

# NEWS and Notes

**Maurice Goldhaber**, professor of physics at the University of Illinois, has been appointed to the Department of Physics at Brookhaven National Laboratory where he will direct studies of the energy levels of atomic nuclei. Dr. Goldhaber's wife, **Gertrude Scharff-Goldhaber**, will also join the Brookhaven staff. Her research has been with neutrons, photoneutrons, and nuclear disintegration.

**Maurice I. Smith**, chief pharmacologist in the U. S. Public Health Service, is retiring after 30 years of research at the National Institutes of Health and the Hygienic Laboratory, its predecessor. His work there has included studies on the assay of pituitary extracts, on B complex vitamins, on DDT and other insecticides, and on the chemotherapy of tuberculosis.

**Lewis K. Sweet** has been appointed chief of the newly established Clinical Unit of the Microbiological Institute, National Institutes of Health. Dr. Sweet has been chief medical officer at Gallinger Municipal Hospital in Washington, D. C., since 1938.

**Royal Merrill Frye**, formerly of Boston University, has been appointed professor of physics at Simmons College, Boston. Dr. Frye's special field is spectroscopy, and he was in charge of gathering spectrographic data at the Bikini atom bomb tests in 1946.

**John Salem Lockwood**, professor of surgery at Columbia University, has been appointed clinical director and chief of surgical services at Memorial Hospital for the Treatment of Cancer and Allied Diseases, New York City, to take charge July 1. **Allen O. Whipple**, present director of clinical activities, will give his full time to supervising educational work at the Memorial Cancer Center.

**Otto A. Reinking** will retire April 30 as professor of plant pathology and head of the division at New York State Agricultural Experiment Station, Cornell University. He has accepted an appointment as an agriculturist with the U. S. Department of Agriculture, Office of Foreign Agricultural Relations, and has been assigned as counselor in plant industry and plant pathology to the Philippine Government in Manila.

## Visitors to U. S.

**Ronald A. Fisher**, statistician of the University of Cambridge, England, recently lectured at the Michelson Laboratory, Naval Ordnance Test Station, Inyokern, California.

**Niels Bohr**, physicist at the University of Copenhagen, and **J. T. Henderson**, chief of the Electricity Section, National Research Council of Canada, Ottawa, were recent visitors at the National Bureau of Standards.

**S. L. Tandon**, lecturer in botany at the University of Delhi, has been appointed research assistant in botany at the State College of Washington, Pullman, Washington.

## Grants and Awards

A \$52,500 Rockefeller Foundation grant has been given the University of Michigan's Research Center for Group Dynamics. Work to be done under the grant will be in developing methods for measuring factors that hold groups of persons together and studying the way ideas and information circulate within a group.

Recipients of the \$1,000 Borden Awards for 1949 have been announced by the professional and scientific organizations administering the awards, as follows: Association of American Medical Colleges—**Fuller Albright**, associate professor of medicine, Harvard Medical School, and physician, Massachusetts General Hospital, for his work on the metabolism of bone and other tissues and their relation to the renal and endocrine factors that control them;

American Veterinary Medical Association—**Raymond R. Birch**, professor emeritus of veterinary research, New York State Veterinary College, Cornell University, for research on brucellosis; American Home Economics Association—**Kate Dawm**, head of the Department of Nutrition, University Hospitals, and associate professor of dietetics, Department of Internal Medicine, College of Medicine, State University of Iowa, for studies on the iron metabolism of normal women; American Institute of Nutrition—**Harry J. Deuel, Jr.**, dean of the Graduate School, University of Southern California, for work on vitamin A and the nutritional value of fats; American Dairy Science Association—**Francis J. Doan**, professor of dairy manufacturing, Pennsylvania State College and Agricultural Experiment Station, for various researches on milk; Poultry Science Association—**Richard M. Fraps**, physiologist, Bureau of Animal Industry, Department of Agriculture, for research on the physiology of avian reproduction; American Chemical Society—**George R. Greenbank**, research chemist, Bureau of Dairy Industry, Department of Agriculture, for various studies on milk and milk products; American Academy of Pediatrics—**Alfred H. Washburn**, director, Child Research Council of Denver, and professor of pediatrics and chief of the Department for the Study of Human Growth, University of Colorado, for work on blood diseases in children, and human growth and adaptation; American Dairy Science Association—**George H. Wise**, head of animal nutrition, Department of Animal Industry, North Carolina State College, for work on forages and the physiology of dairy calf nutrition.

