

NEWS and Notes

Sterling P. Fergusson, research fellow at the Blue Hill Meteorological Observatory, Harvard University, retired July 1 in his 80th year, after nearly 61 years of professional meteorological work at Blue Hill (40), the University of Nevada (6), and the U. S. Weather Bureau in Washington (15).

Thorbergur Thorvaldson retired July 1 as head of the Department of Chemistry, University of Saskatchewan, a position he had held since 1919. **John W. T. Spinks**, staff member of the University, has been appointed the new head of the Chemistry Department. Dr. Thorvaldson will continue as dean of the College of Graduate Studies.

Gerhard P. Hochschild, formerly on the staff of Harvard University, has been named assistant professor of mathematics at the University of Illinois.

Alfred H. Meyer, of Valparaiso University, and **Henry M. Leppard**, of the University of Chicago, are currently engaged as visiting professors in geography at the summer session of the University of California at Los Angeles.

Zaboj V. Harvalik, associate professor of physics, School of Mines and Metallurgy, University of Missouri, Rolla, was recently appointed professor of physics, Institute of Science and Technology, as well as research associate at the ORDARK project, University of Arkansas. Dr. Harvalik will assume his new duties in September.

Myron L. Simpson, assistant professor of biology at Gettysburg College, Gettysburg, Pennsylvania, has resigned his position to accept appointment as professor of biology and chairman of the department at Westminster College, New Wilmington, Pennsylvania, effective in September.

Adolph E. Sandberg, formerly of the University of Cincinnati, who has been working in foreign oil geology for the past few years, has been appointed to a professorship in geology at Louisiana State University.

Kenneth C. Beeson, specialist in soils and fertilizers, has succeeded **Karl C. Hamner** as director of the U. S. Plant, Soil, and Nutrition Laboratory at Ithaca, New York. Dr. Hamner has resigned to become head of the Department of Botany at the University of California, Los Angeles.

Chester N. Frazier, Edward Wigglesworth professor of dermatology and syphilology at Harvard University Medical School and director of the Dermatology Service of the Massachusetts General Hospital, has been appointed visiting professor of dermatology and syphilology at the University of Texas Medical Branch, Galveston. He will supervise research work on the etiology of cardiovascular syphilis and residency training in dermatology and syphilology at the John Sealy Hospital.

Emil Witschi, who has been granted a leave of absence from the Department of Zoology, State University of Iowa, for 1948-49, will serve as visiting professor at the University of Tuebingen in the French occupation zone of Germany. The professorship is sponsored jointly by the General Education Board of the Rockefeller Foundation and the University of Iowa.

Conrad B. Link, of the Brooklyn Botanic Garden, has been appointed professor of floriculture in the Department of Horticulture at the University of Maryland and will be in charge of teaching and research in ornamental horticulture. **Pardon W. Cornell**, formerly of the University of Massachusetts, has been made associate professor of ornamental horticulture in the same department.

Stanislas F. Snieszko has been made director of the Microbiological Laboratory, U. S. Fish and Wildlife Service Experiment Station at Lee-town, West Virginia. He is now engaged in investigations on methods of treatment and control of fish diseases. One of the next investigations to be

undertaken by the Laboratory will concern the role of bacteria in the turnover of organic and inorganic material in fresh waters.

Robert Cushman Murphy, of the American Museum of Natural History, has been elected an honorary member of the Royal Society of New Zealand.

Rufus Oldenburger, of Illinois Institute of Technology, has been appointed chairman of the Department of Mathematics at DePaul University, Chicago.

John P. Hubbard, who has directed a Study of Child Health Services for the American Academy of Pediatrics since 1945, has been named assistant professor of pediatrics at the University of Pennsylvania's School of Medicine. In his new position Dr. Hubbard will be simultaneously engaged in conducting a nation-wide program for the improvement of child health for the Academy and a rheumatic fever teaching program for the Pennsylvania State Health Department.

Austin A. Dodge, who has been with the Philadelphia College of Pharmacy and Science since 1941, has been appointed professor of pharmaceutical chemistry at the University of Mississippi, effective September 1.

Trawick H. Stubbs, associate professor of preventive medicine and community health at Emory University, will become dean of the University of Missouri School of Medicine September 1 upon the retirement of **Dudley S. Conley**.

George F. Branigan, of Iowa State College, has been named dean of the University of Arkansas College of Engineering, succeeding **George Patrick Stocker**, who has retired with emeritus rank.

Marcus Martin Rhoades, professor of botany at Columbia University, has joined the staff of the University of Illinois. Dr. Rhoades has recently been conducting a seminar in genetics at the Sorbonne.

