

# NEWS

## and Notes

**Serge Korff**, physicist at New York University College of Engineering, left for Europe on January 25 to continue his studies of cosmic rays. He will compare his test data with those of scientists at laboratories in Italy, France, Switzerland, Denmark, Sweden, and England to determine whether cosmic rays differ in intensity at various geographic locations.

**Henry W. Fowler**, curator of Fishes in the Academy of Natural Sciences of Philadelphia, is making a 4-month study of the fresh water fishes of Colombia, particularly those in the headwaters of the Atrato, Magdalena-Cauca, Orinoco, and Amazon Rivers. His expedition is supported by a grant from the American Philosophical Society.

**Maurice M. Shapiro**, physicist at Oak Ridge National Laboratory, has been appointed head of the section on heavy-particle physics in the Nuclear Division of the Naval Research Laboratory, Washington, D. C.

Appointment of **Harvey A. Neville** as dean of the Lehigh University Graduate School and **Robert P. More** as associate dean of the College of Arts and Science was recently announced. Both appointments will become effective July 1.

**Arthur B. Lamb**, of Harvard University, will retire from the editorship of the *Journal of the American Chemical Society* at the end of this year. His successor will be **W. Albert Noyes, Jr.**, of the University of Rochester, son of the editor whom Dr. Lamb succeeded in 1918. Both Dr. Lamb and Dr. Noyes are former presidents of the Society. Dr. Lamb will continue to serve the journal as consulting editor.

**R. Lee Clark, Jr.**, director of the University of Texas M. D. Anderson Hospital for Cancer Research, has been elected to the Cancer Committee of the American College of Surgeons.

**Roy P. Forster**, professor of zoology at Dartmouth College, left for Europe January 27 to spend several months visiting universities and biological laboratories. The remainder of his sabbatical leave will be spent in research on the energetics of cellular transport in renal tubules at the Bermuda Biological Station for Research and at the Mount Desert Island Biological Laboratory.

**Mariafranca Carpaneda**, assistant professor of biology at Quincy College, Quincy, Illinois, is returning to Milan, Italy, after a year and 4 months of teaching and research in the U. S. She plans to continue research on *Chlorella* with a chemical antibiotics producer there.

**E. C. Hamblen**, professor of endocrinology in the Duke University School of Medicine, is on a 3-week lecture tour of western cities. In Los Angeles, he will present a course at the Obstetrical and Gynecological Postgraduate Assembly of Southern California February 14-19 and give an address at the College of Medical Evangelists. From there he will go to Oklahoma City to participate in postgraduate courses on endocrinology. The final lecture will be given in Chicago February 23, where he is scheduled to present the annual Bacon lecture in obstetrics and gynecology at the University of Illinois School of Medicine.

**Florence S. Tabor**, acting dean of the School of Home Economics in Pratt Institute since the resignation of **Joan M. Rock** in 1943, has been made dean, effective February 1.

### Visitors to U. S.

**B. R. Seth**, on leave of absence as head of the Department of Mathematics of Hindu College, New Delhi, India, has joined the Iowa State College staff for the calendar year 1949. He is teaching courses in theory of elasticity and theoretical hydrodynamics, while assisting in a seminar on research in applied mathematics. Dr. Seth will participate in the 3rd Annual Symposium of Applied Mathematics at Ann Arbor, Michigan, next June.

**Erik Tetens Nielsen**, insect physiologist of Pilehuset Laboratory, Denmark, and research associate, University of Copenhagen, has begun a 6-month study of the ecology of Florida insects at the Archbold Biological Station, Lake Placid, Florida. Dr. Nielsen, assisted by Mrs. Nielsen, is working in this country under the auspices of Swarthmore College. His present program is concerned with the migration of butterflies.

### Grants and Awards

**Research Corporation** has announced a new installment of grants totaling nearly \$250,000. These first grants of 1949 were approved by the Board of Directors at their recent annual meeting in New York. At the same time, announcement was made of the 1949 recipients of the annual Research Corporation Scientific Awards. They are **Bruno Rossi**, professor of physics at the Massachusetts Institute of Technology, and **Henry Eyring**, dean of the University of Utah Graduate School.