A Frederick Gardner Cottrell grant of \$5,000 has been awarded by the Research Corporation to **Stephen S. Friedland**, of the University of Connecticut, for investigation of the mechanism of Geiger discharge by means of mass spectrometer studies.

The 1950 \$1,000 award of the American Urological Association for research on the male reproductive system has been awarded to **John S. Edwards**, of the University of California, for his work on the physiology of the male reproductive system.

tive tract will be present to Carl R. Moore, chairman of the Department of Zoology, University of Chicago, at the association's annual meeting in Washington, D. C., May 29.

## Fellowships and Prizes

**The University of Massachusetts**, through the Lotta Crabtree Foundation, is offering two graduate fellowships in the field of agriculture. The fellowships, available annually, carry a stipend of \$2,000 and cover tuition. They are open to qualified students working for the doctorate degree in some recognized phase of agriculture. Further information may be obtained from F. J. Sievers, director of the Graduate School, University of Massachusetts, Amherst.

**The National Paraplegia Foundation** announces the establishment of a limited number of fellowships for research in spinal cord disease and trauma and in their associated complications. These fellowships carry a minimum stipend of \$3,000 per year and are open to any candidate who has demonstrated a capacity for medical research and has outlined a program of meritorious study. The fellowships will be awarded by the Medical Advisory Committee during the academic year 1950-51. Application forms may be obtained from L. W. Freeman, Chairman, Medical Advisory Committee, National Paraplegia Foundation, Hotel La Salle, Chicago 2, and should be submitted not later than *June 1*.

**The fifth annual AAAS-George Westinghouse science writing competition** for two awards of \$1,000 each has been announced. One award will be made for the outstanding science news story published in 1950 by a newspaper or press association. The other award will go to the writer of the best article on science published during the year in a nontechnical magazine. Entries will be judged on initiative, originality, scientific accuracy, and clarity of interpretation, and for their value in promoting a better understanding of science by the public.

The board of judges, representing

science, the public, and the news and magazine writing crafts, will be announced later. The awards will be presented next December 28 in Cleveland, Ohio, at the annual meeting of the AAAS, which administers the science writing competition.

In the newspaper competition, entries submitted must have been published between October 1, 1949, and September 30, 1950; in the magazine field, entries must have been published in issues dated between October, 1949, and September, 1950, inclusive. All entries must be posted before midnight, *October 8*.

The rules governing the newspaper competition require each entrant to submit three separate articles published during the contest year and to designate one of the three as the entry upon which he wishes to be judged. All three may have been published by the same newspaper or carried by the same press association.

Entry blanks with detailed rules for the 1950 AAAS-George Westinghouse science writing awards may be secured from Howard A. Meyerhoff, Chairman, Managing Committee, 1515 Massachusetts Avenue, N.W., Washington 5, D. C.

The 1949 newspaper award went to Lester Grant of the New York *Herald Tribune* for his series on cancer, and the magazine award was presented to George W. Gray, a freelance writer, for his article on the human brain, "The Great Ravelled Knot," which appeared in the *Scientific American*.

The awards are made possible by a grant from the Westinghouse Education Foundation.