Carl L. Anderson, formerly associated with the Veterans Administration in Philadelphia, has been ap-

pointed to the Mental Hygiene Division of the U. S. Public Health Service to serve as consultant in clinical psychology to District Office No. 3 in Chicago.

William B. Castle, professor of medicine at the Harvard Medical School and associate director of the Thorndike Memorial Laboratory since 1932, has been named director to succeed **George R. Minot**, who retires. Dr. Castle has for several years been closely associated with the work of his predecessor, who in 1934 received the Nobel Prize in medicine and physiology jointly with William P. Murphy and George H. Whipple for discoveries in the treatment of anemias.

Arno Emerson Town, clinical professor of ophthalmology at New York University's School of Medicine, was appointed professor of ophthalmology at the Jefferson Medical College of Philadelphia on July 1. He succeeds **Charles E. G. Shannon**, who retired on that date.

Maxwell K. Goldstein, electronics engineer who has been on the staff of the Naval Research Laboratory for almost 10 years, has been named to organize and direct the Programs Research Unit of the Research Group, Office of Naval Research. This new office will apply scientific and operational research methods to planning and evaluating ONR's applied research programs. Dr. Goldstein has had wide experience in the development of automatic remote indicating systems for antiaircraft gun control apparatus, radio navigation aids, and radio direction finders.

Bernhard Kummel, geologist with the Bureau of Economic Geology, University of Texas, has been appointed assistant professor of geology at the University of Illinois, where he will teach megascopic invertebrate paleontology and Mesozoic stratigraphy. He will begin his duties in September.

Isadore Rudnick, of Pennsylvania State College, and **Harold K. Ticho**, of the University of Chicago, have been appointed assistant professor and lecturer, respectively, in the Physics Department, University of California, Los Angeles.

Melvin H. Kinsely, of the University of Chicago, has joined the staff of the Medical College of South Carolina, Charleston, as professor and chairman of the Department of Anatomy. Additional departmental appointments include **Elsie Taber**, also of the University of Chicago, who will serve as assistant professor of anatomy and be principally concerned with the fields of embryology and endocrinology, and **Frank Brooks**, formerly of the U. S. Army in charge of a psychiatric unit at the Veterans Administration Hospital at Knoxville, Iowa, as assistant professor of anatomy.

H. Houston Merritt, formerly chief of the Division of Neuropsychiatry at Montefiore Hospital, has become professor of neurology and executive officer of the Department of Neurology of the Faculty of Medicine of Columbia University and director of the neurological service and attending neurologist at the Presbyterian Hospital. Dr. Merritt has done extensive research in the field of epilepsy.

Visitors to U. S.

Alan Fletcher, lecturer in applied mathematics, University of Liverpool, has arrived to visit the special library of Mathematical Tables at Brown University.

Otto Heinrich Warburg, winner of a Nobel Prize in 1931 for his work on cancer and the enzymes of respiration, has recently come from Germany to serve as visiting professor at the University of Illinois. Dr. Warburg is best known in this country for his work on sources of energy for the growth of tumors in rats and for his investigations in the field of photosynthesis.

R. N. Robertson, of the Division of Food Preservation, Australian Council for Scientific and Industrial Research, will be in the United States for the next month. His special interests are plant physiology and fresh fruit and vegetable storage.

Sir Chandrasekhara Venkata Raman, who recently retired from the Bangalore Research Institute to work at the Raman Research Institute, which he has founded in Bangalore, has ar-

rived to attend a meeting of the Advisory Council of the International Bank of Reconstruction in Washington, D. C., and to take part in the International Congress of Crystallographers, which is being held at Harvard this week. His discovery that light, when scattered, changes in wave length and color, known as the Raman effect, won him the Nobel Prize in 1930.

Grants and Awards

The Jane Coffin Childs Memorial Fund for Medical Research recently announced the appropriation of \$84,275 for support of various cancer research projects and fellowships. Recipients of the grants include: L. C. Strong, Yale University School of Medicine, supplement of \$500 for continued genetical investigations of cancer; Samuel C. Harvey, Yale University School of Medicine, \$3,000 for statistical, and \$8,500 for clinical and laboratory, studies of cancer; C. C. Little, Roscoe B. Jackson Memorial Laboratory, \$4,500 for study of the mammary tumor inciter and related problems; Eugene L. Opie, Rockefeller Institute for Medical Research, \$6,000 for cytochemical studies of hepatic changes induced by azo dyes; Harold P. Rusch and James A. Miller, University of Wisconsin, \$4,500 for studies on the metabolism of carcinogenic azo dyes and the effect of chemical structure on their activity; Paul R. Burkholder, Yale University, \$3,600 for studies of induction mechanisms and propagation of atypical growth in plants; Tracy M. Sonneborn and Willem J. van Wagtenonk, Indiana University, \$8,200 for investigations of "paramycin"; William B. Atkinson and Howard C. Taylor, Jr., Columbia University, \$4,100 for cytochemical investigations on hyperplastic and malignant uterine tissues in women in relation to their endocrine state; Edward L. Tatum, Stanford University, \$15,000 for studies on gene mutation in microorganisms in relation to enzyme production and activity; Edward W. Shrigley, Yale University School of Medicine, \$4,000 for biological studies of the Rous sarcoma virus; Frances L. Haven, University of Rochester School of Medicine & Dentistry, \$3,000 for studies on storage

