

News and Notes

Meeting of the Southwestern Division of the AAAS

THE 28th annual meeting of the Southwestern Division of the AAAS was held at the University of Colorado at Boulder, May 1-4, in conjunction with the 23rd annual meeting of the Colorado-Wyoming Academy of Science. Affiliated societies participating in the program were the Colorado-Wyoming Branch of the Society of American Bacteriologists, the Rocky Mountain Branch of the American Psychological Association, the Colorado-Wyoming Section of the American Association of Physics Teachers, and the American Association of University Professors.

The total number of registrants was 457, the largest number ever to attend any of the meetings of this division. Of the 212 papers presented, 101 dealt with the biological sciences, including psychology, 68 with the physical sciences, 24 with the social sciences, including anthropology, and 19 with engineering research.

Although the various fields of botanical science were well represented in the 37 papers presented in the Plant Science Section, special emphasis was given to pathological problems and their methods of control. The papers in systematics dealt not only with floras of the four different states in the division but also with the floras of the Caroline Islands and Japan. The ecological papers were concerned with local regions, Oregon, and Canada.

The 42 papers that zoologists contributed comprised the largest number in any one science. Ecological problems of Colorado, Wyoming, and New Mexico received the greatest attention. Results of interesting physiological research were given, including a presentation by Ed. D. Crabb of a colored sound film on the extirpation and transplantation of a tumor in a Syrian hamster.

In the joint meetings of the Psychology Section and the Rocky Mountain Branch of the American Psychological Association, the papers dealt with experimental psychology, problem solving, and clinical psychology.

In the Physics Section, 32 papers were presented, including some dealing with research on cosmic rays, astrophysics, and theoretical physics. Laboratory procedures and problems involving the teaching of physics were also considered in this section.

The research described in the 36 papers given in the Chemistry Section was distributed among practically all the important fields of chemistry, but the greater number was concerned with research in organic and biochemistry.

The social scientists met together for one general session on the "Problems of Asia" and for another on "General Education in the Social Sciences." Section meetings were also held for the presentation of research papers in the fields of history, political science, economics, and sociology. Those investigating archaeological developments in various sections of Colorado

reported on their findings during the "Symposium on Colorado Prehistory," which was an important feature of the meetings of the Anthropology Section.

On the evening of the first day of the meetings, the John Wesley Powell Memorial Lecture was given by Karl P. Schmidt, chief curator of zoology of the Chicago Museum of Natural History. His subject was "The History of Animal Geography." Mr. Schmidt traced the history of theories proposed to explain present animal distribution from earliest historical records to the present. He emphasized particularly the importance of the theory of northern origin and questioned the necessity of calling upon theories of continental drift.

Following the annual dinner Friday evening in the new Masonic Building, the 200 scientists in attendance had the pleasure of listening to an illustrated lecture entitled "Into Central Australia," given by Alfred M. Bailey, of the Denver Museum of Natural History. The audience greatly enjoyed the remarkable colored movies of plants, animals, and aborigines in their native habitats, as well as the graphic description Dr. Bailey gave of the four-month expedition he led into central Australia. The object of the exploration was to collect material for the preparation of a new diorama to be placed in the Denver Museum of Natural History.

The Committee on Tours and Excursions, headed by Ralph D. Law, made arrangements for visits to various points of interest. The Cryogenics Laboratory of the U. S. Bureau of Standards at Boulder gave the visiting scientists the opportunity of inspecting the new Low Temperature Laboratory, where liquid nitrogen and liquid hydrogen are being made. A considerable number went on the scheduled auto trip to the top of Flagstaff Mountain, which overlooks Boulder, and many took advantage of the botanical excursions.

Local arrangements were under the supervision of James W. Broxon, professor of physics at the University of Colorado, who was assisted by a general committee drawn from the staffs of the fields of science represented in the AAAS. This committee, ably assisted by Hugo G. Rodeck, executive secretary of the Colorado-Wyoming Academy of Science, and Frank E. E. Germann, executive secretary-treasurer of the Southwestern Division, was responsible for the facilities and services provided.

Officers elected for next year are: president, Edna L. Johnson, University of Colorado; vice president, Paul E. Boueher, Colorado College; member of the Executive Committee, A. H. Berkman, College of Mines and Metallurgy, El Paso, Texas. Frank E. E. Germann, University of Colorado, continues as executive secretary-treasurer.

