

apart in a few years because of the unsuspected existence of variables not included in the original investigation. Plotting the distribution of as many variables as possible will offer a broader approach to these problems and will uncover critical areas toward which new research efforts may be directed. The journal will also offer marine biologists a means of publishing material gathered incidentally in the course of their investigations—material that might otherwise stand little chance of being reported because of other pressing demands on the research laboratories.

The plan is sponsored in the United States by the National Academy of Sciences—National Research Council, and in Canada by the Royal Society of Canada. Funds are being sought in both countries. The panel is international. It consists of M. J. Dunbar (chairman), Lionel A. Walford, Charles B. Hitchcock, C. O'D. Iselin, Ernest Thompson, C. S. Pittendrigh, T. W. M. Cameron, and H. H. Hess.

Foundation Aids State Academies

The National Science Foundation will in 1960–61 again sponsor science education projects for students and teachers through grants to state academies of science and similar organizations. The 43 grants, to 36 institutions, total \$620,000.

A wide variety of projects will be undertaken, including expansion of junior academies of science, scheduling of visits to secondary schools by scientists, and experimental approaches to science education. Illustrative of this variety are some of the projects carried on during 1959–60, the first year of the program.

The Indiana Academy of Science sponsored a series of 250 visits by competent scientists and mathematicians from 19 Indiana colleges and universities to secondary schools.

The Louisiana Academy of Science conducted a Junior Academy of Science Program in which secondary school students carried out research projects and wrote papers describing their results for presentation at ten regional meetings. The best papers were presented and judged at a state meeting.

The Texas Academy of Science sponsored 2-day conferences on research at four Texas universities. These were attended by 400 undergraduates from colleges not offering the Ph.D.

Support by NSF covers items such as the expenses of high school science teachers in attending meetings, the cost of expendable supplies, the expenses of lectures or visiting scientists, and necessary administrative expenses.

News Briefs

Polar expedition. A special Army task force known as Project Lead Dog has left Camp Tuto, near Thule, on an 1800-mile expedition over the Greenland icecap. Accompanied by scientists of the Chemical Corps, Medical Corps, Signal Corps, Quartermaster Corps, Engineering Corps, and Air Force Cambridge Research Center, the 30-man Transportation Corps task force will cross the icecap to Crown Prince Christian Land, will retrace a portion of the route, and will then proceed straight north to Peary Land.

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Weekly Soviet press review. A weekly review of scientific and technical articles appearing in the Soviet press, and of significant new Russian books, is now being published by the Office of Technical Services, Business and Defense Services Administration, U.S. Department of Commerce. Called *Current Review of the Soviet Technical Press* (Order No. 60-21441), the publication is sold on subscription by OTS at \$7 for 6 months. The time lapse between the appearance of an original article in a Russian publication and its review in the weekly is no more than a few weeks.

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Chromosome nomenclature. Recently a study group met to formulate a system of nomenclature for human chromosomes, with a view to eliminating the confusion which has arisen from the independent publication of various systems by different workers. As a result of the meeting, a report has been prepared on "A Proposed Standard System of Nomenclature of Human Mitotic Chromosomes." For information write to the secretary of the Human Chromosome Study Group, Arthur Robinson, M.D., Assistant Professor of Biophysics, University of Colorado Medical Center, 4200 E. 9th Ave., Denver 20, Colo.

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New sources of energy. Practical problems and experience on the utilization of solar energy, wind power, and geothermic energy, particularly with

reference to less developed countries, will be the subject of a United Nations Conference on New Sources of Energy that is scheduled to be held in Europe from 17 to 27 August 1961. Details about the organization of the conference and conditions for participation will be published shortly in a special pamphlet; this will be obtainable at United Nations Headquarters and at United Nations Information Centers abroad.

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Airborne Television Instruction. Eighteen areas in six midwestern states have been designated as a communications network for the Midwest Program on Airborne Television Instruction. Each of these areas has a major college or university near its center. According to program plans, instructional telecasts will be beamed from an aircraft to schools in the six states, starting in February 1961. The \$7-million project is supported by the Ford Foundation and by contributions from private industry. The project has headquarters at Memorial Center, Purdue University, which has prepared a 32-page brochure on the program.

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Undergraduate research. Some 2500 undergraduate students will work with scientists in more than 200 research organizations this summer and during the coming school year as a result of two recently announced National Science Foundation programs. The student research will be supported by 330 grants totaling \$1.8 million as part of the foundation's Undergraduate Research Participation and Undergraduate Research Training programs. Students will receive a stipend of up to \$60 a week for 8 to 10 weeks of full-time summer work and an average stipend of \$150 for academic work on a part-time basis.

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Submarine and space medicine. The Laboratory of Aviation and Naval Medicine at the Karolinska Institutet, Stockholm, has announced that the 2nd International Symposium on Submarine and Space Medicine is scheduled for 18–19 August. The symposium is independent of the 11th International Astronautical Congress, which will be held in Stockholm 15–20 August. The number of symposium participants will be limited to 40 or 50. For information write to the secretary, P.-O. Barr, M.D., Laboratory of Aviation Medicine, Karolinska Institutet, Stockholm.