and mobilization of fat in tumor-bearing rats; and Gray H. Twombly, Columbia University, \$5,000 for study of selective localization of hormones in normal and cancer-bearing tissues by radioactive estrogens. Yale's School of Medicine received \$1,000 and \$500 for maintenance of the animal house and expenses of seminars, respectively.

Fellowship awards were made to: Joseph E. Sokal, supplement of \$1,000 to work with H. S. N. Greene, Yale University School of Medicine; Edward T. Krementz, \$3,000 to work with Samuel C. Harvey, Yale University School of Medicine; Ernest Schwartz, \$1,500 to work with Samuel Graff, College of Physicians and Surgeons, Columbia University; and Helen P. Thompson, \$3,125 to work with K. R. Porter, of the Rockefeller Institute for Medical Research.

The Eötvös Medal, established this year by the Hungarian Academy of Science in celebration of the 100th anniversary of the birth of the Hungarian physicist, Lóránd Eötvös, has been awarded to J. Barnóthy and M. Forró for their contributions to the field of cosmic radiation.

The Charles Goodyear Medal of the American Chemical Society's Division of Rubber Chemistry was awarded on July 23 to David Spence, of Pacific Grove, California, internationally known authority on guayule rubber. Dr. Spence, who received the medal "for his scientific contributions to the growth of the guayule shrub and the production of rubber derived from it," served as a consultant on rubber problems to the Government in both World Wars. Since 1931 he has been acting as consultant and doing experimental work at the Jacques Loeb Laboratory of Stanford University.

Alan W. Bernheimer, assistant professor of microbiology, New York University College of Medicine, received the Eli Lilly Award in Bacteriology at the meeting of the Society of American Bacteriologists in Minneapolis on May 12. Dr. Bernheimer was cited for contributions to the knowledge of bacterial toxins. The award consists of a medal and a \$1,000 honorarium.

The 1948 Levy Medal of the Franklin Institute will be presented to Jan A. Rajchman and William H. Cherry, both of the RCA laboratories, at the Institute's Medal Day ceremonies on October 20. The award is given in recognition of their paper, "The Electron Mechanics of Induction Acceleration," which appeared in the April and May 1947 issues of the *Journal of the Franklin Institute*.

Fellowships

The American Physiological Society announces the availability of The Porter Fellowship in Physiology for the academic year 1948-49. The fellowship, carrying a stipend of \$2,400 per year, is open to qualified physiologists, preferably at the post-doctoral level. Applications should be made to M. O. Lee, Executive Secretary, American Physiological Society, 2101 Constitution Avenue, Washington 25, D. C.

A fellowship in the Department of Biology, Harvard Graduate School of Arts and Sciences, has been established from a fund provided by the American Creosoting Company. The fund will be used for support of research on the fundamental aspects of the deterioration of wood by fungi and other destructive organisms. The holder will receive an annual stipend of \$2,000 and will be expected to pay the usual \$525 yearly tuition. The successful candidate will be subject to the general requirements for the Ph.D. in the Department, and, at the end of his first year, the Graduate Committee will determine whether or not the candidate continues for completion of his Ph.D. While the research is to be fundamental in nature with no restrictions by the donors as to scope or content, the holder must give the American Creosoting Company the first opportunity to secure his service if he chooses to go into industrial research.

While a background in mycology, wood structure, physiology, and chemistry is desirable, in selection of the winning candidate more weight will be given his initiative interest, and potentialities for productive research. Candidates should apply on forms obtainable from the Graduate School of

Arts and Sciences, Farlow House, Harvard University, before August 15, 1948, so that selections can be made to enable the holder to begin work on September 27, 1948. Candidates will be notified of results not later than September 6.

