

this occasion, and for presentation by these artists. John Cook, the composer, is Professor of Music at the University of Western Ontario, and was formerly composer at Stratford, England. His work is already familiar to audiences here, as he had written the background music for several of the Festival plays, including this year's "King John".

Walter Susskind, Conductor of the Toronto Symphony Orchestra, and conductor of this concert, has had extensive experience and success with previous works in which the music served as accompaniment to the spoken word-in-particular, "Jeanne d'Arc au Bûcher" by Arthur Honegger, which he directed and conducted in Toronto.

## MAPPING PROGRAMME, 1960

Dawson City, near the Yukon-Alaska boundary, Tuktoyaktuk, on the west coast of the Arctic Ocean, Cape Crauford and Padle Fiord, on Baffin Island, the west coast of the Queen Charlotte Islands, in British Columbia--these are some of the outermost points included in the mapping and charting programme of the Surveys and Mapping Branch, Department of Mines and Technical Surveys, for 1960. The programme calls for surveying operations in every province and territory and will require the services of 190 engineers and technical officers of the permanent staff of the Department, 120 student assistants, and 170 laborers, in addition to nearly 1,000 officers and crew of the ships of the Canadian Hydrographic Service and chartered ships and aircraft that will be used by the various divisions.

Announcing the programme, Mr. Paul Comtois, Minister of Mines and Technical Surveys, emphasized that 1960 would see no slackening in the effort to provide adequate maps and charts for the development of Canada's northland and cited as evidence the fact that two units of the field force would be working farther north this year than ever before: the C.G.S. "Baffin" would chart the waters of Lancaster Sound, between 74 and 75 degrees north latitude, and a topographical survey would be conducted on the Northeast coast of Baffin Island.

An important part of the work of the field parties will be directed towards scientific research, but the greater volume will have for its purpose the satisfaction of the ever-increasing demand for up-to-date maps and charts for development and defence purposes. To satisfy this demand the Department carries out the revision of topographic maps compiled before the war and the mapping of major cities on the scale of 1 to 25,000, the largest in use in this country for general mapping.

### NORTHWEST TERRITORIES

The C.G.S. "Baffin" will proceed north to northern Baffin Island early in July to carry out sounding and charting operations during the period of navigation. Later in the season the "Baffin" will be joined by an icebreaker escort vessel provided by the Department of Transport to assist her in moving through the ice and will work southward ahead of the polar ice floes.

Two hydrographers, operating from the Department of Transport vessel "Camsell" and two ships of the Hudson Bay Company, will carry out surveys for charting the waters of the Western Arctic, particularly in areas adjacent to DEW line sites.

The chartered ship "Arctic Sealer" will continue normal charting operations in the vicinity of Lake Harbour, on the south shore of Baffin Island, and will attempt to join stations of a topographical survey of Foxe Peninsula, on Baffin Island, to other stations in northern Quebec by carrying horizontal control across Mill, Salisbury and Nottingham Islands, in Hudson Strait.

A party of four, using tellurometers for distance measurements and theodolites for angular measurements and supported by helicopters and fixed-wing aircraft, will traverse much of the coast of Baffin Island. This is the second phase of an operation that began last April, when the large stores of gasoline that will be needed were air-lifted under winter conditions and cached at strategic points along the route that will be taken by the traversing party. The traverses will be used, in conjunction with Shoran-controlled photography already available, to map most of the southern half of the island at the scale of 1 to 250,000.

A party of five or six men will undertake subdivision surveys and lot surveys for miscellaneous purposes such as airports, school sites, radio stations, in the following areas: Frank's Channel, Yellowknife, Fort Smith, Hay River, Mills Lake, Camsell Bend, Nahanni Butte, Norman Wells, Wrigley, Fort McPherson and Inuvik.

### YUKON-NORTHWEST TERRITORIES

A party of 11 men equipped with tellurometers, theodolites and precise altimeters and supported by aircraft will map an area near the Liard River, lying partly in the Yukon and partly in the Northwest Territories. This work is required for purposes of mineral and forest development. The party will also map a large area on both sides of the boundary in the vicinity of Coal River and South Nahanni River. These areas will be mapped on a scale of 1 to 50,000.

The C.G.S. "W.J. Stewart" will do off-shore sounding, with positioning by two-range decca,