

Canadian Mapping Program

More than 1000 men, comprising 81 individual field survey parties, will conduct the annual mapping and charting program this year for the Surveys and Mapping Branch of the Canadian Department of Mines and Technical Surveys.

The program, which is getting under way now and will continue through November, will take survey parties to all ten Canadian provinces as well as into the Yukon and the Northwest Territories and into navigable coastal and inland waters. Included in the field survey force will be 28 units of the Canadian Hydrographic Service.

In announcing the program, Mines Minister Paul Comtois stated that increasing emphasis is being placed on the development of Canada's northland.

The over-all program has a twofold objective. The long-range purpose is to provide data for the preparation of base maps and charts of various scales, covering the entire Dominion; the short-range objective is to stimulate the development of areas of potential resources, such as minerals, water power, and forests. Defense needs are also a factor in the mapping and charting program.

Grants, Fellowships, and Awards

Arthritis and rheumatism. The Arthritis and Rheumatism Foundation offers predoctoral, postdoctoral, and senior investigatorship awards in the fundamental sciences related to arthritis for work beginning 1 July 1960. Deadline for applications is 31 October.

These awards are intended for fellowships to advance the training of young men and women of promise for an investigative or teaching career. They are not in the nature of a grant-in-aid in support of a research project. The program provides for three types of award.

Predocctoral fellowships are limited to students who hold a bachelor's degree. Each applicant studying for an advanced degree must be acceptable to the individual under whom the work will be done. These fellowships are tenable for 1 year, with prospects of renewal. Stipends range from \$1500 to \$3000 per year, depending upon the family responsibilities of the fellow.

Postdoctoral fellowships are limited to applicants with the degree of doctor of medicine, doctor of philosophy, or their equivalent. These fellowships are tenable for 1 year, with prospect of renewal. Stipends range from \$4000 to \$6000 per year, depending upon the family responsibilities of the fellow.

Senior investigator awards are made to candidates holding, or eligible for, a faculty rank, such as instructor or as-

sistant professor (or equivalent) and who are sponsored by their institution. Stipends are from \$6000 to \$10,000 per year and are tenable for 5 years.

A sum of \$500 will be paid to cover the laboratory expenses of each postdoctoral fellow and senior investigator. An equal sum will be paid to either cover the tuition expenses or laboratory expenses of each predoctoral fellow. For further information and application forms, address the Medical Director, Arthritis and Rheumatism Foundation, 10 Columbus Circle, New York 19, N.Y.

Cardiological research. Applications are now being accepted by the American Heart Association for support of research to be conducted during the fiscal year beginning 1 July 1960. The deadline for applying for research fellowships and established investigatorships is 15 September. Applications for grants-in-aid must be made by 1 November.

Support is given not only to studies with a direct bearing on problems of cardiovascular medicine but also to basic research in a wide range of scientific disciplines. The association recently announced its national awards for the 1959-60 fiscal year, representing an allocation of approximately \$3,300,000.

Established investigatorships are awarded for periods of up to 5 years, subject to annual review, in amounts ranging from \$6500 to \$8500 yearly, plus dependency allowances, to scientists of proven ability who have developed in their research careers to the point where they are independent investigators. In addition, a grant of \$500 is made to the investigator's department. Applicants for established investigatorships may apply for grants-in-aids to support their research at the same time they apply for established investigatorships.

Advanced research fellowships are awarded for periods of 1 or 2 years to postdoctoral applicants who have had some research training and experience but who are not clearly qualified to conduct their own independent research. During the second year of tenure they will be permitted to spend up to 25 percent of their time in professional and scientific activities not strictly of a research nature, provided that these will contribute to their professional development and do not involve services for a fee. These stipends range from \$4600 to \$6500 annually. Additionally, a grant of \$500 is made to the investigator's department, as in the case of established investigators.

Research fellowships are available to a limited number of young men and women with doctoral degrees for periods of 1 or 2 years to enable them to train as investigators under experienced supervision. Annual stipends range from \$3800 to \$5700.

Grants-in-aid are made to experienced

investigators to help underwrite the costs of specified projects, such as equipment, technical assistance, and supplies.

Further information and application forms may be obtained from the Assistant Medical Director for Research, American Heart Association, 44 E. 23rd St., New York 10, N.Y.

Radioisotope technology. The Atomic Energy Commission has announced approval of grants totaling \$251,704 to 12 American colleges and universities. The grants are a part of the commission's new program of assistance for education and training in radioisotope principles and technology. Detailed information on the program and instructions for the submission of proposals may be obtained by writing to the Director, Office of Isotopes Development, U.S. Atomic Energy Commission, Washington 25, D.C.

Science writing. The Arthritis and Rheumatism Foundation has announced that the Russell L. Cecil Award for science writing will in 1959, for the first time, include an honorarium of \$500. The honorarium will also be included in future awards. The award was established in 1956 to encourage the writing of stories and scripts on arthritis for general circulation newspapers, magazines, and the broadcasting media. All entries must be submitted by 31 January 1960. Further information is available from the Arthritis and Rheumatism Foundation, 10 Columbus Circle, New York 19, N.Y.

Social science. The Office of Social Sciences of the National Science Foundation has announced that the next closing date for receipt of basic research proposals in the social sciences is 1 October. Proposals received prior to that date will be reviewed at the fall meeting of the foundation's advisory panel and disposition will be made approximately 4 months following the closing date. Approved grants will be activated in time for work to begin in the second semester or summer of 1960. The Office of Social Sciences supports basic research in anthropology, archeology, demography, human ecology, sociology, social psychology, economics, economic and social geography, and the history and philosophy of science.

Proposals received after the 1 October closing date will be reviewed following the closing date of 1 February 1960, with activation of approved grants in the summer and fall of 1960. Inquiries should be addressed to the National Science Foundation, Washington 25, D.C.

News Briefs

The Josiah Macy, Jr. Foundation recently awarded unrestricted grants of \$50,000 per annum for a 3-year period to each of 11 private medical schools for