Colleges and Universities

A cooperative study on poliomyelitis has been undertaken by Columbia University College of Physicians and Surgeons, the Neurological Institute of New York City, and the University of Texas Medical Branch. P. R. Harrington, of the Jefferson Davis Hospital, Houston, will also participate in the study, which has the purpose of devising satisfactory criteria for evaluating the neuromuscular status of poliomyelitis in patients. Investigations will be made on clinical chemotherapy, with special reference to antibiotics and synthetic compounds which have shown promise on experimental trial. The program will be directed by Murray Sanders, of the College of Physicians and Surgeons, C. C. Grulee, Jr., of the University of Texas Medical Branch, and S. Korey, of the Neurological Institute. A conference on the chemotherapy of poliomyelitis, to be held under the auspices of the New York Academy of Sciences, has been arranged for August.

A spectrographic laboratory is being installed at Indiana University by the Division of Geology of the State Department of Conservation. The laboratory will furnish analytical data on limestone, dolomite, sand, gravel, clay, coal ash, and other non-metallic raw materials. The first program of analysis will include limestones and dolomites of Indiana. Work will be directed by Richard K. Leininger, formerly of the Research Laboratories, Armco Steel Corporation, Middletown, Ohio.

The Graduate School of the University of Tennessee has announced that its Department of Botany will now offer studies leading to the Ph.D. degree. The fields of botanical investigation represented by the training and research interests of the staff are:

bryology, cytology, ecology, genetics, morphology, mycology, pathology, physiology, and taxonomy. Further information may be obtained by addressing the Department of Botany, University of Tennessee, Knoxville 16, Tennessee.

The Hitchcock Museum of Natural History at Amherst College, which will be open to the public this fall, will feature an exhibit which has recently been developed by the Geology Department. The device used for the exhibit, which was designed by George W. Bain, head of the Geology Department, and Theodore Soller, of the Physics Department, will permit a visitor to the Museum to press a button and see and hear a travelogue on some area of the world of current interest. From his extensive collection of color photographs showing landscapes and geological formations and phenomena both here and abroad, Dr. Bain has arranged slides in a series of topics, each concerned with a specific area or region. Through the use of a wire recorder, a running commentary is provided for each series.

The University of Southern California College of Aeronautics at Hancock Field, Santa Maria, California, has announced its new curricula in the field of aviation education. Four-year curricula will be offered in aeronautical engineering (B.E. degree) and air transportation (B.S. degree), and shorter courses will provide training in commercial aviation and airplane and engine mechanics and for pilot certificates and flight instructor and airline transport ratings. The College is under the direction of Allan Hancock.

A Postgraduate Course in Cardiology will be held in Mexico City at the National Institute of Cardiology of Mexico August 2-13, under the sponsorship of the American College of Physicians. The course, unique in that it offers a combined vacation and postgraduate study period, will be a review of the fundamental field of cardiology with especial reference to the work being done in the National Institute of Cardiology. The ACP is also arranging corresponding postgraduate courses to be held in the fall

covering internal medicine, endocrinology, cardiovascular disease, cardiology, and gastroenterology.

In addition to its director, Ignacio Chavez, professor of medicine at the University of Mexico and director of the Institute, the faculty will include George R. Herrmann, professor of medicine at the University of Texas, and Edward L. Bortz, associate professor of medicine, University of Pennsylvania, acting as guest instructors, and various members of the staff of both the Institute and the University of Mexico School of Medicine.

Further information about the remaining courses in the program may be obtained by writing to E. R. Loveland, Executive Secretary, The American College of Physicians, 4200 Pine Street, Philadelphia.

The Cornell Aeronautical Laboratory, Inc., until recently operated by the University through the Cornell Research Foundation, Inc., will continue its aviation research as a separate, autonomous unit. The principal reason for reorganization of the Laboratory was to clarify business relations with the University and the Government. Its nonprofit research facilities will continue to be available to the eastern aviation industry.

Meetings and Elections

The Fisheries Institute will convene August 9-14 at the Robert Richter Hotel, Miami Beach, under the sponsorship of the Marine Laboratory of the University of Miami, in cooperation with the U. S. Fish and Wildlife Service, the Florida State Board of Conservation, the Commercial Fisheries Association of Florida, and the Florida Wildlife Federation, together with the fishing industry and other conservation groups in the southeastern states and the Gulf and Caribbean areas. In addition to the presentation of papers, the program will include several round-table discussions: "The Need of a Central Clearinghouse for Fisheries Information in the Caribbean," "The Future of United States Fishery Enterprise in the Caribbean," "Employer-Employee Relations," "Decentralization of Fisheries Research and Federal Support at the State Level," and "How May the

Conflicting Interests of Sports and Commercial Fishermen Be Resolved?" Requests for information should be directed to the Fisheries Institute, Marine Laboratory, University of Miami, University Branch, Coral Gables, Florida.