**The Iowa State University College of Medicine** is offering two fellowships in medicine to graduates of approved medical schools, on the basis of half-time teaching and half-time research in the Departments of Anatomy, Bacteriology, Biochemistry, Pathology, Pharmacology, Physiology, and Hygiene and Public Health, including Parasitology. Candidates need not have had clinical internships. The salary will be \$3,600 on a 12-month basis for single candidates, and \$4,000 for married candidates. Applications should be sub-

mitted by *May 1* to the Office of the Dean, College of Medicine, State University of Iowa, Iowa City, Iowa.

## Summer Programs

**A vertebrate zoology field course**, conducted by W. Frank Blair, will be offered by the Department of Zoology, University of Texas, June 7 to July 15, in the northwestern part of the Texas Panhandle. Work will include ecological surveys, collection and identification of vertebrate specimens, and application of methods of measuring vertebrate home ranges and population densities. Independent effort is encouraged, and students may work on problems of their own choice within the scope of the course. A major project will be the study of possible routes of vertebrate dispersal across the high plains. The course is open to male advanced undergraduate and graduate students in the biological sciences. Enrollment in the first semester of the university summer session and payment of a special field course fee of \$40 are required. Further information may be obtained from W. Frank Blair, University of Texas, Austin.

**The Fish and Wildlife Service** of the Department of the Interior announces that laboratory space will again be available for summer researchers at its Beaufort Station in North Carolina. Guest investigators will be furnished with large individual research bays in which to work, a skiff for local collecting, and sleeping accommodations. The station has aquaria tanks and fresh and salt water ponds. Facilities for radioisotope studies on nutrition or other physiological problems of invertebrates will be available to qualified investigators.

Applicants will be chosen on the basis of education, research experience, and applicability of their research to fishery or related marine problems. The service is especially interested in having two investigators who will work on the physiology of the shad (*Alosa sapidissima*). Applications and information may be obtained from Clinton E. Atkinson, Chief, Middle and South Atlantic Fishery Investigations, Fish and

Wildlife Service, Beaufort, North Carolina. Applications must be returned to the station by *May 15*, when a total of eight investigators will be chosen.

## Industrial Laboratories

David R. Schwarz, of **Schwarz Laboratories, Inc.**, New York City, left last month to spend six weeks in England, France, Belgium, Italy, and Switzerland, where he will study the increasing demand in Europe for some of the rare chemicals and pharmaceuticals now produced by Schwarz Laboratories, Inc. through its Fine Chemicals Division. Of special interest among these compounds are such fermentation intermediates as adenosine triphosphate, the phosphorylated sugars, and coenzyme I.

The Bjorksten Research Laboratories, specializing in technical development work for industry, have established an office in New York City, at 50 East 41st Street. The Chicago office of the laboratories will continue operations under the direction of Edwin L. Gustus, vice president. Johan Bjorksten, president, will divide his time between the New York office and the research laboratories of the corporation in Madison, Wisconsin.

The Sterling-Winthrop Research Institute of Rensselaer, New York, is completing a new group of laboratories, including an underground unit, for research in organic chemistry at various pressures. Other laboratories and the administrative center are completed and in operation. The new Chemical Development Laboratory will be officially dedicated May 17-18. It is to be under the direction of B. F. Tullar and E. D. Homiller.

## Meetings and Elections

A symposium on the basic aspects of radiation effects on living systems will be held at Oberlin College June 14-18. It was arranged by the Committee on Radiobiology of the National Research Council, and is intended to provide a thorough

survey of radiation effects through five panel discussions of the contributing fields of research.

The sessions and panel speakers are: "The Physical Processes Involved in the Interaction of Radiation and Matter"—H. M. Parker, R. D. Evans, Ugo Fano, C. A. Tobias, R. R. Wilson; "The Chemical Changes Resulting from the Absorption of Radiation"—James Franck, Milton Burton, Henry Eyring, Robert Livingston, R. L. Platzmann; "The Biochemical Processes Resulting from the Interaction of Radiation and Biological Tissues"—E. S. G. Barron, W. M. Dale, Georg Hevesy, M. D. Kamen, Raymond Latarjet; "Cellular Changes and Effects Produced by Radiation"—R. E. Zirkle, N. H. Giles, Alexander Hollaender, H. J. Muller; and "Effects of Radiation on the Whole Mammalian Organism"—A. M. Brues, D. R. Charles, T. C. Evans, H. B. Jones, and Shields Warren. Those interested in attending the symposium should write to Dr. Harvey M. Patt, Argonne National Laboratory, P. O. Box 5207, Chicago 80 (not later than *April 15*).