**Union College**, Schenectady, New York, has received a gift of \$150,000 from **Frank Bailey**, of New York City, to establish the **Frank and Mary Louise Bailey** professorship of physics. **Vladimir Rojansky**, professor of physics at Union College since 1930, has been named to the new professorship.

**The Ohio State University Development Fund** has received two gifts totaling \$10,000: a grant of \$7,500 by the **Edward Orton, Jr.**, Ceramic Foundation to the fellowship endowment fund, and another of \$2,500 by the **Illuminating Engineering Society** Research Fund to finance research in the School of Optometry.

**The Marine Biological Laboratory at Woods Hole, Massachusetts**, has been granted \$150,000 by the **Rockefeller Foundation** to renovate Old Main. A basement, to be constructed this spring under the entire building, will contain research laboratories, dark rooms, cold rooms, and storage space. The Foundation has also donated \$100,000 for the general support of the Laboratory.

## Fellowships

A 6-week General Electric Science Fellowship Program has been announced by officials of Union College and Case Institute of Technology. The study program is open to 100 science teachers to be selected on a competitive basis from 19 northeastern states and the District of Columbia. Applications must be submitted before April 1 to Elmer Hutchisson, Case Institute of Technology, Cleveland 6, Ohio.

Smith College announces the following fellowship and scholarship awards available in 1949-50 to qualified women students for graduate work in scientific fields: 2 or more teaching fellowships each in bacteriology, botany, chemistry, geology, physics, psychology, and zoology, carrying a stipend of \$900 for the first year and \$1,000 for the second year, with remission of tuition fees; research fellowships, carrying stipends dependent upon the contract involved, in genetics and physics; and 7 trustee fellowships (giving tuition and residence) and 4 trustee scholarships (giving tuition only) for work in any college department (several of these will be awarded to science students). Full information and application blanks (to be submitted on or before March 1) may be obtained from Florence E. Young, Graduate Office, Smith College, Northampton, Massachusetts.

## Colleges and Universities

The California Institute of Technology has completed its underground laboratory annex, combining facilities for housing experimental animals and for research in biology and biochemistry. Work to be carried on in the new \$150,000 building will include research in immunochemistry, genetics and immunology, cancer prophylaxis or therapy, pneumococcus studies, specificity of sexual fertilization, and neurophysiology.

The Department of Microbiology of New York University College of Medicine announces an intensive course in the theories and techniques of virus research to be given March 21-June 3. This full time course will include lectures, laboratory work, and

discussion. Credit for two full courses will be given by the Graduate School of the University. Because the number of students is limited to 12, early publication is recommended. Further information may be obtained from the Department of Microbiology, 477 First Avenue, New York 16, N. Y.

Fundamental problems of growth and malignancy are the subject of a series of meetings being presented by the Department of Pathology, College of Medicine of the University of Vermont and State Agricultural College. Speakers at forthcoming meetings, which will be held in the Fleming Museum at 8:00 p.m., are as follows: February 16, W. U. Gardner, Department of Anatomy, Yale University School of Medicine; March 3, Leon O. Jacobson, Billings Hospital, University of Chicago College of Medicine; March 24, M. Demerec, Carnegie Institution of Washington, Department of Genetics, Cold Spring Harbor, Long Island; April 7, Harold F. Blum, National Cancer Institute and Princeton University; May 5, T. M. Sonneborn, Department of Zoology, University of Indiana; June 2, C. P. Rhoads, Memorial Hospital and Sloane-Kettering Institute for Cancer Research.

## Industrial Laboratories

Elvin H. Killheffer, of the Du Pont Company Development Department, Wilmington, Delaware, has retired after 29 years. An authority on tariffs, Dr. Killheffer was a member of the U. S. delegation to the United Nations Conference on Trade and Employment at Havana in 1947.

The Westinghouse Electric Corporation has made 3 appointments in its new Atomic Power Division. The men are Philip N. Ross, assistant director of research; E. L. Kuno, assistant to the division manager; and L. C. Mechling, Jr., works engineer.