The Field Day of the Connecticut Agricultural Experiment Station will be held this year on August 18 at the Experimental Farm in Mt. Carmel, Connecticut. The theme of the Field Day, "How Science Improves Agricultural Crops," will be developed by the featured addresses by E. C. Stakman, of the University of Minnesota, president-elect of the AAAS, and J. G. Horsfall, director of the Station. The exhibit will be one continuous display of scientific improvement of crops, using the bean plant as an example. Visitors may inspect all experimental plots and fields at the Station and will have an opportunity to learn about current research projects now in progress.

The American Society of Agronomy and the Soil Science Society of America are holding their annual meetings at Fort Collins, Colorado, August 24 through 27.

The American Association of Blood Banks will hold its first annual meeting at the Hotel Statler, Buffalo, New York, August 26-28. Information about the Association and the meeting may be obtained from the Office of the Secretary, 3301 Junius Street, Dallas 1, Texas.

A regional conference on applied statistics has been scheduled for September 7-9 at the Statistical Laboratory, Alabama Polytechnic Institute, Auburn. This conference, which is being held under a grant to the Statistical Laboratory from the General Education Board, will include programs allocated to papers on the application of statistical methodology to research in the social, plant, and animal sciences. Statisticians who will appear on the program include: George W. Snedecor, Gertrude M. Cox, Earl Houseman, Boyd Harshbarger, R. L. Anderson, H. L. Lucas, J. A. Rigney, and T. A. Bancroft. Brief research reports involving statistical methodology will also be presented by

research workers drawn mainly from the southeastern states.

The 30th summer meeting of the **Mathematical Association of America**, to be held at the University of Wisconsin, September 6-7, will include the following speakers: first session—W. H. March, University of Wisconsin and U. S. Forest Products Laboratory, "Mathematical Problems Associated with the Use of Laminates in Aircraft"; S. S. Cairns, University of Illinois, "Definition of Angles in Higher Dimension Spaces"; H. F. S. Jonah, Purdue University, "An Experiment in Teaching Large Classes in Mathematics"; second session—J. B. Rosser, Cornell University, "Exterior Ballistics of Artillery Rockets"; Samuel Eilenberg, Columbia University, "What Is Homotopy?"; and M. H. Stone, University of Chicago, "Enrichment of the Mathematical Curriculum for Juniors and Seniors."

A Gas Discharge Conference, to be held at the Brookhaven National Laboratory on October 27-29, is being arranged by a committee consisting of L. H. Fisher, New York University (chairman), W. P. Allis, Massachusetts Institute of Technology, J. B. H. Kuper, Brookhaven National Laboratory, and J. P. Molnar, Bell Telephone Laboratories, acting in cooperation with the Laboratory. Discussion is expected to be organized around four main topics: Fundamental processes in the gas and at the electrodes; Breakdown phenomena—DC and microwave; Counter tubes—physical processes (not circuitry); and Operating discharges—glows, arcs. Papers will be welcomed. Further information may be obtained from Mrs. M. K. Kuper, Executive Aide, Director's Office, Brookhaven National Laboratory, Upton, New York.

The **Virginia Academy of Science** held its 26th annual meeting in Roanoke on May 6-8 with Virginia Polytechnic Institute as host and Jesse W. Beams, professor of physics at the University of Virginia, presiding. Approximately 660 Seniors and 150 Juniors were in attendance. There were 170 papers presented in the 10 Sections of the Senior Academy and annual reports were submitted by

chairmen of 15 permanent committees. The Junior Academy was addressed by A. N. Vyssotsky, of the University of Virginia, and George W. Jeffers, of Farmville State Teachers College. Officers elected by this group were Paul Thompson, Grundy, president-elect, and W. Herman Bell, Jr., Norfolk, secretary. Beverly S. Parrish, Jr., Martinsville, was installed as president for 1948-49.

Henry Leidheiser, Jr., associate in chemistry at the University of Virginia, was awarded the J. Shelton Horsley Research Prize for his paper, "Generalizations Concerning the Surface Behavior of Single Crystals of the Face-centered Cubic Metals." Research grants totaling \$1,070 were made to Trent Laviana, Richard L. Hoffman, Percy C. Holt, and Marvin L. Bobb, of the University of Virginia; Edwin W. King and Wilson B. Bell, of Virginia Polytechnic Institute; Robert B. Platt, of the University of Pennsylvania; Zoe W. C. Black, of Mary Washington College; and R. F. Sessions, of the University of Richmond.