The next meeting will be held at Arizona State College, Tempe.

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Scientists in the News

John M. Anderson has been appointed associate professor of zoology at Cornell, following five years on the staff of the Zoology Department at Brown University.

For their contributions to telephone and other electromagnetic communications, **John Bardeen**, of the University of Illinois, and **Walter H. Brattain**, of Bell Telephone Laboratories, will be awarded Stuart Ballantine Medals by the Franklin Institute. Formal presentation of the awards will be made at Medal Day ceremonies on Oct. 15. Invention of the point contact transistor by Dr. Bardeen and Dr. Brattain grew out of their research on semiconductors, and specifically on the relatively rare element germanium, which is used in the new device.

Stanhope Bayne-Jones (brigadier general, ret.) has assumed his duties as civilian technical director of Army Medical Research, serving in the office of the Army Surgeon General. He succeeds the late **Francis G. Blake**, former dean of the Yale Medical School. Also a former dean of Yale Medical School (1935-40), Dr. Bayne-Jones will act as consultant to John R. Wood, chairman of the Army Medical Research and Development Board. Since 1947 he has been president of the Joint Administration Board of New York Hospital-Cornell Medical Center.

Doyle M. Bortner, chairman of the Department of Education and Psychology at Bates College, has been appointed professor of education and chairman of the Education Department at Hofstra College. Dr. Bortner has been at Bates College since 1948.

Everett T. Calvert has been appointed editor-in-chief of American Book Company as of Sept. 1. For the past 11 years, Dr. Calvert has been principal of Washington Elementary School, Pasadena, Calif. He will succeed **W. W. Livengood**, of the editorial staff of American Book Company since 1912 and editor-in-chief since 1931. Mr. Livengood will assume new duties as executive assistant to the president.

E. Alice Clark, Public Health Service nurse officer, has been assigned as chief nurse consultant to the Division of Venereal Disease. She will succeed **Hazel Shortal** (*SCIENCE*, 116, 81 [1952]), who was recently assigned to the Institute of Inter-American Affairs. Miss Clark has been public health nurse consultant to the Kentucky State Health Department since 1950, with headquarters in Louisville.

Charles Meade Grigg, of the University of North Carolina, has been appointed assistant professor of sociology in Brown University. Dr. Grigg is conducting a summer course at North Carolina before taking up his work at Brown.

Richard R. Holmes, for the past year assistant professor of organic chemistry at Oberlin, has been appointed head of the department at the University of North Dakota.

Abelardo M. Inocentes, of Mandaluyong, Rizal, Philippines, is at the Kessler Institute for Rehabilitation to study advanced techniques of rehabilitation and reconstructive and orthopedic surgery. Dr. Inocentes will remain for a year, and his studies will include visits to other centers and hospitals in the area. Dr. Inocentes helped to establish the National Orthopedic Hospital in Rizal in 1945 and is now one of the senior orthopedic surgeons at that hospital. He has served on the staffs of the Maternity and Children's Hospital in Manila, at the Bureau of Prisons Hospital, and the Manila Central Hospital.

As the new Hearst Research Laboratories at the National Jewish Hospital in Denver near completion, the appointment of **Gardner Middlebrook** as director of research and laboratories has been announced. Dr. Middlebrook leaves his post as associate in the Department of Pathology and Microbiology at the Rockefeller Institute for Medical Research to succeed **Harry J. Corper**, who has retired after 32 years as the Denver institution's research head.

Bernard L. Miller has joined the staff of St. Joseph's College as associate professor of physics. He has been with the research division of the Burroughs Adding Machine Company and was previously in charge of the development of the linear electron accelerator at the Bartol Foundation of the Franklin Institute.

Herbert Milwit has assumed command of the Engineer Research and Development Laboratories, Fort Belvoir, Va. He was formerly with the Photographic and Survey Section of the Joint Intelligence Group of the Joint Staff, and since August 1951 he has been a student at the Industrial College of the Armed Forces.

A. G. Norman, biochemist and division chief, Chemical Corps Biological Laboratories, Camp Detrick, Md., since 1946, has resigned to accept a research position at the University of Michigan, in charge of a project on plant nutrition supported by the Phoenix Memorial Fund.