## Meetings and Elections

The National Malaria Society held its annual meeting conjointly with the American Society of Tropical Medicine, the American Academy of Tropical Medicine, and the American Society of Parasitologists in New Orleans, December 5-9, 1948, and

elected the following officers for 1949: president, Wendell Gingrich, Galveston, Texas; president-elect, Paul F. Russell, New York City; vice president, Ernest Carroll Faust, New Orleans; director for a 3-year term, H. W. Van Hovenberg, Mt. Pleasant, Texas; and editor, Frederick L. Knowles, Memphis, Tennessee. Martin D. Young, of Columbia, South Carolina, continues as secretary-treasurer. The American Academy of Tropical Medicine also elected its 1949 officers: president, Lowell T. Coggeshall, University of Chicago; vice president, Ernest Carroll Faust, Tulane University; secretary, Clay G. Huff, Naval Medical Research Institute, Bethesda, Maryland; treasurer, Henry E. Meloney, New York University; and councillor, Willard H. Wright, National Institutes of Health, Bethesda, Maryland. At the same meeting workers in the fields of parasitology and tropical medicine of the midwest were organized as **Midwestern Parasitologists** and elected H. J. Van Cleave, of the University of Illinois, as president. Plans are under way for a meeting of the group at the University of Wisconsin in June. Information about the meeting and membership may be had by writing David R. Lincicome, Department of Microbiology, University of Wisconsin Medical School, Madison.

The recently organized American College of Veterinary Pathology elected the following temporary officers to serve until the final adoption of its constitution and by-laws: president, William H. Feldman; vice president, Alfred G. Karlson; secretary-treasurer, T. C. Jones.

The Cooper Union Forum is conducting three series of lectures on Sundays, Tuesdays and Fridays, at 8:15 in the Great Hall, 8th Street and Astor Place, New York City. The subject of the Sunday evening series (January 23-April 10) is "Asia in Ferment." The Tuesday evening series (January 25-April 12) is concerned with "Our Search for Mental Health." The Friday series (January 28-April 8) offers "Expressions of the Contemporary Scene."

The Institute of Medicine of Chicago, at its annual meeting on De-

cember 7, elected the following officers for 1949: Henry T. Ricketts, chairman of the Board of Governors; William F. Petersen, vice chairman; Herman L. Kretschmer, president; Archibald L. Hoyne, vice president; George H. Coleman, secretary; and Grant H. Laing, treasurer. Warren W. Furey, Eric Oldberg, Charles B. Puestow and H. Prather Saunders were elected to the Board of Governors. An illuminated parchment scroll was presented to George H. Coleman as a tribute of appreciation for 25 years of service as secretary. Citizen fellowship was conferred on Ella M. Salmonsén, medical librarian of the John Crerar Library.

## NRC News

The Pacific Science Board, with the cooperation of the Navy Department, and assisted by funds from the Office of Naval Research, the Viking Fund, Inc., and private sources, is conducting a program known as Scientific Investigations in Micronesia. The program, which is a continuation of Coordinated Investigation of Micronesian Anthropology, carried on in the Trust Territory of the Pacific Islands for the past two years, offers 10 research openings with the following probable distribution: 2 anthropologists (archeology, physical anthropology, or linguistics); 2 botanists; 1 geographer (human or economic); 1 medical researcher (hypertension or parasitology); 1 nutrition researcher; 3 zoologists (1 in entomology). The estimated time in the field for these assignments will be not less than 4 or 5 months, with individual salary supplements ranging from \$100 to \$400 per month, depending upon the qualifications of the applicant. In addition, there will be a reimbursement for field expenses including subsistence and native assistance up to \$100 per month. Transportation outside the continental U. S. will be arranged by the Navy Department. While unattached scientists may be sent out on individual contracts, the Board favors the former arrangement of the CIMA program, under which participants were sponsored by an institution assisting them with equipment, publication of results, and supplementary funds.

Applications for the research open-

ings should be sent to the Pacific Science Office, NRC, 2101 Constitution Avenue, Washington 25, D. C., so as to arrive before *April 1*. It is expected that assignments and field arrangements can be made effective by early June. All applications should be on a graduate or on a post-doctoral level, and should contain details of previous field experience and academic background, as well as a description of the proposed research project, including the locality considered most desirable.

