

aid, and this requires the application of highly sophisticated skills and techniques."

The regular staff of the External Aid Office is supplemented by the short-term engagement of persons with special experience in certain areas. Extensive use will be made of computers, and data-processing methods are already being applied to several aspects of EAO operations. Greater use is also being made of special-purpose task forces. Overseas personnel are receiving greater support, both through more frequent visits to the field by External Aid officers and through the appointment of personnel with specialized aid experience to Canadian missions in countries to which Canada is providing aid.

### PUBLIC APPOINTMENTS

The appointment of Mr. Pierre Juneau as Chairman of the Board of Broadcast Governors was announced recently by Prime Minister Pearson. Mr. Juneau succeeds Dr. Andrew Stewart whose resignation became effective on March 18.

In accepting Dr. Stewart's resignation, the Prime Minister expressed gratitude for his unselfish and efficient service as BBG Chairman and in other capacities.

Under the provisions of the Broadcasting Act of 1968, Mr. Juneau will become Chairman of the Canadian Radio and Television Commission. He was formerly Vice-Chairman of the BBG.

### DOMINION HYDROGRAPHER

The Minister of Energy, Mines and Resources Mr. Jean-Luc Pepin has announced the appointment of Dr. Arthur Collin, as Canada's new Dominion Hydrographer.

As chief of the Canadian Hydrographic Service, Dr. Collin, will be responsible for the charting of Canada's coastal and inland waters. At 38, he is the youngest person ever to head the Service, which is a division of EMR's Marine Sciences Branch.

### WELLAND CANAL TUNNELS

An agreement to construct two new Welland Canal tunnels under a revised federal-provincial cost-sharing formula involving a total of more than \$43 million has been announced jointly by Transport Minister Paul Hellyer and Ontario Highways Minister George E. Gomme. One project is a combination highway and railway tunnel, estimated at over \$30 million, and the other is a highway tunnel estimated at \$13 million, both in Welland.

Work on both projects, to be undertaken as part of the reconstruction programme of the Welland Canal being carried out by the St. Lawrence Seaway Authority, is scheduled to begin next spring, for completion in the spring of 1971.

Under the new financial agreement, the Seaway Authority assumes the cost of putting underground the required lanes of existing highway feeding into

the city, and the Highways Department assumes the cost for any additional lanes incorporated in a tunnel to expand the road facility. "The agreement also has a long-term aspect, with both parties accepting it as the formula to be adopted for financing any future tunnel projects resulting from the Welland Canal reconstruction programme," the Ministers said in their announcement.

The agreement is the result of extensive negotiations carried out between the Department of Highways and the Seaway Authority.

The two tunnels will be built as part of a new \$110-million section of the canal, nearly 8.5 miles long, being constructed on the eastern outskirts of the city to by-pass Welland.

### PRISON HEALTH VOLUNTEERS

Mr. Allan J. MacEachen, Minister of National Health and Welfare, and Mr. Larry T. Pennell, Solicitor-General, have announced that volunteers in prisons in the Kingston, Ontario, area will take part in investigations conducted by the Food and Drug Directorate in collaboration with the Canadian Penitentiary Service and the Department of Pharmacology of Queen's University. The studies will assess the ways in which the human body alters and excretes small amounts of certain chemicals found in food products as a result of agricultural practices or of processing. Chemical substances, such as agricultural pesticides and sweetening agents, will be included.

Extremely small amounts of the chemicals will be given to groups of volunteers from whom blood and urine samples will be collected at intervals for biochemical analyses. The quantities of the chemicals ingested will be similar to those found in foods available on the Canadian market, which animal tests have shown to be harmless. Health authorities have a continuing need of new information on the ways in which the human body deals with such chemicals.

### SUPERVISION AND CARE

Elaborate care is being taken to safeguard the health of volunteers involved in the studies. Detailed plans for each project will be cleared by a minimum of four independent panels of medical experts before approval is given to proceed. Each volunteer will be medically examined to ensure he is in good health before a study begins, and close medical surveillance will be maintained as tests progress. Each volunteer will have the aims and procedures of the study thoroughly explained to him and will be free to drop out whenever he chooses, which ensures that the legal principle of "informed consent" in human studies is scrupulously observed.

The number of inmates involved is estimated to be from ten to 50, depending on the project. All who participate will do so on a strictly voluntary basis as a public service, with neither tacit nor implied promise of remission of their prison sentences, or other rewards.