Students and colleagues gave a dinner in honor of **Charles J. Pieper**, chairman of the department of Science Education at New York University, who will retire at the close of the summer session after 24 years of service with the university.

Harry M. Rose has been appointed chairman of the Department of Microbiology at Columbia University's College of Physicians and Surgeons. Dr. Rose has also been designated John E. Borne professor of medical and surgical research. He is secretary of the Medical Division of the Society of American Bacteriologists and a member of the Armed Forces Epidemiological Board.

Laurence H. Snyder, of the University of Oklahoma, and a member of the AAAS Executive Committee, has been designated to represent the officers and Executive Committee of the Association at the Third Alaskan Science Conference, Mount Me-

Kinley National Park, Sept. 22-27. The conference is also the second annual meeting of the Alaska Division of the AAAS.

Carl Tiedcke, director of the Laboratory of Microchemistry, Teaneck, N. J., is visiting Turkey at the invitation of the University of Istanbul for conferences and lectures on the application of modern microchemical methods to hygiene, sanitation, soil chemistry, and metallurgy.

Ernest S. Tierkel, veterinarian in charge of rabies control activities for the Communicable Disease Center, Atlanta, has left for a three months' tour of duty in Europe and Asia under the auspices of WHO. Before beginning his consultations with various governments, he taught at a 30-nation rabies conference July 14-28 at the Pasteur Institute, Coonoor, Madras, India. Nations that have asked for his assistance in rabies control this year include Burma, Thailand, Indonesia, Greece, Spain, and the western sector of Berlin. Dr. Tierkel is assistant chief of the Veterinary Public Health Section of the Communicable Disease Center, USPHS.

Alfred N. Watson has been appointed research associate in the School of Industrial Management at Massachusetts Institute of Technology. Dr. Watson was previously assistant treasurer of the Curtis Publishing Co. and president of National Analysts, Inc., Curtis subsidiary for market research. In addition to his duties at MIT, he will be associated with Arthur D. Little, Inc., where he will be engaged in the application of operations-research techniques to the study and improvement of business and industrial operations.

James Westfield, a mining engineer with 24 years of service in the Bureau of Mines, has been made chief of the Health and Safety Division. He assumes the post held by **J. J. Forbes** until his appointment as director of the Bureau of Mines last November. Mr. Westfield worked in coal and metal mines in Utah from 1921 until he joined the Bureau of Mines in 1928. From first-aid miner, he advanced to chief of the Accident Prevention and Health Division of the bureau's Region VIII, with headquarters at Pittsburgh, Pa., in 1950.

On July 14, the College of Physicians of Philadelphia awarded the Alvarenga Prize for 1952 to **Norbert Wiener**, professor of mathematics, Massachusetts Institute of Technology, for his contribution to the field of cybernetics. The Alvarenga Prize was established by the will of Pedro Francisco DaCosta Alvarenga of Lisbon, an associate fellow of the College of Physicians, to be awarded annually on the anniversary of the death of the testator, July 14, 1883.

Frederick Wyatt has accepted an appointment as chief of the Psychological Clinic of the Institute for Human Adjustment at the University of Michigan. He has also been appointed associate professor in the Department of Psychology.

Education

Columbia University has added two organic chemists to the staff of the Department of Chemistry: Cheves Walling will become professor of chemistry immediately, and Gilbert Stork will become associate professor on Feb. 1.

More than 100 college and high school mathematics teachers are attending a 10-day institute at **Duke University**, beginning this week. General theme of this year's institute, which was founded 12 years ago by W. W. Rankin, is "Mathematics at Work."

The **University of Illinois** has established an Institute for Research on Exceptional Children which will provide opportunities for training research workers and improve the effectiveness of the work of both public and private agencies. Director of the new institute will be Samuel A. Kirk, professor of education. An advisory committee representing the university, and the state departments of Public Welfare and of Public Instruction will be named to suggest guiding policies.

North Dakota Agricultural College has appointed Parker M. Green, of General Motors Institute, professor of mechanical engineering. Increased enrollment has necessitated an expansion of the Engineering Department.

