

sion that, although they still greatly surpass us in linguistic proficiency, there is an increasing tendency to disregard as unimportant our discoveries and ideas.

On our side the problem is even more acute. Since 1947 the Soviet scientific publications have been entirely in the Russian language. There are no longer even abstracts in English or French. No matter how understandable may be the Soviet demand for "equal rights" in the matter of languages, there is no doubt that most Western scientists fail to make use of Soviet scientific work. For many years they have been pursuing a course of scientific activity that has remained unknown, or little known, in America, and our own advances no longer benefit them as they should. At the stellar evolution symposium various misunderstandings could be attributed to this lack of knowledge and of interest on the part of each group in what the other was doing. This lack of knowledge is sure to generate contempt.²

I fear that there may already be signs of disregard on our part for the work of the Soviet astronomers. Such an attitude would be a great mistake and would

²There is plenty of contempt for our work in the Soviet publications (see my article in *Science*, 116, 206 [1952]), but at the Rome meeting it was either very cleverly concealed or, more likely, it was never genuinely present.

render a disservice to the United States. The fact that the Soviets have been unaware of some recent discoveries at Mount Palomar or at Harvard does not render their work useless or prove that they are not capable research workers.

My own careful appraisal, based upon my knowledge of the Russian language and upon thousands of hours spent in studying their publications, leads me to conclude that:

- a) They have more research workers in astronomy than we have;
- b) Their training is, on the whole, better than ours;
- c) They possess, on the average, less initiative than do our scientists;
- d) Their natural abilities are about the same as ours, but they tend to do better in theoretical studies than in observational and experimental work;
- e) The present output of research in the Soviet Union is enormous in amount, but its quality is inferior to ours;
- f) They do not now possess astronomical telescopes of the power of our 200-inch, 120-inch, 100-inch, and even our 82-inch and 69-inch telescopes, but they are making rapid strides in the construction of new and, in some respects, novel auxiliary equipment; and
- g) The acceleration in all fields of astronomical endeavor—training, research, publication, and public instruction—is livelier than in the Western world.



News and Notes

American Anthropological Association

THE 51st annual meeting of the American Anthropological Association was held Dec. 28–30, at the University Museum in Philadelphia. The total number of registrants was 450, the largest in the history of the association.

The chairman of the Program Committee, G. R. Willey, had arranged symposia on Human Nature; American Ethnology—An Inventory; Anthropologists and Technical Assistance (cosponsored by the Society for Applied Anthropology); Methods of Determining Significant Degrees of Relationship (cosponsored by the American Association of Physical Anthropologists); Recent Progress and the Present Status of American Archaeology (cosponsored by the Society for American Archaeology); and Old World Archaeology—The Integration of Relative Chronologies (cosponsored by the Archaeological Institute of America). In addition, there were programs of miscellaneous papers devoted to such topics as New World archaeology and culture history, applied anthropology, Asiatic ethnology, African and Haitian ethnology, the ethnology of Oceania, social anthropology, American Indian acculturation, and American ethnology and culture history. The total number of papers listed for presentation was 91, of which a few

were cancelled because of the inability of the speakers to be present.

A special luncheon was held by the American Ethnological Society to discuss informally publication problems in ethnology. About 60 persons were present, with G. P. Murdock presiding.

The Executive Board held meetings on Dec. 27, 28, and 30, the chief matters of discussion being the annual budget and problems of publication. Sol Tax, incoming editor of the publications of the association, was invited to present his program of action. He vigorously supported an aggressive publication policy designed to expand the *American Anthropologist*, the *Memoirs*, and the *Bulletin*. His goal is to increase the annual number of issues of the *American Anthropologist* from four to six, and to multiply the annual numbers of the *Memoirs* series. Dr. Tax presented proposals for financing this expanded program and was able to report heartening progress. The Executive Board, as part of its business, also voted to accept 54 persons as Fellows.

The annual business meeting of the Council, presided over by Wendell C. Bennett, president of the association, was attended by 143 Fellows. At this time the election of the following officers was announced: J. O. Brew, president-elect for 1953, and Harry Hoijer and Lauriston Sharp, members of the Execu-

tive Board for 1953-55. The new president is Fred Eggan, elected in 1951 under a new plan designed to give experience and continuity to incoming presidents by having them serve a year on the Executive Board as presidents-elect. The association noted with regret the death of three Fellows: Peter H. Buck, D. S. Davidson, and Karl Schmitt, Jr. It was announced that Julian H. Steward had been awarded the Viking medal and award in cultural anthropology.

An innovation of experimental character was the substitution by the association of a cocktail party for the traditional annual banquet. Held at the Penn-Sheraton Hotel, it was an unqualified success.

