

in 1982 and ultimately, those of *Anik B* whose service life ends in 1987. The first two *Anik A* series satellites, *Anik A-1* and *A-2* reached the end of their useful service lives in December 1978 and May 1979 respectively.

The major portion of the SPAR work on the project, including program management, will be carried out at SPAR's facilities at Ste-Anne de Bellevue, Quebec.

The total Canadian content of the *Anik D* contract is approximately 50 per cent. The largest subcontractor is Hughes Aircraft Company. Major Canadian subcontractors are SED Systems Ltd. of Saskatoon, COM DEV of Montreal and Fleet Industries Ltd. of Fort Erie, Ontario.

Spacecraft integration and tests will probably be carried out at the Department of Communications David Florida Laboratory just outside Ottawa.

In previous spacecraft procurements, Telesat sought competitive bids internationally, giving preference to bidders who selected major Canadian subcontractors and which provided maximum Canadian content.

New instrument aids search for oil

A new instrument designed under the direction of two University of Calgary researchers — Dr. J.W. Haslett and Dr. F.N. Trofimenkoff — in association with Lynes United Services Ltd., is a significant advance in the testing of oil and gas wells.

The instrument system, composed of a digital memory recorder and a digital surface recorder, is used to record bottom hole temperature and pressure during drill stem testing of an oil- or gas-producing reservoir. When the digital memory recorder is retrieved from the well and connected to the digital surface recorder, accurate numeric printouts of temperature and pressure as functions of time are obtained. These results are then used to estimate formation transmissibility, flow capacity, well-bore damage and so on.

The new system, which replaces existing mechanical recorders, is more accurate and has a reduced requirement for data manipulation at the wellsite and at the central computer facility.

The instrument system, now being manufactured by Lynes United Services Inc., won a Special Meritorious Award for Engineering Innovation at the 1978 Offshore Technology Conference in Houston, Texas.

Native people of Greenland and Canada swap ideas by radio

A new Northern Service radio program produced in Montreal by freelancer Marianne Stenbaek is helping Greenlandic Inuit develop a clear acquaintance with Canadian Inuit. The half-hour weekly series forms the Canadian counterpart of a Radio Greenland version produced by Leena Pedersen.

Montreal production manager Sheldon O'Connell explains, "Radio Greenland has been giving us a similar program for a couple of years, but it is only recently that we've been able to respond.... There are many levels on which the two countries relate, many developmental stages that the Greenlandic people perhaps have passed through and the Canadian Inuit are now approaching. There are also achievements made by the Canadian Inuit that are relevant to the Greenlandic people. The purpose of the program exchange is to share more openly some of these issues and questions. It also projects what are front line questions in the minds of people today — whether they touch on land claims or classic kinds of problems relating to education and interaction with other societies."

Marianne, formerly of Radio Denmark and now an accredited freelance producer with Radio Canada International, draws on resources wherever she can find them. Montreal's Inuit producers contribute some material to the exchange program. The items are translated into Danish and some Greenlandic.

Prior to broadcast, a cable previewing the upcoming show is sent to Radio Greenland and Radio Denmark. Audiences then know what to expect.

The programs, focusing on three main themes each week, contain Canadian Inuit folklore in the form of song and story.

Aid for refugees

Canada has doubled its annual contribution to the United Nations High Commissioner for Refugees (UNHCR) to \$2 million this year and is making a special contribution of \$700,000 to the UNHCR's 1979 Indochinese refugee program.

The special contribution, in response to an international appeal, will be made

in two instalments by the Canadian International Development Agency (CIDA). A cheque for \$450,000 has already been forwarded to Geneva; the remainder will follow later this year.

In June 1978 CIDA made a special contribution of \$500,000 to the UNHCR's 1978 program for Indochina.

The Indochinese refugee problem has escalated from a serious outflow of people to a major exodus. The problem, which involves the whole southeast Asian region, includes a large number of people fleeing overland from Democratic Kampuchea, Vietnam and Laos. Thailand, for example, is at present host to some 140,000 overland refugees, primarily from Laos and Kampuchea.

The Vietnamese "boat people" are, however, the main focus of public attention. The flow has increased from a monthly rate of 3,000 a year ago to 8,000 a month now. If this rate of increase continues, the financial, social and political burden on the countries of first asylum (Malaysia, Thailand and many others) would become unsupportable.

In response to this growing problem the UNHCR convened international consultations in Geneva last December, at which Canada reiterated its full support to the UNHCR and was instrumental in fostering donor efforts to bring a permanent solution to the Indochinese refugee problem.

Also, besides increasing its financial contribution to the UNHCR, Canada announced last December that it would take 5,000 Indochinese refugees in 1979.

Farming atlas available

Fast answers to questions about land use, crops and livestock are now available in a new farming atlas prepared by Statistics Canada. The atlas, *Agriculture Graphic Presentation*, contains 114 maps.

Information collected in the censuses of 1971 and 1976 was fed through a computer equipped with a special plotting device. The computer maps are an easy-to-read representation of such information as age of farm operators, value of land and buildings, and much more. The information is all presented without the use of statistical charts or tables.

The *Agriculture Graphic Presentation* is available for \$6 from Publications Distribution, Statistics Canada, Ottawa, Ontario, Canada K1A 0T6.