A symposium on application of spectroscopy in the petroleum industry will be held May 16 at Armour Research Foundation of Illinois Institute of Technology, under the sponsorship of the Chicago Chapter of the American Association of Spectrographers.

The 31st annual session of the American College of Physicians will be held in Boston, April 17-21. Headquarters will be the Mechanics Building, 111 Huntington Avenue, where general sessions and panel discussions will be held and the technical exhibit will be located. A new feature in the program will be color television clinics, in addition to the regular hospital clinics.

A symposium on general cytology will be held May 1-2, under the sponsorship of the Departments of Bacteriology, Biological Science, Botany, Physiology, and Zoology at Michigan State College. The four speakers on the program are Franz Schrader, Columbia University, C. Leonard Huskins and Hans Ris, Uni-

versity of Wisconsin, and William Doyle, University of Chicago. Further information can be obtained from Ralph W. Lewis, Department of Biological Science, Michigan State College, East Lansing.

The first meeting of the newly organized **Histochemical Society** was held at the University of Pennsylvania Medical School in Philadelphia March 24-25 and the following officers were elected: president, G. B. Wislocki, Harvard University; vice president, D. Glick, University of Minnesota; secretary, R. D. Lillie, National Institutes of Health; and treasurer, E. W. Dempsey, Harvard University.

**The National Science Foundation Bill.** On March 27 the Senate formally requested a conference with the House of Representatives to resolve the differences between the Senate and House National Science Foundation bills. Senate members of the conference committee are: Elbert D. Thomas, James E. Murray, Herbert H. Lehman, Robert A. Taft, and H. Alexander Smith. House conferees are J. Percy Priest, Andrew J. Biemiller, George H. Wilson, Carl Hinshaw, and Joseph P. O'Hara.

The following letter to Senator E. D. Thomas from Roger Adams, AAAS president, dated March 14, states the opinion of the Association on the loyalty amendment to the bill, introduced by Representative Howard W. Smith:

The scientists of the American Association for the Advancement of Science, nearly forty-five thousand in number, have been essentially unanimous in support of the National Science Foundation Bill. We have noted, however that a very unfortunate amendment was attached to the Bill which reads as follows:

No person shall be employed by the Foundation and no scholarship shall be awarded to any person by the Foundation unless and until the Federal Bureau of Investigation shall have investigated such person and reported to the Foundation that such person is loyal to the United States, believes in our system of government and is not and has not been at any time a member of any organization declared subversive by the Attorney General or any organization that teaches or advocates the overthrow of the government by force or violence.

Speaking for the Association, I urge you to do everything possible to eliminate this amendment. You realize that the Atomic Energy Commission has funds for the support of scientific men who are working in the atomic energy field where secret information is involved. They must be and should be cleared by the Federal Bureau of Investigation. The students who will benefit by the National Science Foundation Bill will not be working in research of a secret character and, therefore, should not be required to submit to an FBI investigation. The amendment is worded so that any individual who might have been attached at any time to any organization which is now considered subversive by the Attorney General would be excluded from help under the National Science Foundation Bill. This is particularly objectionable since many organizations now considered subversive were not considered so until recently. The amendment provides that the Federal Bureau of Investigation has the final word and the individual is not permitted to defend himself against unjust decisions. This amendment is even more rigid than that required of those who will have access to secret information.

