

## COMMUNICATIONS AID TO INDIA

Mr. Mitchell Sharp, Secretary of State for External Affairs, has announced that Canada will provide a \$4-million development loan to help India build a key satellite station in its telecommunications network. The earth satellite station at Poona, 120 miles east of Bombay, will permit India to be tied into the global satellite system, which will provide high quality multi-circuit telecommunications with Europe.

The contract for the project - expected to take 18 months to complete - has been awarded to RCA Victor Company Ltd. of Montreal. Authority to begin construction was provided in a letter of intent signed between RCA and the Department of Atomic Energy of India. The formal loan agreement was signed in New Delhi on May 27.

The loan, an allocation from Canada's 1967-68 economic development programme for India, will finance the supply of equipment and technical assistance from RCA. The total cost of the earth station will be about \$7 million. The Canadian loan, which is interest-free will mature in 50 years and has a grace period of ten years.

RCA will serve as consultant in design and system engineering for the project and will furnish specialized electronic apparatus for satellite tracking and communications. Existing designs developed for

commercial satellite communication earth stations elsewhere will be used. India will supply the antenna, site buildings and a considerable amount of telegraph equipment.

### TELECOMMUNICATIONS PROGRAMME

The station at Poona is part of a new telecommunications programme for India, which includes a telephone-telegraph switching centre in Bombay and a microwave communication link between Bombay and Poona. The Poona station will have a 97-foot diameter antenna similar to Canada's second earth station which RCA is building at Mill Village, Nova Scotia, for Canadian Overseas Telecommunication Corporation.

The demand for external and internal telecommunications services has been growing rapidly in India. As a result, the satellite-station project is one of the major items in expansion of India's Overseas Communications Service and has been given priority ranking in the country's current five-year development plan.

Officials of the Canadian Trade and Commerce Department were closely involved with External Aid Office and Indian officials in all stages of discussion and negotiation leading to agreement on the project.

## LUMINOUS INSECT TRAPS

An entomologist with the Quebec Department of Agriculture and Colonization, J.-B. Maltais, recently developed a method of destroying insects by the use of luminous traps.

When holidayers using new camping-grounds, opened last summer near Montreal, complained of the swarms of caddis-flies, Mr. Maltais was asked to find a solution to the problem by the Research and Education Division of the Quebec Department of Agriculture. After 20 luminous traps of his own invention had been installed at strategic points on the camping grounds, the insects, which were in abundance at first, began to diminish in number.

This method of destroying insect pests is an undoubted success and has the additional advantage of not being harmful to surrounding plants and animals as is the case when chemical products are used.

organized, in co-operation with the federal Department of Agriculture, the Holstein-Friesian Association of Canada and the Canadian Hereford Association.

In Spain, where there is a growing demand for quality breeding-stock to improve the beef and dairy cattle industries, there is a major market for Canadian Holstein-Friesians. Beef cattle are also in demand, and the Spanish Livestock Syndicate (the government agency which controls the import of cattle) has expressed interest in Canadian Polled Herefords.

Janet Olesen, a 20-year-old brunette beauty from Western Canada, is attending the fair as the Canadian Dairy Princess. Born and raised on her family's 800-acre beef and dairy ranch, she milked 16 cows a day for six years. As Dairy Princess, Miss Olesen has travelled widely in Western Canada promoting the dairy industry at exhibitions.

## CATTLE SHOWN IN SPAIN

Canada is taking part for the first time in Madrid's seventh FERIA Internacional del Campo, which is regarded as the largest outdoor agricultural show in the world. Twenty-three countries are represented. More than 5 million people are expected to attend the triennial fair, which opened on May 22 and closes on June 21.

The Canadian cattle exhibit, 12 Holstein-Friesians and 12 Polled Herefords, which is sponsored by the Department of Trade and Commerce, was

## POPULATION ESTIMATES

Canada's population on April 1, has been estimated at 20,700,000, an increase of 366,000 (1.8 per cent) since April 1 last year. The increase since the census of June 1, 1966 was 685,000, or 3.4 per cent. The increase since January 1 this year was 70,000 (0.3 per cent), compared to an increase of 82,000 (0.4 per cent) for the same period in 1967.

The largest numerical increases in the year since April 1, 1967 were the 168,000, or 2.4 per cent increase in Ontario, followed by 68,000, or 1.2 per