E. C. L. Miller, secretary-treasurer for 25 years, was presented by his friends a portrait of himself painted by Herbert E. Ives, physicist. The 15 winners of the 3rd Virginia Science Talent Search were announced. All have received college scholarships for the coming year. They are: William E. Atkinson, Richard E. Lyle, and Mary Ann DuVal, of Thomas Jefferson High School, Richmond; Bernard M. Brown and Paul L. Goodfriend, of Granby High School, Norfolk; Algar H. Cosby and Bertram C. Taurman, of John Marshall High School, Richmond; George P. McCasland, James B. Sutphin, and Anne Kerfoot Brown, of Lane High School, Charlottesville; Julien A. Scott, Jr., of Northampton High School, Eastville; Ashby W. Spratley, of Maury High School, Norfolk; Millard C. Townsend, of William Fleming High School, Roanoke; Paul G. Von Beck, of Warren County High School, Front Royal; and Elizabeth B. Bush, of William Byrd High School, Vinton.

Awards were also made to winners of Junior Academy exhibits, and two science club sponsors, Miss Vera Baron, of Martinsville, and Mrs. B. G. Heatwole, of Fishersville, were pre-

sented summer school scholarships as awards for their inspirational teaching of high school science. The Wilson Memorial High School Science Club, of Fishersville, won the E. C. L. Miller Award of \$50 for having carried out during the year the best club program of all 150 clubs in the State.

It was announced that during the year \$28,000 had been appropriated by the State Legislature for Academy projects—\$20,000 for helping to get under way the Virginia Institute for Scientific Research and \$8,000 for publishing a monograph on the James River basin. Gifts of \$3,000 for current expenses of the Academy and \$1,160 for work among "junior scientists" were announced. It was reported that the membership of the Academy now approximates 1,100.

For the first time the AAAS displayed an exhibit at a state academy meeting. About half of this exhibit was given over to Virginia Academy of Science material. The research committee of the Academy sponsored a demonstration of phase contrast microscopy by Oscar W. Richards, chief biologist of the American Optical Company. Some 35 exhibits were displayed by members of the Junior Academy.

Following the annual banquet, a panel discussion arranged by E. S. C. Handy was held on "The Social Responsibilities of Scientists in a Unique World." John Collier, president of the Institute of Ethnic Affairs, was discussion leader. Geological, biological, and industrial field trips were participated in by over 150 persons.

Officers elected for 1948-49 were Boyd Harshbarger, president-elect; E. C. L. Miller, secretary-treasurer; Foley F. Smith, assistant secretary-treasurer; and Guy W. Horsley, new member of the Council. Sidney S. Negus, chairman of the Chemistry Department at the Medical College of Virginia, was installed as president for 1948-49.

Richmond was selected as the meeting place for next year, the meeting being scheduled for May 5-7.

The **Colloquium of College Physicists** held its 9th annual meeting at

the State University of Iowa on June 10, 11, and 12. G. W. Stewart, professor of physics at Iowa, reports that 125 college physicists attended from 18 states and 70 colleges. Two dozen of them contributed to the exhibit new devices for lecture room and laboratory instruction, and much enthusiasm was shown over this creative work of the members. First, second, and third prizes were awarded, respectively, to Jerome Brewer, Midwest Research Institute, Kansas City, Missouri; Z. V. Harvalik, University of Missouri, Rolla, Missouri; and W. D. Bemmels, Ottawa University, Ottawa, Kansas.

The program consisted of reports on current researches in nuclear physics, origin of cosmic rays, and upper atmospheric research, presented, respectively, by Joseph M. Keller, of Iowa State College; W. W. Salisbury, director of research, Collins Radio Company; and James A. Van Allen, of the Applied Physics Laboratory, Johns Hopkins University. There were round-table discussions on scientific method, Princeton Conference on Science in General Education, and methods employed by 20 colleges in physics courses in general education. Dinner addresses were given by Dean Earl J. McGrath, on the function of science in general education; W. W. Waymack, of the Atomic Energy Commission; C. N. Wall, on comparisons of teaching opportunities in colleges and large universities; and Charles H. Schauer, of the Research Corporation.

The closing session on atomic energy control was participated in by Dean Louis N. Ridenour, C. Rogers McCullough, and W. W. Waymack.

The next meeting will be in June 1949.

The International Association for Hydraulic Structures Research, at its meeting in Stockholm, Sweden, June 7-9, selected Grenoble, France, as the place for its meeting in August 1949, preceding the conference of the International Congress of Navigation, which will be held in Lisbon. Delhi, India, was selected as the meeting place of its next triennium conference in February 1951.