George A. Wolf, Jr., has been appointed dean of the **University of Vermont** College of Medicine, succeeding William E. Brown, who retired June 30. B. F. Clark has been appointed assistant professor of obstetrics and gynecology, and H. T. Guare, assistant professor of radiology.

Grants and Fellowships

The **Birtcher Corporation**, of Los Angeles, has provided a grant of \$3500 to the College of Medical Evangelists' School of Medicine for research on the biological effects of ultrasonics. Charles E. Winter, of the Bacteriology Department, and Robert W. Woods, assistant professor of biophysics, are working on the project.

Commonwealth Fund British Fellowships for 1952-53 will enable 32 British scholars to come to the U. S. to study and do research in universities ranging from New England to the Far West. Among them are: Laurence J. Cohen, of Balliol College, Oxford, who will study mathematical logic at Princeton and Harvard; Hugh E. Huxley, of Christ's College, Cambridge, who will investigate the molecular structure of muscle and the mechanism of muscular contraction at MIT; Ronald B. Thompson, of King's College, Durham, who will study hematology at the University of Utah College of Medicine; and Vivian Vale, of Jesus College, Cambridge, will survey American labor history during the period 1859-79, initially at the University of Wisconsin.

Eastman Kodak Company is offering 14 fellowships

for advanced study in chemistry, chemical engineering, and in physics, and Tennessee Eastman Company is offering five additional fellowships to educational institutions in the Southeast. Each award provides \$1400 plus an allowance for tuition and fees, and the fellow is selected by his university in the last year of study for his doctorate. Catholic University, Illinois Tech, MIT, Ohio State, Princeton, Northwestern, Stanford, Cornell, Harvard, and the universities of Rochester, Texas, and Wisconsin are the recipients of the 1952-53 awards.

Rome Cable Foundation, Inc., has established the Herbert Thomas Dyett Scholarships for study in the fields of science, engineering, or business administration, in honor of the founder and chairman of the board of Rome Cable Corporation. Five graduates of the Rome (N. Y.) Free Academy were the first recipients. Three of them—Leon F. Albrecht, Jr., Joseph E. Carrier, and John E. Clark—will study at Cornell; Robert C. Kain will attend Rensselaer Polytechnic, and Carl J. Link, Jr., will enter Purdue.

Meetings and Elections

The **Advisory Group of the Armed Forces Medical Library**, composed of five civilians and four Armed Forces officers, replaces the Association of Consultants to the Army Medical Library. W. C. Davison, former president of the association and chairman of the Executive Committee, has been appointed to the new group. The other civilian members are Richard Shryock, Basil G. Bibby, Janet Doe, and Karl F. Meyer.

At the last meeting of the **AAAS Executive Committee**, the following organizations were granted affiliated status: American Association of Clinical Chemists, Inc. (Section C), American Ethnological Society, Inc. (Section H), Society of Exploration Geophysicists (Section E), the Southern Association of Science and Industry (Section P), and the Hawaiian Academy of Science.

The eighth general assembly of the **International Geographical Union** and the seventeenth **International Geographical Congress** are being held in Washington, D. C., Aug. 8-15. Other geographic organizations scheduled meetings which preceded the main international program—among them, the third Pan American Consultation on Geography, July 25-Aug. 4, in Washington; the 100th anniversary celebration of the American Geographical Society, Aug. 4-6, in New York; the annual meetings of the Association of American Geographers and of the National Council of Geography Teachers, Aug. 6-7, in Washington.

At the sessions in Washington two general symposia are planned—one dealing with tropical Africa, and the other with the world food supply. Sectional meetings have been scheduled for the presentation of papers on Geomorphology; Climatology; Hydrography; Demography and Cultural Geography; Urban and Rural Settlement; Resources, Agriculture, and

Industry; Trade and Transportation; Cartography; Historical and Political Geography; Biogeography; Regional Geography; and Teaching of Geography. In addition, commissions of the International Geographical Union have arranged sessions on Geographical Utilization of Aerial Photographs; Agrarian Geography; Bibliography of Ancient Maps; Industrial Ports; International Map of the World; Medical Geography; Periglacial Morphology; Population; Regional Planning; Soil Erosion; Terraces; and Inventory of World Land Use. The evening programs include a miscellany of receptions, entertainment, and lectures, as well as the official banquet on Aug. 13, at which Hans W. von Ahlmann will deliver the third Isaiah Bowman memorial lecture.