Local arrangements were under the supervision of F. G. Rainey, director of the University Museum of the University of Pennsylvania. He was ably assisted by several individuals, of whom special mention should be made of Alfred Kidder II, for so splendidly handling the mechanics of registration and the arrangement of lecture rooms and other accommodations. The museum gave a cocktail party for all registrants at the convention. This, supplemented by other arrangements, provided members with an unparalleled opportunity to engage in informal discussions. All evenings were left free of scheduled events.

The 1953 meeting will be held in December at Tucson, Ariz., with Edward H. Spicer in charge of the program, and Emil W. Haury in charge of local arrangements. The 1954 meeting will be held at Ann Arbor, Mich.

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Scientists in the News

Gladys M. Keener, executive editor of *SCIENCE* and *THE SCIENTIFIC MONTHLY*, and Howard A. Meyerhoff, administrative secretary of the AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE and chairman of the Editorial Board, will voluntarily discontinue their duties with the Association on March 31, and will subsequently submit their resignations. Their reasons for taking this step, announced to the directors a month ago, are administrative. Although the Publications Committee has formulated publication policy and is responsible for the directives under which the journals are operated, the editors have been repeatedly and severely criticized by the president, E. U. Condon, both for the content of *SCIENCE* and for its rigorous editorial standards. Critical of AAAS journals and meetings, the president-elect, Warren Weaver, took vigorous exception to the editorial "Boston 1953" (*SCIENCE*, 117, ad. p. 3 [Feb. 20, 1953]), in which the administrative secretary reaffirmed the soundness of current AAAS policies and attempted to correct the unfortunate impression that had been created by misstatements attributed to Drs. Condon and Weaver in a press interview. Although Mrs. Keener and Dr.

Meyerhoff have been asked to remain in their posts, they choose to withdraw in the interest of harmony and from a desire not to hamper the two administrations to follow that of Detlev W. Bronk, retiring president and chairman of the Board of Directors, whose administration they wholeheartedly support. Mrs. Keener has been with the Association since 1945 and has been executive editor of both journals since 1950. Dr. Meyerhoff succeeded the late F. R. Moulton as administrative secretary in January 1949, and had prior service as secretary of Section E (1937-40), elected member-at-large of the Council (1941-44), vice president and chairman of Section E (1944), and executive secretary (1945-46). No announcement has been made with reference either to their future plans or to their successors.

Alice I. Goldsby, of North Dakota Agricultural Experiment Station, has joined the staff of American Scientific Laboratories, Madison, Wis., as research parasitologist.

Bernhard Haurwitz, chairman and professor, Department of Meteorology and Oceanography, College of Engineering, New York University, has been named a member of the Committee on Geophysics and Geography of the Department of Defense Research and Development Board. Dr. Haurwitz has been a member of the committee's Panel on the Atmosphere for the past four years.

George W. Howard, chief of the Engineer Research and Development Laboratories, Fort Belvoir, Va., has received a \$15,000 Rockefeller Public Service Award, in recognition of outstanding public service. The award will enable Mr. Howard to spend a year visiting government and private research and development agencies in this country and abroad, to study methods of direction, planning, and management.

Wolfgang Huber, formerly group leader in organic chemistry, Sterling-Winthrop Research Institute, and, since 1945, director of chemical and biological research, Electronized Chemicals Corporation, has resigned as vice president of the corporation to enter practice as a management and research consultant. Dr. Huber recently organized a symposium on ionizing radiation at the Polytechnic Institute of Brooklyn.

Henry A. Knoll became dean of the Los Angeles College of Optometry on Feb. 2, succeeding Charles Sheard, interim dean since August 1952.

Albert K. Kurtz, on leave of absence from the Pennsylvania State College, is interim professor of psychology during the spring semester at the University of Florida.

John K. Northrop, aeronautical engineer and designer, has been retained on a part-time basis as a consultant to the president of the Garrett Corporation, Los Angeles. Mr. Northrop, who retired from the presidency of Northrop Aircraft, Inc., last November,

under doctor's orders, is undertaking a military product survey for AirResearch Manufacturing Company.

Louis J. Pecora has been appointed head of the Physiology Unit, Clinical Section, Occupational Health Field Headquarters, U. S. Public Health Service, Cincinnati. The unit is a newly created one and will be concerned with research in respiratory physiology and biochemistry, as related to industrial hazards.