The newly elected officers, whose terms are effective on January 1, 1949, are as follows: president, Lorenz G. Straub, U. S. A. (Minneapolis);

1st vice-president, E. Meyer-Peter, Switzerland; 2nd vice-president, A. N. Khosla, India; secretary, J. Th. Thijssse, The Netherlands. Permanent Committee members include, in addition to officers, G. De Marchi, Italy; P. Danel, France; and Sir Claude Inglis, England. Corresponding Members are B. Hellstrom, Sweden, and M. Bayer, Czechoslovakia. Wolmar Fellenius, the retiring president, was elected Honorary Member and ex-officio member of the Permanent Committee.

Local Sections of the Optical Society of America have recently held their annual elections. Some of these have been reported by Stanley S. Ballard, secretary of Local Sections of the Society, as follows: Rochester, New York—John H. McLeod, Hawk-Eye Works, Eastman Kodak Company, president; H. D. Polster, University of Rochester, vice-president; J. R. Benford, Bausch & Lomb Optical Company, secretary; and L. T. Steadman, University of Rochester, treasurer; Detroit, Michigan—David L. Fry, General Motors Research Laboratories, chairman; Karl W. Beyer, Pennsylvania Salt Manufacturing Company, vice-chairman; Daniel L. Harmon, University of Detroit, secretary; and W. R. O'Neill, Ethyl Corporation, treasurer; Niagara Frontier (Buffalo, Niagara Falls, and vicinity)—Galen Porter, Union Carbide and Carbon Company, president; Leland E. Havens, Durez Plastics & Chemicals Company, secretary; and Clair M. Birdsall, Linde Air Products Company, treasurer.

The new Ohio Valley Section of the Society was recently installed at the Charles F. Kettering Foundation, Antioch College, Yellow Springs, Ohio. Dr. Ballard, installation officer, spoke on this occasion on "Spectroscopy and Radiometry at Bikini." This section, which has a membership of about 50, was organized as an outgrowth of the Ohio Valley Spectrographic Society, founded in 1944 to serve interested groups in the area. The meetings will be distributed about equally among Cincinnati, Middletown, Dayton, and Yellow Springs. Officers of the new Section are: M. Eugene Merchant, Cincinnati Milling Machine Company, chairman; J. F. Woodruff, American

Rolling Mill Company, chairman-elect; C. S. Mills, also of Armco, secretary-treasurer; and C. H. Aneshansley, National Cash Register Company, Ivan T. Collier, Moraine Products Division, General Motors Corporation, Wendell R. Koch, Materials Laboratory, Wright Field, and Richard Olt, Monsanto Chemical Company, councilors.

NRC News

The Committee on Growth, acting for the American Cancer Society, is entertaining applications for grants and fellowships. Applications for extension of existing Grants in Cancer Research will be received until October 1; applications for new grants, until November 1. Final decision on applications submitted during this period will be made in most cases soon after February 1. Grants approved at this time ordinarily will become effective on July 1, 1949.

Fellowship applications may be submitted at any time. Those received prior to November 1 will be acted upon by the Committee in December. Those received between November 1 and March 1 will be acted upon in April. Fellowships ordinarily will begin on July 1, though this date may be varied at the request of the applicant.

During the past year the American Cancer Society, Inc., on recommendation of the Committee on Growth, has approved research grants and fellowships totaling over \$2,000,000.

Communications regarding grants and fellowships should be addressed to Executive Secretary, Committee on Growth, National Research Council, 2101 Constitution Avenue, N.W., Washington 25, D. C.

Deaths

Austin Roberts, of the Transvaal Museum, Pretoria, South Africa, died on May 5. According to word recently received, Dr. Roberts collapsed from heart failure at the wheel of his automobile while on a vacation trip. Dr. Roberts' American friends will be interested to know that his *Mammals of South Africa*, companion volume to the well-known *Birds of South Africa*, is almost ready for publication.

P. L. MacLachlan, 40, professor of biochemistry and head of the department, School of Medicine, West Virginia University, died July 17 of a cerebral hemorrhage.

The Library of Congress is now recruiting a number of qualified people to be engaged in abstracting government scientific and technical reports. The positions carry a salary of \$4,479 per annum. Applicants should have a Master of Science degree, but civil service eligibility is not required. Further information may be obtained from the Director of Personnel, Library of Congress, Washington, D. C.

