will next work north of Capetown in Namaland.

Sverre Tore Hoel, of Lunderseter, Norway, and **Tore Gaute Aas**, of Eidsvold, Norway, have arrived in the U. S. to spend a year studying timber production methods. Arrangements for the one-year work visit to this country were made by the American Forestry Association and the Norwegian Embassy with the Weyerhaeuser Timber Co., Tacoma, Wash., and the Southland Paper Mills, Lufkin, Texas.

Erik Holmberg, of the Observatory of Lund, Sweden, has been invited to work for a year at the Mount Wilson and Palomar Observatories. His research will primarily concern stellar systems outside the Milky Way.

Leslie E. Howlett, codirector of the Division of Physics, National Research Council, Ottawa, was Canadian delegate to the Brisbane meeting of the Australian and New Zealand Association for the Advancement of Science, which has just been held in connection with the Jubilee of the founding of the Commonwealth of Australia. Dr. Howlett will also visit scientific institutions in New Zealand, Australia, India, Pakistan, Italy, Denmark, and the United Kingdom.

J. Peter Kass has been appointed director of the Research and Development Department of Atlas Powder Company, Wilmington, Del., succeeding **K. R. Brown**, who was elected vice president of the company.

Raphael G. Kazmann, consulting ground water engineer, of Stuttgart, Ark., has resigned his position as chief hydrologic engineer in charge of investigation and research with Ranney Method Water Supplies to open his own office as consulting ground water engineer.

Vasili I. Komarewsky, professor of chemical engineering and director of the catalysis laboratory at Illinois Institute of Technology, will lecture this month before the Société de Chimie Industrielle, Paris, on "Aromatization of Hydrocarbons." Dr. Komarewsky is an alumnus of Moscow University and has been a staff member of the Moscow Academy of Mines and the Kaiser Wilhelm Institute of Biochemistry in Berlin. He came to the United States in 1930.

Max A. McCall, assistant chief of the Bureau of Plant Industry, Soils, and Agricultural Engineering, has requested voluntary retirement, having served 36 years in the federal service. He plans to continue agricultural activities but without the pressures of official responsibility. In 1950, Dr. McCall was awarded the USDA's Distinguished Service Award for "distinguished service to American agriculture through the planning and execution of outstanding research programs, establishing high standards of research, and inspiring a high degree of excellence among agricultural research scientists."

John A. Nagay has joined the staff of the Manpower Branch, ONR. Following service in the Air Force, Mr. Nagay was connected with the Personnel Research Section of the Adjutant's General's Office, War Department, and then with the American Institute for Research, University of Pittsburgh.

Sherman K. Neuschel, chief of the U. S. Geological Survey's program of mapping the geology of Pacific Islands, conveyed the greetings of William E. Wrather, director of the Survey, at the 58th annual meeting of the Geological Society of Japan at Kyoto. Several other Survey geologists stationed at Tokyo also attended the meetings: **Monta Wing**, of Beloit, Wis.; **Allen Nicol**, of Los Angeles; **Helen Foster**, of Adrian, Mich.; **Arnold C. Mason**, of St. Louis; **Rachel Barker**, of Brattleboro, Vt.; **Betty Moriaki**, of Chicago; and **Theodore Sumida**, of Sacramento, Calif. The society elected as its president **Ichiro Hayasaka**, for 20 years professor of paleontology and head of the geology faculty at the University of Formosa, and now professor at the University of Hokkaido.

Richard Parmenter has been appointed associate director of the Operations Research Office, which Johns Hopkins University operates for the Department of the Army. Coordinator of research at Cornell University, Dr. Parmenter has been a consultant to the organization for some months. He will devote part time to the assignment. Established in 1948, the Operations Research Office has headquarters at Fort Lesley J. McNair, Washington, and is directed by Ellis Johnson.