Warren S. Peterson, of the Kaiser Aluminum & Chemical Corporation, Spokane, has been elected chairman of the American Chemical Society's new Inland Empire Section, which was formed to serve chemists and chemical engineers of eastern Washington and western Idaho. Other officers of the section are: chairman-elect, Herbert L. Redfield, of Kaiser Aluminum & Chemical; secretary-treasurer, Douglas R. MacIntyre, of Standard Oil Company of California, Spokane; counselor, Arthur L. McNeil, chairman, Department of Chemistry, Gonzaga University, Spokane.

Russell S. Poor has resumed his post as chairman of the University Relations Division of Oak Ridge Institute of Nuclear Studies, after a year's leave of absence. While on leave, Dr. Poor served with the National Science Foundation and with the University of Florida, where he directed a committee to plan integration of the proposed medical school with the university.

Howard S. Rappleye, chief, Section of Leveling, Division of Geodesy, will retire from the Coast and Geodetic Survey on Mar. 31, after more than 36 years of service. Mr. Rappleye plans to continue his research on various aspects of precision leveling.

Edwin A. Salmon, director of the New York University-Bellevue Medical Center, has announced his resignation because of ill health. **Donai Sheehan**, associate director, will administer the affairs of the center until the appointment of a new director, at which time Dr. Salmon's resignation will take effect.

Henry Tovey has been appointed senior literature chemist in charge of the Washington, D. C., Literature Research Branch of the Bjorksten Research Laboratories. Mr. Tovey replaces **James W. Perry**, who will remain in the organization as a consultant, and also in charge of a government-sponsored program for developing machine methods in searching and correlating scientific information.

The University of Sydney has conferred emeritus status on **W. L. Waterhouse**, who retired from the staff at the end of 1952, after 32 years of service with the Faculty of Agriculture. The council of the Royal Agricultural Society of New South Wales elected Dr. Waterhouse an honorary counselor, in recognition of his outstanding services to agriculture in Australia, especially in wheat improvement.

Education

Barnard-NBC Summer Institute of Radio and Television will be held June 29-Aug. 7. Both men and women may enroll, but they must be college graduates, or high school graduates with paid experience in radio or television. Full information and application forms (returnable by *June 1*) may be obtained from the institute, 401 Barnard Hall, New York 27.

George Washington University School of Engineering will offer, beginning next fall, a full curriculum leading to the Master of Engineering degree. Degrees awarded under the plan will be in general engineering, not in any particular field.

The **University of North Dakota** Medical School will establish, for the Department of Biochemistry, under the direction of W. E. Cornatzer and John P. Davison, the Guy and Bertha Ireland Laboratories for Cancer Research. The university has received a gift of \$11,200 for this purpose.

The **University of Pennsylvania** School of Nursing will hold a conference on "Current Concepts of Venereal Disease Control," May 25-June 6, in cooperation with the Institute for the Study of Venereal Diseases and the Public Health Service. The conference will be open to nurses and to instructors in U. S. schools of nursing.

Purdue University will hold its sixth annual Industrial Microbiology Institute, June 22-27, for scientists in industrial plants and others interested in the identification of fungi and the problem of fungus control. In addition to the usual lectures and laboratory sessions, a series of evening lectures will be given by Virgil G. Lilly, William J. Robbins, James G. Horsfall, Radcliffe F. Robinson, and J. H. Richardson.

Grants and Fellowships

The **AAAS Stillhamer Grant** has been awarded to Paul H. Ezell, a research associate of the Arizona State Museum, Tucson, for his project "The Acculturation of the Gila River Pimas." Mr. Ezell is at present in Mexico, where he expects to remain until the end of October, carrying out archival research on his project. The Department of Anthropology of the University of Arizona is the sponsoring institution.

The **American Heart Association** and its affiliates have awarded a total of \$285,400 to 51 scientific investigators in the form of fellowships for studies to begin July 1. The awards range from \$6000 to \$9000 for Established Investigators and from \$3500 to \$5500 for Research Fellowships. Victor Lorber, first AHA Career Investigator, has transferred his research activities from Western Reserve to the University of Minnesota.

The **W. K. Kellogg Foundation** has made a three-year grant of \$112,688 to the Harvard School of Public Health to finance a study that will explore the

problems of old age in terms of health and from the standpoint of welfare, recreation, and employment opportunities. Hugh R. Leavell, head of the Department of Public Health Practice and president-elect of the American Public Health Association, will be chairman of the faculty group that will work on the project.

Eli Lilly and Company have awarded grants to the Institute for Cancer Research, of Philadelphia, in support of the work of Irene C. Diller, and to the University of Tennessee in support of the studies of D. A. Shirley.