Annual Reviews, Inc., has just announced that an *Annual Review of Psychology* is to be published under its auspices, Volume I to appear early in 1950. The preliminary organization is now complete. Calvin P. Stone and Donald W. Taylor, of Stanford University, will serve as editor and associate editor, respectively, and the Editorial Committee will consist of John E. Anderson, Institute of Child Welfare, University of Minnesota; John G. Darley, University of Minnesota; Clarence H. Graham, Columbia University; Carl I. Hovland, Yale University; and James G. Miller, University of Chicago.

It is intended that in the new *Review* the editorial policies which govern the *Annual Review of Biochemistry*, the *Annual Review of Physiology*, and the *Annual Review of Microbiology* will maintain. The subject matter of each annual volume will consist of critical appraisals of the research proceeding in the major divisions of the field. Subjects of greatest activity will be reviewed annually, while those of lesser activity, together with any topics which encompass small divisions of the field, will be reviewed biennially.

Organization of an *Annual Review of Physical Chemistry* of a similar type, operating under the same editorial policies and characterized by a corresponding recurring list of topics, has also been announced. This *Review*, to be edited by G. K. Rollefson, of the University of California, Berkeley, will be directed in the selection of topics and authors by an Edi-

torial Committee consisting of Henry Eyring, University of Utah; George Glockler, State University of Iowa; W. F. Libby, University of Chicago; J. W. Williams, University of Wisconsin; and E. Bright Wilson, Jr., Harvard University. The first volume of this *Review* will also appear in 1950.

Annual Reviews, Inc., is a non-profit corporation which was first constituted in 1932 to publish the *Annual Review of Biochemistry*. Since then it has initiated the *Annual Review of Physiology* (jointly with the American Physiological Society) and the *Annual Review of Microbiology*. The members and directors of Annual Reviews, Inc., consist of H. J. Almqvist, F. E. Booth Company, Inc., Emeryville, California; H. A. Barker, University of California, Berkeley; H. J. Deuel, Jr., University of Southern California; J. F. Fulton, Yale University; D. R. Hoagland, University of California, Berkeley; J. Murray Luck, Stanford University; and H. A. Spoehr, Carnegie Institution of Washington, Stanford, California.

A female specimen of the frilled shark, *Chlamydoselachus anguineus* garman 1884, was caught by Pete Metson, a commercial fisherman of Santa Barbara, on June 30, according to a note received from Elmer R. Noble, chairman of the Department of Biological Science, Santa Barbara College, University of California. The shark was caught in a surface net about 60 miles off Point Arguello, California, where the water is approximately 700 fathoms deep. This appears to be the first record of this species from the coast of North America. The shark has been on display at the Santa Barbara Museum of Natural History and is now at the California Academy of Sciences in San Francisco. Although the shark was eviscerated by the fishermen as soon as it was caught, the liver was saved. Some dimensions are as follows: total length, 1,718 mm; tip of liver to the last gill septum, 260 mm; anus to tip of tail, 655 mm.

The Mexican Government has pledged 20,000 Mexican pesos (slightly more than \$4,000) to the International Cancer Research Commission, headquarters for which will

be Mexico City during the next three years (see *Science*, April 30, p. 442). According to Rafael P. Gamboa, Minister of Public Health, who made the announcement, the Commission has been enthusiastically approved by both his Department and President Aleman. Invitations have been issued by the Mexican Department of Foreign Affairs to all countries to send delegates to the meeting of the Commission, to be held in Paris October 17-21.

The Atomic Energy Commission has announced the financing of 38 biological and medical research projects in non-governmental institutions, under a joint program with the Office of Naval Research. The \$1,300,000 project, to be administered by ONR, will include research programs at the following institutions: Barnard College, Boston University, California Institute of Technology, University of California (Berkeley), University of Chicago, Harvard University and Harvard Medical School, Massachusetts Institute of Technology, Peter Bent Brigham Hospital, Howard University, University of Illinois, University of Kansas, Massachusetts General Hospital, Meharry Medical College, Memorial Hospital for Treatment of Cancer, University of Missouri, University of North Carolina, Ohio State University, Rice Institute, University of Rochester, Saranac Laboratory, Sloan-Kettering Institute, Southern Research Institute, Tufts College Medical School, Union College, University of Virginia, Wake Forest College, Washington University, Western Reserve University, and Yale University.

Making Plans for—

International Society of Hematology, biannual meeting, August 23-26, Hotel Statler, Buffalo, New York.

Third Symposium on Combustion and Flame and Explosion Phenomena, September 7-11, University of Wisconsin, Madison.

Symposium on Cerebral Mechanisms and Behavior, September 20-25, California Institute of Technology, Pasadena.

Biological Photographic Association, annual convention, September 8-10, Houston Hall, University of Pennsylvania, Philadelphia.