Excursions preceded the meeting in Washington, and others will follow. A New England excursion under the leadership of John H. Thompson and Edward C. Higbee was scheduled for July 26-Aug. 3; a tour of the industrial cities of the East and Midwest was arranged for July 26-Aug. 4 and will be repeated Aug. 16-25, under the leadership of Harold M. Mayer and Lester E. Klimm; a Southern excursion is scheduled for Aug. 16-26, with Eugene Mather and John Fraser Hart as leaders; and there is the inevitable transeontinental excursion, Aug. 16-Sept. 11, under the guidance of William E. Powers and Richard F. Logan.

George B. Cressey, of Syracuse University, has been president of the International Geographical Union since its last meeting, and he will give one of the principal addresses, on "Land for 2.4 Billion Neighbors," at the sessions in Washington. The U. S. National Committee, which has had general charge of arrangements, has been directed by Wallace W. Atwood, Jr., chairman, who is one of the AAAS representatives at the Congress. Other official AAAS representatives are Detlev W. Bronk, Paul B. Sears, and Howard A. Meyerhoff. Samuel Van Valkenburg has served as chairman of the congress program committee, and Clyde F. Kohn as chairman of the committee on excursions. The National Academy of Sciences and the National Research Council will act as official hosts, and the meetings will be held in the Hotel Statler.

Miscellaneous

A five-year research program on plate efficiencies in fractionating towers, a cooperative project between the **American Institute of Chemical Engineers** and 25 chemical, petroleum, and engineering organizations, will be carried out at the universities of Delaware and Michigan and at the Polytechnic Institute of Brooklyn. The work on the initial project, which is supported by \$64,000 in contributions for the first year, will be under the supervision of Brymer Williams (Michigan), J. A. Gerster (Delaware), and Ju Chin Chu (Brooklyn).

Recent visitors at the **Eastern Regional Research Laboratory**, ARA, Philadelphia, included Gunnar

Baalsrud, E. and O. Collett and Co., Oslo; Franco Testore and Enzo M. Bona, International Organization for Standardization, Torino, Italy; Joseph Meyer, president, Ceres de Mexico, Yucatán; and Pierre Desnuelle, Faculty of Sciences, Marseille.

At the request of the Bureau of the Budget the **National Science Foundation** is compiling statistical and fiscal information for 1951 and 1952 from federal agencies supporting scientific research and development programs by grant or contract with educational and other nonprofit institutions. The final report is expected to be available before Jan. 1.

The **New York Zoological Park** has revived the title of director, and John Tee-Van has been appointed to the position. Leonard J. Goss has been made assistant director and will continue as veterinarian. Lee S. Crandall, general curator, retired on July 31, but will maintain an office at the park and will be engaged in the preparation of books on the care, feeding, maintenance, and exhibition of wild animals in captivity, based on his 44 years of experience with the Bronx Zoo. Robert M. McClung has been named acting curator of mammals and birds. William Beebe has become director emeritus of the Department of Tropical Research, and Jocelyn Crane has been made assistant director. Dr. Beebe will return to the field station in Trinidad this fall to resume his research projects there.

The **Society of Protozoologists** is establishing a center of information for available cultures of free-living and parasitic protozoa and algal flagellates maintained in the U. S. and other countries. Scientists who are willing to cooperate in the formation of this reference list and who are willing to send cultures to other investigators should secure from the Committee on Culture of Protozoa a data card for each species maintained in their laboratories. Upon payment of a nominal fee, photostatic copies of the master data cards will be furnished. Chairman of the committee is L. Provasoli, Haskins Laboratories, 305 E. 43rd St., New York 17.

Recent Deaths

Fred R. Adams (80), dentist, Brooklyn, July 17; **Michael G. Albert** (51), radiologist, New York, June 21; **Charles E. Basso** (51), engineer, La Posta, Bolivia, July 17; **Walter A. Bastedo** (79), pharmacologist, New York, July 21; **Walter Van Dyke Bingham** (72), psychologist, Washington, D. C., July 8; **J. Harold Brownback** (54), biologist, Philadelphia, July 13; **James W. Buchanan** (64), director of research, Allan Hancock Foundation, Los Angeles, June 27; **Thomas S. Burns** (61), hydraulic engineer, Athens, July 7; **Hugh Cairns** (56), brain surgeon, Oxford, Eng., July 18; **Harry E. Clifford** (86), electrical engineer, Newton, Mass., July 7; **John M. Cunningham** (75), medical educator, Indianapolis, June 29; **Wilbur B. Dexter** (60), research chemist, Cleveland, July 13; **Horace A. Du Bois** (52), re-

search chemist, Neenah, Wis., July 18; **Virgilio Duceschi** (81), physiologist, Padua, Italy, June 21.