Muscular Dystrophy Associations of America, Inc., have awarded \$20,000 to Washington University, St. Louis, for projects under the direction of Edwin F. Gildea, and \$5000 to the University of Illinois College of Medicine, for investigations by Robert M. Kark.

National Multiple Sclerosis Society has made a grant of \$27,000 for the first year of a proposed two-year investigation at the University of Buffalo into the possible infectious origin of multiple sclerosis. The grant was made possible through a gift from Otto G. Frohnknecht, president of International Minerals and Metals Corporation, in memory of his daughter. Ernest Witebsky will direct the project.

In the Laboratories

The **Argonne Cancer Research Hospital** was opened at the University of Chicago Mar. 13 as part of its cancer research center. Built at a cost of \$4,200,000 by the Atomic Energy Commission, it will be under the direction of Leon O. Jacobson, professor of medicine; Robert J. Hasterlik will be associate director. Facilities of the hospital will be available to the Argonne National Laboratory and the 32 universities and other Midwestern institutions that are participating members of the laboratory.

Robert Busse & Co., 109 Broad St., New York, has been formed by Robert Busse, who recently resigned as vice president of Charles F. Hubbs & Co. after 23 years of service. Mr. Busse will concentrate on the development of plastics and papers for specialized uses.

New research physicists at **Los Alamos Scientific Laboratory** are Emerson Jones, of the University of Nebraska, and Samuel R. Orr, of Mound Laboratory, Miamisburg, Ohio; Joseph J. Petranto and Charles F. Sprague, III, have returned to Los Alamos from other employment.

Nuclear-Chicago will be used in the future to identify Nuclear Instrument & Chemical Corporation, because of the large number of firms with a similar corporate title.

Timber Engineering Company has added Norvelle G. Hundley, of the State University of New York College of Forestry, and Edward A. Mihok, of Trafford, Pa., to its research laboratory staff.

Meetings and Elections

The **American Academy of Tropical Medicine** has elected the following officers: president, Henry E. Meleney; vice president, George R. Callender; secretary, E. Harold Hinman; treasurer, Justin M. Andrews.

The **American Fern Society** has elected Ralph C. Benedict president, Donovan S. Correll vice president, Warren H. Wagner, Jr., secretary, and Matthew D. Mann, Jr., treasurer. The society has scheduled field meetings for May, June, July, and August, in Virginia, New York and New Jersey, Connecticut, and at Montreal, respectively. For September, a six-day field trip through northern Michigan, under the leadership of Dr. Wagner and Dale Hagenah, is being planned to precede the AIBS meeting in Madison, Sept. 6-10. For particulars, write Kathryn Boydston, Fernwood, R. D., Niles, Mich. Registration well in advance is advisable.

The **American Society for Metals** is sponsoring an all-day meeting at Purdue University, Apr. 25, to discuss "Modern Physical Metallurgy." Technical chairman of the meeting will be James B. Austin, director of the research laboratories of U. S. Steel and vice president of the society. Speakers will include Arthur E. Focke, General Electric Company; John R. Willard, Aluminum Company of America; and Arthur R. Lytle, Union Carbide and Carbon Laboratories.

A **European Symposium on Cortisone and the Suprarenal Cortex** is being organized in Milan by the Università degli Studi di Milano, sponsored by the Società Italiana di Reumatologia. The symposium, to be held Aug. 31-Sept. 2, will deal with biological and clinical topics in Italian, French, and English. For full information apply to C. B. Ballabio, Clinica Medica dell'Università di Milano, via F. Sforza 35, Milan.

The 19th annual **Field Conference of Pennsylvania Geologists** will be held at Lafayette College, May 29-31. Trips to the anthracite, slate, cement, and Triassic regions will be featured.

An all-day meeting of geologists, representing 13 Midwestern university geology departments, was held in February at the **Midwest Inter-Library Center** in Chicago to explore possibilities for the cooperative acquisition of little-used, but important, library materials in the field. The geologists decided that the 16 member-universities might appropriately supplement their own collections with a comprehensive collection of foreign geologic maps and with files of minor and less used journals, particularly those of foreign academies. Such material would be acquired by, and housed at, the center, for joint use.

The **Mississippi Academy of Sciences** will hold a meeting Apr. 24-25 at Mississippi State College as part of the college's Diamond Jubilee Celebration. Paul Klopsteg will make the banquet address.

