

called the "coolant" because it takes away the heat generated in the fuel, is then pumped to a steam generator, where the heat is transferred to ordinary water. The latter is sufficiently heated to convert it to steam, which drives the turbine. The turbine drives the electricity generator.

NATIONAL HIGHWAY MEMORIAL

Mr. David J. Walker, the Minister of Public Works, has announced that a memorial will be erected in Glacier National Park to mark the official opening of the Trans-Canada Highway and to commemorate Canada's achievement in constructing the 4,859-mile route. The exact location of the memorial in the Park has not yet been decided, but it is expected to be at or near the summit of Rogers Pass in the Rocky Mountains.

The memorial will consist of two large arches spanning a mosaic map of Canada. A cube-shaped centrepiece will be suspended from the arches and on it will be recorded in bronze, in English and French, information on the Highway's construction, on the role of transportation in Canadian history, on the discovery of Rogers Pass, etc. The memorial will be surrounded by three masonry walls, three feet in height, to which the coats of arms of the provinces and territories will be affixed. The height of the arches will be 18 feet, with a span of 16 feet across the bottom of each arch. The diameter of the memorial from wall to wall will be 42 feet.

SYMBOLISM

In the minds of the designers of the memorial, the major arch is symbolic of Canadian Confederation, while the minor arch represents the various transportation systems which support Confederation and contribute to national unity. In the same vein, the three walls are symbolic of the three oceans by which Canada is bounded.

Mr. Walker pointed out that Rogers Pass was a fitting location for the memorial for a number of reasons. The exact site is being selected so that it will command a spectacular view of the Pass and the magnificent mountain scenery. Also, Rogers Pass will be the location of the official opening of the Highway later this year. Furthermore, this section of the route passes through very difficult terrain, where the engineering achievements, including avalanche defences, serve as a fitting reminder of the magnitude of Canada's accomplishment in carrying out the huge project.

The area around the memorial will be suitably landscaped and ample parking space will be provided for tourists and visitors.

OFFICIAL OPENING

Construction of the Trans-Canada Highway will not be completed in 1962, but the opening ceremony planned for this fall will mark the progress of construction to the point where the whole route from coast to coast can be used for the first time. The official opening is being planned in co-operation

with the highways ministers of the provinces, and the Prime Minister of Canada has consented to officiate at the ceremony. Most of the provincial governments have already indicated that they plan on taking part in the ceremony.

The Highway is a joint undertaking, with the federal and provincial governments each paying 50 per cent of the cost and the Federal Government contributing an additional 40 per cent of the cost of 10 per cent of the mileage in each province. The Trans-Canada Highway Act was passed by Parliament in 1949. It has since been extended three times by Parliament and is due to expire in 1963. It is estimated that, by the time construction is completed, the cost will be in the vicinity of \$1 billion.

FOREST EXPERTS MEET

Some of North America's leading forestry scientists, from Mexico, the United States and Canada, met in Ottawa on April 11 and 12 to consider ways and means of developing international co-operation towards the control of insects and tree diseases, which annually destroy millions of dollars worth of resource wealth without regard to international boundaries.

Constituted as a working group of the North American Forestry Commission sponsored by the Food and Agriculture Organization of the United Nations, the delegates were welcomed by Mr. Hugh John Flemming, the Minister of Forestry. The meeting was officially opened by Dr. J.D.B. Harrison, Deputy Minister and current chairman of the North American Forestry Commission.

At this, the Group's first meeting since it was authorized by the Forestry Commission last year in Mexico, it investigated the promotion of prompt exchange of information on forest insect and disease outbreaks, damage, hazard and control, and research under way in this field, plus other related phases of the control problem.

Forest insect and disease work in Canada is carried out by the Forest Entomology and Pathology Branch of the Department of Forestry through field establishments across the nation.

AWARDS TO SECONDARY TEACHERS

Awards in the Category 5 scholarship competition were announced recently by the Canada Council. The awards are intended to enable secondary-school teachers to study or do other work to improve their qualifications in the arts, humanities and social sciences. Full scholarships are of an average value of \$2,000 (plus an allowance for necessary travel), and are tenable for periods of up to one year. Partial scholarships are also available for study projects of a more limited nature or duration.