The Committee for Research in Problems of Sex of the National Research Council announces that requests for grants-in-aid during the fiscal period July 1, 1949–June 30, 1950, will be received until *March 15*. Application blanks may be obtained from the Division of Medical Sciences, National Research Council, 2101 Constitution Avenue, Washington 25, D. C. Preliminary inquiries should be addressed to the chairman of the committee, George W. Corner, director of the Department of Embryology, Carnegie Institution of Washington, Wolfe and Madison Streets, Baltimore 5, Maryland.

Members of the Committee on Aviation Psychology were recent guests of the Secretary of the Navy aboard the aircraft carrier Saipan, on a cruise to Guantanamo Bay, Cuba. The group also included Navy doctors and psychologists of the Bureau of Medicine and Surgery. En route, a regular meeting of the Committee was held to discuss the Navy's current research program in aviation psychology and to review the progress made on investigations conducted for the Bureau of Medicine and Surgery by the Committee.

H. R. Crookshank, formerly in the Biochemistry Department of the Medical College of Alabama, is now assistant executive secretary of the Division of Biology and Agriculture and the American Institute of Biological Sciences of the NRC.

## Deaths

Imre, F. Patai, 54, physicist and a member of the staff of Franklin Institute's Bartol Research Foundation at Swarthmore, Pennsylvania, died January 19 in the University of

Pennsylvania Hospital after a brief illness.

Stephen Capps, 67, U. S. Geological Survey geologist, died January 19 in Washington, D. C. of a heart attack.

William Clarence Ebaugh, 71, professor emeritus of chemistry at Denison University, Granville, Ohio, died in Newark, Ohio, December 28.

The American Academy of Arts and Sciences, 28 Newbury Street, Boston, is presenting an exhibit and a series of popular lectures on astronomy during February. Prepared by the staff at the Harvard College Observatory and sponsored by the Academy, the program includes daily lectures on astronomical subjects as well as exhibits of current activities at the Harvard observing stations and transparency panels on the galaxies, the Milky Way, the sun, and meteors. The exhibit is open from 9 a.m. to 5 p.m. on weekdays and 9 a.m. to 12 noon on Saturdays. The lectures are given at 3:45 during the week and at 11:00 a.m. on Saturdays. They are open to the public without charge.

UNESCO will provide a weekly radio news program on developments in the fields of education, science, and culture, to be available to U. S. radio stations beginning February 19. The scripts will be prepared by the Paris headquarters of UNESCO and transmitted to broadcasting networks throughout the world. Radio stations in the United States may request copies of the programs, which are entitled "UNESCO World Review—Weekly Radio News About Education, Science, and Culture," from the UNESCO Relations Staff, Department of State, 1778 Pennsylvania Avenue, Washington 25, D. C.

The Avawatz Mountains, 40 miles south of Death Valley, are being mapped by Richard H. Jahns, geologist, and A. E. J. Engel, mineralogist, of the California Institute of Technology. Object of the survey is to trace the Garlock Fault, (which appears from aerial photographs to lie along the east side of the range) and determine whether this area contains the key to important regional geological structures in the Southwest. The fault

has been active for millions of years. By mapping the inner recesses of the range, which has a maximum altitude of about 6,000 feet, Drs. Jahns and Engel hope to learn how far the mountains have moved and when the moving took place.

**The American Psychiatric Association's** newly established Inspection and Rating System for mental hospitals in the U. S. and Canada will have as director Ralph M. Chambers, until recently superintendent of Taunton State Hospital, Taunton, Massachusetts. A Central Inspection Board of 10 psychiatrists under the chairmanship of M. A. Tarumianz, superintendent of Delaware State Hospital, Farnhurst, Delaware, will serve as the governing body of the new system. Made possible by grants from the Psychiatric Foundation, the Inspection and Rating System is designed to stimulate the same kind of voluntary improvement in public and private mental hospitals that a similar procedure developed in 1918 by the American College of Surgeons achieved in general hospitals. Communications concerning the Inspection and Rating System should be directed to Ralph M. Chambers, c/o American Psychiatric Association, 1270 Avenue of the Americas, New York City.