E. Claiborne Robins, president of A. H. Robins Co., Inc., of Richmond, Va., was elected to the board of directors of the American Pharmaceutical Manufac-

turers Association during the recent meeting at Boca Raton, Fla. Named also to the board of trustees of the University of Richmond, Mr. Robins is a trustee of the projected Richmond Memorial Community Hospital, and president-elect of the alumni association of the Medical College of Virginia.

J. T. Robinson, chief assistant to the late Robert Broom since 1945, will carry on Dr. Broom's work on ancient man at the Transvaal Museum in Pretoria, S.A.

Lloyd V. Sherwood, of Dayton, Ohio, has been appointed manager of the agricultural chemicals section of Monsanto Chemical Company's Organic Chemicals Division development department. He replaces **Robert W. Towne**, of St. Louis, who has been transferred to The Chemstrand Corporation, a jointly owned subsidiary of Monsanto and American Viscose Corporation. Dr. Sherwood, who has been with Monsanto's Central Research Department at Dayton, will continue temporarily to conduct special field work there on a soil stabilization program.

Donald Slaughter, dean of the University of South Dakota School of Medicine, has been appointed consultant to the postgraduate Army Medical School to lecture on "The Philosophy of Medical History."

Foster Dee Snell, president of Foster D. Snell, Inc., is in Europe to attend the Third World Petroleum Congress being held at The Hague and to visit his firm's associates and clients in France, England, Italy, and The Netherlands.

Eric G. Snyder has been named vice president of Takamine Laboratory, Inc. He joined the organization as director of research in 1949.

Fred L. Soper, director of the Pan American Sanitary Bureau, Regional Office of WHO, has returned from Bogotá, where he conferred with public health authorities regarding plans for international collaboration in the production of yellow-fever vaccine. With Miguel E. Bustamante, secretary general of the Bureau, he also attended the Fourth World Health Assembly in Geneva.

Elvin C. Stakman, chief, Division of Plant Pathology and Botany, University of Minnesota, was recently made a member of the Royal Norwegian Academy of Science of the University of Oslo. Dr. Stakman was appointed to the group of biological scientists.

Charles Allen Thomas has been elected president of Monsanto Chemical Company, succeeding **William McNear Rand**, who has retired in accordance with provisions of the employee pension plan. Mr. Rand has been president since 1945, and Dr. Thomas has been executive vice president since 1947.

Lester A. Wilson, Jr., of Duke University, has been appointed assistant professor of obstetrics and gynecology at the University of Virginia.

Grants and Awards

Antara Products Division of General Dyestuff Corporation has established a fellowship for the study of the function and effectiveness of the surface activity of surfactants in enhancing the lethal power of herbicides, at the Agricultural Experiment Station at Rutgers University.

The **Arthritis and Rheumatism Foundation** is offering research fellowships at both the pre- and post-doctoral levels, ranging from \$1,500 to \$6,000. Deadline for applications is *November 15*. Apply to the medical director of the foundation, 535 Fifth Ave., New York 17.

The **Free Russia Fund, Inc.**, a nonprofit organization, has been established by the Ford Foundation to assist exiles of all Soviet nationalities in their integration into U. S. culture. George F. Kennan is president of the fund; Frank Altschul, Philip E. Mosely, John E. F. Wood, and R. Gordon Wasson are trustees; and George Fischer, of Harvard, is director. Offices are at 542 Fifth Ave., New York.

Grant Fellowships (sponsored by the Grant Foundation, of New York City) in **Family Life Education**, at Cornell, have been given to Blaine M. Porter, of Iowa State, and Elmer M. Knowles, of the Merrill-Palmer School, Detroit.

For the academic year 1951-52 the **National Research Council of Canada** has granted 215 scholarships valued at a total of \$192,100. Fourteen special scholarships for work at Oxford and London, Caltech, Cambridge, Harvard, Iowa State, Ohio State, and Paris were awarded, and seven overseas postdoctorate fellowships for work at the British universities of Birmingham, Leeds, and Oxford.