I trust that you will understand the point of view of the scientists in asking you to have this amendment eliminated. They are as interested as the congressmen in protecting the United States against those who advocate overthrow of our present government. They are opposed, however, to unnecessary procedures which inevitably will delay appointments of competent scientists for research work and to regulations which do not permit accusations to be open and publicized. The National Science Foundation should be given the authority of scrutinizing carefully the individuals who are appointed and if there is any doubt in their minds concerning the loyalty of the individuals the matter could be referred to the Federal Bureau of Investigation.

**Two new AAAS volumes will be published next month:** *Centennial*, a collection of papers presented at the AAAS Centennial Celebration held in Washington, D. C., September 13-17, 1948, and *Brucellosis*, papers read at the symposium sponsored last September by the National Institutes of Health, the National Research Council, and the Department of Agriculture.

Most of the symposium volumes published by the AAAS have been based upon special programs of its sections, its affiliated societies, and its Gordon Research conferences. In publishing the papers presented at

the brucellosis symposium, the association is extending its publishing interests to activities sponsored by other scientific organizations, thus furthering its objective of increasing public understanding of the work of scientists and their progress in specific fields.

Members' advance order prices are: *Centennial* (about 320 pages) \$3.75; *Brucellosis* (about 308 pages) \$2.75. Checks or money orders may be mailed to AAAS Publication, 1515 Massachusetts Avenue, N.W., Washington 5, D. C.

**The Office of Naval Research Biological Sciences Division and the Atomic Energy Commission Division of Biology and Medicine** have agreed to administer separately their former joint program of financial support for research projects conducted by universities and other research institutions. Most of the projects concerned will continue to receive financial support from the AEC, and Navy-owned equipment will be maintained on loan at those institutions where continued interest exists. The decision, made at a recent conference of the two divisions, will enable the AEC to establish a closer working relationship with scientists in its field of interest, and will make it possible for the ONR to assist other areas of the biological sciences not as amply supported at present.

**A program for the eradication of yaws and syphilis** in rural areas of the Latin American regions has been set up by the Pan American Sanitary Bureau, regional office of the World Health Organization, in collaboration with the UN International Children's Emergency Fund. Sacha Levitan, consultant on venereal disease, and Adhemar Paoliello, an expert in mass treatment of populations, are now in Haiti making a survey of available facilities, and will assist in the operation of the project. The program for total elimination of these diseases will be carried out through mass procedures for diagnosis and treatment, establishment of permanent treatment dispensaries and mobile units, and organization of a system of case finding through home visits. It is

planned to extend the campaign to the Dominican Republic soon.

The PASB is also sending Federico Gomez, consultant in maternal and child health, on a four-month trip through Latin America to gather information for a health program to reduce infant mortality in those countries.

**The Museum of Zoology** of the University of Michigan has received a collection of study skins of birds of Canada and the U. S., collected by the late Max M. Peet. The collection of 30,000 specimens includes examples of many rare or extinct species—for example, the only two known specimens of Sutton's Warbler.

## Make Plans for—

**Association of Southeastern Biologists**, annual meeting, April 7-8, University of Virginia, Charlottesville, Virginia.

**American Association of Pathologists and Bacteriologists**, annual meeting, April 14-15, Madison, Wisconsin.

**American College of Physicians and Surgeons**, annual meeting, April 17-21, Boston, Massachusetts.

**Federation of American Societies for Experimental Biology**, annual meeting, April 17-21, Atlantic City, New Jersey.

**Electrochemical Society**, annual meeting, April 19-22, Hotel Statler, Cleveland, Ohio.

**Third World Health Assembly**, opening, May 8, Geneva, Switzerland.

**International Symposium on Use of Chloramphenicol**, June 3-5, Milan, Italy.

**Nutrition Conference, UN Food and Agriculture Organization**, June 5-15, Rio de Janeiro, Brazil.

**International Ornithological Congress**, June 10-17, Uppsala, Sweden.

**International Institute in Hospital Organization**, June 18-30, Rio de Janeiro, Brazil.