

**BIG "YEAR" OPENED JULY 1**  
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with periods of rainfall, but the significance of this relation is not yet generally accepted. One of the best known annual meteor showers occurs near August 12.

The IGY aims to collect basic facts about meteors, for example their quantity, annual and daily variations, and distribution by size. Several stations in Canada, including NRC's new meteor observatory at Springhill, will use special cameras, radar, and light analysers; several thousand volunteers will assist by observing meteors in all parts of Canada and the United States.

Rockets are the newest tool for upper atmosphere research. Launched from the ground, from aircraft or balloons, a rocket can carry instruments well up into the ionosphere. The measurements of air density, temperatures, winds, magnetism, and cosmic rays, are transmitted by radio from the rocket before it plunges back to earth. About 75 rockets will be launched at the multi-million-dollar site at Fort Churchill. This project is part of the United States programme in rocketry which also includes launchings in the Pacific and the Antarctic. Britain, France, Russia, and Japan will also use rockets as part of their IGY programme.

Canada will join other nations around the world in a continuous watch on the sun during the IGY. This "solar patrol" will photograph the sun's face every minute or so, and warnings of unusual activity will be sent through a radio network to all stations interested in the study of solar flares. In Canada a photographic record will be made by the Dominion Observatory. At the same time the sun's radio output at particular wavelengths will be continuously recorded from dawn to dusk, fair weather or foul, by the "solar noise" observatories of the NRC and the Defence Research Board. Similar records on a different wavelength will be made at David Dunlap Observatory near Toronto.

Scientists of the Hydrographic Service and the Fisheries Research Board will assist in the global study of the oceans undertaken by the IGY. In our three bordering oceans they will investigate sea levels, temperatures, salt content, and the movements of deep currents. Others in the Department of Mines and Technical Surveys will support the long-term networks which are set up to obtain a broad world picture in geomagnetism, gravity, seismology, longitudes and latitudes.

An event of special interest will occur in April 1958, when Canadian engineers will blast the top off Ripple Rock, an obstruction to shipping in the Strait of Georgia at Vancouver Island. The resulting shock waves will be recorded at a number of places in the interior of the continent.

Only in recent years could a study as big as the IGY be attempted. It is made possible by air travel, electronic computers, new techniques in radio and radar, improved photography and spectroscopy, and the remote vision provided by rockets and satellites. Just as significant for many observers is the concerted effort and good will between nations which is making the study truly international.

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**QUEEN ELIZABETH SCHOLARSHIP.** The Department of National Health and Welfare has announced that Miss Margaret Anglin of Owne Sound, Ontario, has been awarded the Queen Elizabeth Scholarship to attend the Eliot-Pearson School for Nursery School and Kindergarten Teaching at Medford, Massachusetts, during the academic year 1957-58. This School is affiliated with Tufts University at Medford.

The Queen Elizabeth Scholarship, which was offered at the time of the Coronation of Her Majesty Queen Elizabeth II by the Eliot-Pearson School (then called the Nursery Training School of Boston), provides for a year's tuition, room and board for a Canadian student. Miss Anglin, the winner of this year's award, will take the one year graduate course leading to the Nursery Training School Diploma. The fourth candidate to receive a Queen Elizabeth Scholarship, Miss Anglin is graduating in Arts this year from Victoria College, University of Toronto. She has had considerable experience as a volunteer worker in church nursery school and community centre playroom work. She has also assisted in the Children's Department of the Owen Sound Public Library and has attended a Counsellor Training Course under the Physical Education Branch of the Ontario Department of Education.

The Scholarship Selection Committee is broadly representative on a national basis and includes in its membership nursery school, education, and child welfare authorities from all regions of Canada.

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**MEDICAL RESEARCH FELLOWSHIPS.** The National Research Council of Canada has awarded 18 Medical Research Fellowships for the year 1957-58. Total value of the Awards is \$49,200, plus travelling allowances when required.

All Fellowship holders are medical graduates who will engage in research in the medical sciences. Fifteen of the awards will be held in Canadian universities, three in the United States, and one in Italy.

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**TOURING PLAYERS.** The Stratford Shakespearean Festival Foundation will send out its first touring company this winter, it was announced by Michael Langham, Festival Artistic Director. Although details have not been completed, the plan envisages an eighteen-member group of the Stratford Festival company visiting major centres in eastern Canada and the United States.