The Psychophysiology Branch, Human Resources Division, **Office of Naval Research**, has completed arrangements to extend the following research projects for periods ranging from two to four years, through use of longevity funds: "Cutaneous Medication of Vibratory Forces," F. A. Geldard, University of Virginia; "Electrical Activity of Visual Receptors," H. K. Hartline, Johns Hopkins; "Chemoreception," C. Pfaffmann, and "Electroretinograms," L. A. Riggs, Brown University; "Physiological Acoustics and Voice Communication," S. S. Stevens, Harvard Psycho-Acoustic Laboratory; "Physiology and Anatomy of the Auditory System," A. R. Tunturi, University of Oregon; "Photochemistry of the Retina," G. Wald, Harvard; and "Sound Conduction in the Ear," E. G. Wever, Princeton.

Continuing a program begun in 1940, the **Western Actuarial Bureau**, acting for the stock fire insurance companies, has awarded 16 four-year scholarships in fire protection engineering at Illinois Institute of Technology, the only educational institution in the country offering a degree in fire protection and safety engineering.

In the Laboratories

The Borden Company's Chemical Division will build a formaldehyde and liquid urea resin manufacturing plant on the outskirts of Demopolis, Ala., where the company has acquired a 20-acre tract of land. Completion of the plant is scheduled for 1952.

Ciba Pharmaceutical Products, Inc., Merck & Co., Inc., Organon, Inc., and Schering Corporation, have completed an agreement covering the manufacture of cortisone, which makes available their patents for manufacture of this vital hormone product to the entire pharmaceutical industry. Under the agreement Research Corporation will license any financially responsible individual or firm. Full details may be obtained from the Division of Patent Management, Research Corporation, 405 Lexington Ave., New York 17.

Parke, Davis & Company has donated 5,000 doses of chloromycetin and 100 doses of typhoid-para-typhoid vaccine to El Salvador for the relief of victims of the recent earthquake. The Pan American Sanitary Bureau, regional office of WHO, sent 4,000 capsules of chloromycetin, 4,000 capsules of aureomycin, and 225 pounds of chlorinated lime. The supplies were flown to Central America by Pan American World Airways.

Chas. Pfizer & Co., Inc., in whose laboratories terramycin was developed, have donated \$11,000 worth of the antibiotic for use in the current cholera epidemic in India. Cholera is not among the infections on which terramycin has been definitively tested, but such tests are now under way in West Bengal, and medical reports are expected at an early date.

NRC News

National Research fellowships in the natural sciences, postdoctoral fellowships supported by the Rockefeller Foundation to promote fundamental research, have been awarded to 13 scientists. The new Fellows, with their institutions of study, are: Theodore Downs, American Museum of Natural History; Richard K. Benjamin, Harvard; Israel Zelitch, New York University Medical College; Conrad S. Yocum, Harvard; Layton L. McCoy, MIT; Barry M. Bloom, University of Wisconsin; Arthur S. Wightman, Institute for Theoretical Physics, Copenhagen; Malcolm P. Savendoff, Mount Wilson and Palomar Observatories; Victor L. Klee, Institute for Advanced Study; Louis Nirenberg, Swiss Federal Institute of Technology, Zurich; and Donald Robert Yennie, Institute for Advanced Study. One-year renewal appointments were granted to Harden McConnell, University of Chicago, and Maxwell A. Rosenlicht, Princeton.

Nine awards of Merck Postdoctoral Fellowships supported by Merck & Co., Inc., were made. New Fellows are: Philip S. Thayer, University of California; Lawrence Bogorad, The Rockefeller Institute of Medical Research; Roderick K. Clayton, Hopkins Marine Station; Ruth Hubbard, Carlsberg Laboratory, Copenhagen; Andre T. Jagendorf, University of California;

and Robert Roeske, Swiss Federal Institute of Technology. Renewal awards were made to Melvin Cohn, Institut Pasteur; James D. Watson, Institute for Cytophysiology, University of Copenhagen; and William A. Atchley, Rockefeller Institute for Medical Research.