Miscellaneous

Scientific research has progressed along several fronts in Australia in recent months. The appointment by the Commonwealth Government of an **Australian Atomic Energy Commission** was announced just before the end of the year. Its personnel will consist of J. E. S. Stevens, formerly secretary of the Department of Supply, who will serve as full-time chairman and executive officer; J. P. Baxter, professor of chemical engineering at the New South Wales University of Technology; and H. M. Murray, general manager of the Mount Lyell Mining Company Ltd. The commission will be responsible for all commonwealth activities connected with prospecting, mining, and processing uranium, as well as with the development of atomic energy for defense and industrial purposes. Following months of deliberation, a group of 24 prominent Australian scientists with the sympathetic cooperation of the Australian National Research Council has founded an **Australian Academy of Sciences**, which will parallel the Royal Society of Great Britain in its responsibilities and functions, and will be analogous to the National Academy of Sciences in the U. S. Headquarters will be at Canberra. The **Commonwealth Scientific and Industrial Research Organization** of Australia has announced the assignment of J. Griffiths Davies, associate chief of the Division of Plant Industry, to Brisbane, where he will take charge of the expanded CSIRO research program on agricultural problems in northern Australia. As revealed in the annual report for 1951-52, the Commonwealth Government is focusing a great deal of its attention on increased utilization of its tropical and desert areas. During the past two years Australian scientists have combed the African continent and the Mediterranean region of North Africa and Europe for new pasture and forage grasses that can be adapted to the Australian locale, and their search has included new varieties of crop plants. At the same time an intensive program of fundamental research on cloud physics, together with the development of techniques for artificial rain making, has been in progress. There is reason to believe that Australian scientists have carried their work in this field somewhat farther than scientists in this country. The CSIRO's Fourth Annual Report reveals the traditional concern with the commonwealth's pastoral and agricultural activities, but it also reports important advances in fuel research, and particularly in techniques designed to gasify brown coal, for the purpose of promoting Australia's chemical industry and preparing for the possible production of synthetic petroleum products.

The **Bernice P. Bishop Museum**, aided by a grant of \$15,200 from the National Science Foundation for the next 18 months, is now supporting the project "Insects of Micronesia," which was hitherto carried on by the Pacific Science Board with funds from the Office of Naval Research. The project is under the direction of J. Linsley Gressitt, and the results will be

published by the museum as a special series. About 400,000 specimens have been assembled from Micronesia, and these are being studied by more than 100 specialists representing some 50 institutions in a dozen countries. J. F. Gates Clarke, N. L. H. Krauss, and Dr. Gressitt have been completing the field work in the Caroline Islands under the ONR contract during 1952-53.

An **Institute for Pure and Applied Mathematics**, with Lelio I. Gama as director, has been founded in Rio de Janeiro by the National Research Council of Brazil. The new institute will sponsor the publication of the principal Brazilian mathematical journal, *Summa Brasiliensis Mathematicae*.

The **James F. Lincoln Arc Welding Foundation**, Cleveland 17, Ohio, is offering a total of \$30,000 in 101 cash awards for the best papers describing the mechanical design and construction of any type of machine or machine component designed for arc-welded steel fabrication. Top award is \$2000. A rules and conditions brochure for the contest, which closes July 27, is available from the foundation.

Recent visitors from abroad at the **National Bureau of Standards** included A. E. Ferguson, University of Melbourne; S. Sambursky, Research Council of Israel; Yuichi Makino, Kawasaki, Japan; Paulo Gomes de Paula Leite, National College of Engineering, Brazil; F. Reimers, Copenhagen; and G. Suckling and N. S. Grace, Toronto.

The *Proceedings of the Fourth International Congress on Mental Health*, held in Mexico City in December 1951, have been published in English and Spanish. The English edition, proceeds from the sale of which Alfonso Millan has agreed to contribute to the World Federation for Mental Health, is available from Columbia University Press at \$5.00 per copy.

Chemicals wanted by the **Registry of Rare Chemicals**, 35 W. 33rd St., Chicago 16, Ill., include: lead zirconate; beryllium molybdate; trimethylboron; divinyl sulfone; 4-hydroxynicotinic acid; camphenilane; cyclobutene; cyclobutyldimethylamine; eicosanol; 1,2,3,4-tetrahydro-6-methoxyquinoline; 2,4,2',4',4''-hexamethoxytriphenylcarbinol; 12-methoxystearic acid; methyl β -methylmercaptopropionate; arachidic acid; amoidin; brassicasterol; stigmasteryl acetate; androsterone; and lithocholic acid.

The **Royal Society (London)** and the **British Academy** have published in pamphlet form the results of the examination by the Abstracting Services Consultative Committee on transliteration systems. Entitled *The Transliteration of Russian, Serbian and Bulgarian for Bibliographical Purposes*, the pamphlet is available at 1s. from the Royal Society, Burlington House, Piccadilly, London, W. 1. The system outlined will be adopted in the society's publications.