**A method of studying wind velocities in the upper atmosphere** by means of visible smoke clouds has been made possible by the V-2 rocket No. 42, fired at White Sands, New Mexico, last December. The rocket reached an altitude of about 67 miles at a speed of 3,000 mph. The smoke generator was equipped with a delay mechanism timed to function 68 sec after take-off and when the rocket rose from 20 to 40 miles, it emitted a stream of smoke clearly visible for 15 minutes. The movement of the smoke in the wind was photographed by cameras on the ground, thus measuring velocity at a height from 100,000 to 200,000 feet above the earth's surface. The equipment was designed and operated by experts from the Munitions Division, Technical Command, Army Chemical Center, Maryland.

**"The Behavior of Rocks and Rock Masses in Relation to Military Geology"** is the subject of volume 44, number 1, of the Colorado School of Mines

*Quarterly*, now available for distribution. The author is Wilmot R. McCutchen, Lt. Col., Corps of Engineers, USA. The report may be obtained from the department of publications, Colorado School of Mines, Golden, Colorado, for \$1.00 postpaid in the United States.

**The Foreign Service Institute** of the Department of State is instructing Foreign Service Officers and other government personnel in those phases of sociological and anthropological science appropriate to the conduct of relations with peoples of other cultures. This "area and language study" is carried out by the following staff: Henry Lee Smith, Jr., director of the School of Language Training and assistant director of the Institute; George L. Trager, professor of linguistics and anthropology; John M. Echols, associate professor of linguistics; Charles A. Ferguson and Carleton T. Hodge, assistant professors of linguistics, Naomi Pekmezian, instructor in linguistics, and Edward A. Kennard, professor of anthropology and linguistics (School of Advanced Officer Training).

### Recently Received—

Report of the Chief of the Soil Conservation Service, 1948, by H. H. Bennett. Publication of the U. S. Department of Agriculture. Washington 25, D. C.: Supt. of Documents, U. S. Government Printing Office, 1948. \$20.

Soviet science (from *Pravda*). (Occasional pamphlet no. 8, November, 1948, of the Society for Freedom in Science.) Copies available from the Assistant Secretary, Society for Freedom in Science, Dept. of Zoology, University Museum, Oxford, England.

The subspecies of the Massasauga, *Sistrurus catenatus*, in Missouri by Philip D. Evans and Howard K. Gloyd. (Bulletin of the Chicago Academy of Sciences, December 22, 1948.)

Ninetieth anniversary celebration of the Iowa State College, 1858-1948. Iowa State College, Ames, Iowa.

Bulletin Analytique, Vol. VII, Parts 1 and 2. Published monthly by Le Centre National de la Recherche Scientifique, Service de Documentation

du C.N.R.S., 18, rue Pierre-Curie, Paris (5<sup>e</sup>).

Science Review. Official monthly publication of the Metropolitan Detroit Science Club.

National Research News. Published monthly by the National Research Council of Canada.

Symposium on spectroscopic light sources. (Special technical publication No. 76.) Published by the American Society for Testing Materials, 1916 Race Street, Philadelphia 3.

Australian Journal of Scientific Research. Published by the Council for Scientific and Industrial Research in collaboration with the Australian National Research Council. Issued in two series. Annual subscription each series. 30/, single issues 7/6. Ed: Australian Journal of Scientific Research, c/o Council for Scientific and Industrial Research, 314 Albert Street, East Melbourne, C.2., Victoria.

Preliminary bulletin of postgraduate courses. American College of Physicians, Inc., Spring, 1949, Executive Secretary, E. R. Loveland, 4200 Pine Street, Philadelphia.

Dania Polyglotta. Annual report published by the Institut Danois de échanges Internationaux de Publications Scientifiques et Littéraires I.D.E., Copenhagen, Denmark.

Report of the President of the Carnegie Institution of Washington for the year ending September 30, 1948.

Wissenschaftliche Dienst. Published monthly by Internationale Presse Austausch Gesellschaft M.B.H., Hamburg 13, Harvestehuder Weg 5, Germany.

New Products. Booklet published by The N. Y. Journal of Commerce., 63 Park Row, New York City. \$50.

### Make Plans for—

**Research Conference on Coccidiosis** of the New York Academy of Sciences, March 4-5 (originally scheduled for March 3-4), American Museum of Natural History, New York City.

**New York Academy of Medicine**, Section of Microbiology, symposium, March 15-16, New York City.

**American College of Physicians**, 30th annual session, March 28-April 1, New York City.