The RCA Predoctoral Fellowships in Electronics, supported by the Radio Corporation of America, will give special graduate training in electronics to young men and women of marked ability. The 1951-52 awards were to: Casper W. Barnes, Jr., University of Florida; Bernard E. Keiser, Washington University; Seymour Stein, Harvard; Glen Wade, Stanford; and John N. Warfield, Purdue. Renewal awards were to Hiliard M. Wachowsky, Northwestern, and John G. Meeker, University of Michigan.

Meetings and Elections

At the April 11 meeting of the American Academy of Neurology at Virginia Beach, the following officers were elected for 1951-52: president, Pearce Bailey, Washington, D. C.; president-elect, Howard Klingman, of Cincinnati; vice president, Walter Klingman, Charlottesville, Va.; treasurer, Joe Brown, of Minneapolis; and secretary, Francis M. Forster, Washington, D. C. The next meeting will be held in the Brown Hotel, Louisville, Ky., on April 24-25, 1952. At the Virginia Beach meeting, a two-day course in neuropathology was instituted. This course will be given again at Louisville, as will a course in neuroontogenography and electroencephalography. Requests for a place on the program should be sent to Alexander Ross, University of Indiana. Requests must be accompanied by the title and an abstract, and the deadline is November 1, 1951.

The Aero Medical Association, meeting in Denver, elected USAF Surgeon General Harry G. Armstrong 1951-52 president, and Dan C. Ogle vice president. Robert J. Benford, USAF (MC), was reelected to the Executive Committee. Designated as Fellows in the association were Benjamin A. Strickland, Loyd E. Griffis, and James B. Nuttall. In a concurrent session held by the Airline Medical Directors Association, Francis N. Kimball was elected president.

At the meeting of the American Society of Biological Chemists, Cleveland, the following officers were elected: president, Vincent duVigneaud; vice president, H. A. Mattill; secretary, Elmer H. Stotz; treasurer, P. P. Cohen. W. M. Stanley was elected councilor to serve with H. T. Clarke and C. F. Cori.

The American Society for Pharmacology and Experimental Therapeutics has elected the following officers: president, McKeen Cattell; president-elect, K. K. Chen; secretary, Carl C. Pfeiffer; and treasurer, Robert P. Walton. Walter F. Riker, Jr., Cornell University Medical College, was awarded the John J. Abel Prize in Pharmacology for his work on the pharmacology of neuromuscular function. This prize, consisting of \$1,000 and a bronze medal, has been donated by Eli

Lilly & Company for the purpose of stimulating fundamental research in pharmacology and experimental therapeutics by young investigators working in colleges, universities, hospitals, or any nonprofit institute.

The thirty-fifth annual meeting of the **Federation of American Societies for Experimental Biology** was held in Cleveland, Ohio, April 29–May 3. The federation is composed of The American Physiological Society, The American Society of Biological Chemists, the American Society for Pharmacology and Experimental Therapeutics, The American Society for Experimental Pathology, the American Institute of Nutrition, and The American Association of Immunologists. Geoffrey Edsall, president of the American Association of Immunologists, was chairman of the federation and presided at the joint session and at the meetings of the Executive Committee. The total attendance at the meeting was 4,787. Twelve hundred and ninety-eight papers, dealing with new research in the fields of the experimental medical sciences, were given at the 126 scientific sessions. At the joint session, three papers were presented covering subjects of wide general interest: Physiological Adaptation to Cold in Arctic and Tropic Animals (Laurence Irving, of the Arctic Health Research Center, USPHS); Hormonal-Enzymatic Mechanisms in Insect Growth and Metamorphosis (Carroll M. Williams, Biological Laboratories, Harvard); and Mechanisms of the Biological Effects of Penetrating Radiations (Cornelius A. Tobias, Donner Laboratory, University of California). These papers will be published in full in the June and September issues of *Federation Proceedings*. Sixty-two scientific and technical exhibits were on display, showing laboratory equipment, apparatus, books and journals, pharmaceutical, and other industrial researches and exhibits by federation members, foundations, and universities. The American Society for Pharmacology and Experimental Therapeutics, the American Society for Experimental Pathology, and the American Institute of Nutrition held dinner meetings, and various other groups arranged special functions and meetings during the convention. Symposia were presented by the American Physiological Society, the American Society of Biological Chemists, the American Institute of Nutrition, and the American Association of Immunologists.