William J. Elser (79), pathologist, Kent, Conn., July 6; **Norman S. Essig** (82), dentist, St. Michael's, Md., July 2; **H. T. Fernald** (86), entomologist, Winter Park, Fla., July 15; **Alfred E. Forstall** (88), consulting engineer, Montclair, N. J., July 2; **Edwin H. Fox** (60), engineer, Cincinnati, July 13; **Erik Freitag** (68), engineer, Burlingame, Calif., June 28; **Augustin Frigon** (64), director of planning and research, Canadian Broadcasting Corporation, Sixteen Island Lake, Que., July 9; **Hoyt S. Gale** (76), geologist, Los Angeles, July 6; **Leo I. Hargadon** (71), librarian emeritus, Fordham University, New York, July 16; **Mary I. Hussey** (76), linguist, Andover, Mass., June 20; **Merritte W. Ireland** (85), former Army Surgeon General, Washington, D. C., July 5; **Henry E. Jacoby** (71), chemical engineer, Yonkers, N. Y., July 13; **Roland G. Kent** (75), philologist, Philadelphia, June 27; **Frederick H. Lane** (69), chemical engineer, Sarasota, Fla., July 12.

Warren B. Mack (56), of State College, Pa., horticulturist, Philadelphia, July 6; **Frank C. Parker** (74), eye surgeon, Norristown, Pa., July 2; **John C. Penn** (70), civil engineer, Dalton Manor, Ill., July 20; **Clara N. Perine** (85), anatomist and biologist, Primos, Pa., July 16; **Wilhelmina A. Ragland** (71), obstetrician, New York, June 27; **Warwick L. Scott** (60), archaeologist, London, June 19; **Victor Shevkunenko** (80), Lt. Gen. of Medical Services, USSR, Moscow, July 5; **Howard J. Shore** (70), biochemist, Fort Dodge, Ia., June 19; **George H. Smith** (66), immunologist, New Haven, Conn., July 7; **Bernard H. Smith** (73), of Brooklyn, industrial chemist, Stockholm, N. J., July 4; **Urbana Spink** (76), brain specialist, Indianapolis, July 7; **A. Monroe Stowe** (69), educator, Washington, D. C., July 16; **Nikolai Strazhesko** (—), surgeon, Moscow, June 28; **Freeman P. Stroup** (83), organic chemist, Oil City, Pa., July 19; **Allyn C. Swinnerton** (54), geologist, secretary AAAS Section E, 1941-44, Yellow Springs, O., July 6.

Norman S. Taber (60), economist, Orange, N. J., July 15; **Harris Taylor** (87), educator, New York, July 14; **Bayard T. Thompson** (73), entomologist, Berkeley Heights, N. J., June 27; **Phineas C. Thompson** (—), geologist, New York, June 20; **T. Kennard Thomson** (88), civil engineer, Yonkers, N. Y., July 1; **Louisa P. Tingley** (83), physician, Boston, July 16; **Homer B. Vanderblue** (63), economist, Evanston, Ill., July 12; **James B. Ward** (38), geologist, Port-au-Prince, July 9; **Elisabeth M. Weil** (—), of Pearl River, N. Y., dermatologist, New York, July 8; **Olin West** (77), physician, Nashville, Tenn., June 19; **Thomas H. White** (83), horticulturist, College Park, Md., July 5; **Moshe Wilbushewitz** (83), engineer, Tel Aviv, July 15; **George P. Winship** (80), bibliographer, Dover, Mass., June 22; **Abraham Wolfson** (58), orthodontist, East Orange, N. J., July 18; **Franklin P. Wood** (77), electrical engineer, Washington, D. C., July 18; **George C. Yeager** (74), physician, Pitman, N. J., July 7.