The **Society for the Study of Evolution** will hold its annual meeting on the Berkeley campus of the University of California June 25–28. In addition to various papers, there will be two symposia, demonstration papers, and trips to Stanford University and the Division of Plant Biology, Carnegie Institution of Washington. G. Ledyard Stebbins, Jr., will lead the symposium on "Population Structure and Species Formation," and Reuben A. Stirton, the symposium on "Vertical and Horizontal Evolutionary Diversification." On June 26, the society will hold its first dinner meeting, at which the speaker will be Alden H. Miller, who will talk on "Current Research in Colombia by the University of California." Theodosius Dobzhansky,

of Columbia University, will give the first presidential address, "Creative Evolution," to which the public is invited. Those planning to attend should communicate with Robert C. Stebbins, Museum of Vertebrate Zoology, University of California, Berkeley 4.

The 1954 meeting of the **Ohio Academy of Science** will be held at Ohio University, Athens, and *not* at Ohio State, as published in *SCIENCE* May 4 (p. 541).

Miscellaneous

The Science Section, Bureau of Higher Education and Science, **Ministry of Education, Tokyo**, has prepared a list of foreign publications desired by Japanese universities. The list is in two forms: an alphabetical list of publications; and a list of publications desired by each university, junior college, and research institution. The lists are available from the Army's Reorientation Branch, New York Field Office, 139 Centre St., New York 13.

Mellon Institute has changed the title of its head, Edward R. Weidlein, from director to president. Dr. Weidlein has also been elected chairman of the board. John G. Bowman, president-honorarius of the University of Pittsburgh, was made vice president of the board, and George W. Wyckoff, secretary. Edward B. Clarke was appointed treasurer. Concurrently, these assistant directors have been named directors of research: E. Ward Tillotson, William A. Hamor, George D. Beal, Leonard H. Cretcher, and George H. Young.

The **Nature Conservancy** has published as the current issue of *The Living Wilderness* "Nature Sanctuaries in the United States and Canada," an inventory of all important areas having natural history values that are at least partially protected under public ownership. The inventory lists 691 nature sanctuaries, each characterized as to location, size, extent and kind of disturbances, type of vegetation, and principal mammals. Areas are arranged according to principal vegetation types of "biomes" (deciduous forest, prairie, etc.), and introductory discussions analyze the status of sanctuaries in each of these major types. Outline maps showing the sanctuaries for each type are included. Copies may be obtained for 50¢ each from S. Charles Kendeigh, 200 Vivarium Bldg., Wright & Healey Sts., Champaign, Ill.

Chemicals wanted by the Registry of Rare Chemicals, 35 W. 33rd St., Chicago 16, Ill., are: zinc trithionate; tetrasilane; chromium hexacarbonyl; silicon chlorotrifluoride; potassium magnesium chlorophyllin; methyl erucate; tribromofluoromethane; cyclohexyl isovalerate; trans-1,2-cyclopentanedicarboxylic acid; 1,4-diamino-2-methylbutane; 1,2-diketohydrindene; pentachlorobenzaldehyde; 4'-methyl-2,4-diaminoazobenzene; N-hexacosane; 2,3-angelica lactone; tibatin; scopolin; fabiatriin; nethamin hydrochloride; and trypaflavin.

Carl F. Tessmer, formerly director, Atomic Bomb Commission, Hiroshima, has been appointed Commanding Officer, Army Medical Service Field Research Laboratory, Fort Knox, Ky.