



Governor-General Roland Michener lends a hand in rebuilding burnt-out factory in St. Joseph de Beauce.

and made good a financial loss of \$1,250,000. To mark the completion of the community project they staged a huge celebration, which was their way of saying: "We are returning to our normal way of life, but this experience will not be soon forgotten. Our town will never be the same; we have learned to help, know and appreciate one another."

The Glendale factory has now resumed normal production, and the first mobile home came off the assembly line after an interruption of just five weeks. What started as a tragedy is now just a happy memory.

AVALANCHE FORECASTER

Bristol Aerospace Ltd of Winnipeg has designed a \$50,000 data-acquisition system that will detect potential avalanches. Called an automatic meteorological station for avalanche forecasting, the new device should be a big help to "slide-watchers" in British Columbia.

The system consists of a master station, two sensor stations and a receiving station. The proposed test site is Rogers Pass in Glacier National Park, one of the most avalanche-prone areas in the world.

The two unmanned sensor stations — one on MacDonald Mountain, the other on Mount Fidelity — measure and telemeter wind, humidity and temperature data with either automatic or manual feedback to the master station.

Located near the Trans-Canada Highway, the master station automatically records and displays the

information, relaying it to the receiving station, ten miles away, where it is analyzed by avalanche forecasters. Looking much like a small data-processing system, the master station equipment utilizes a unique telemetering system and VHF transmission for forwarding data.

Having obtained the latest data, Canadian army gunners will then bombard the potential danger areas with howitzer shells. This "controlled-slide" method will produce premature avalanches and minimize any threat of major proportions.

Officials are hoping that, for the first time since Canadian Pacific pushed its rails through the Pass in the 1880s and the Trans-Canada Highway was completed ten years ago, they will be able to cope with the 600-inch snowfall and keep traffic moving.

The weather-monitoring device to be used in British Columbia is an application of electronic technology developed earlier at Bristol Aerospace, which employs more than 1,000 people at its Winnipeg plant.

Bristol officials believe the same kind of equipment can monitor air- and water-pollution levels, both in cities and on industrial sites, for city-traffic control and for gauging conditions such as metal fatigue in turbines.

PLANES SEEK N.B. MINERALS

The Geological Survey of Canada, a branch of the Energy, Mines and Resources federal department, is carrying out a high-sensitivity aeromagnetic survey in the Bathurst area of New Brunswick in pursuit of new mineral deposits. Costs of \$100,000 will be shared by the Federal Government and the New Brunswick Department of Natural Resources.

A second object is to evaluate, under operating conditions, the high-sensitivity technique that is still experimental in this application.

Standard-sensitivity aeromagnetic surveys have been flown in Canada since the end of the Second World War and the Geological Survey has been the largest contractor of aeromagnetic surveys in the world (averaging 290,000 line miles a year for the past decade). It conducts development work in aeromagnetic techniques to ensure that the most up-to-date techniques are used by the companies carrying out the systematic surveys. This development work has resulted in new and more sophisticated techniques that are being used in a twin-engine light aircraft belonging to the Geological Survey of Canada, which is being flown under contract in a series of test areas having a variety of geological terrains. With the successful completion of the experimental program it is intended that Canadian airborne geophysical companies will apply the high-resolution aeromagnetic method in mineral-resource programs in Canada and in foreign-aid contracts that the Geological Survey administers on behalf of the Canadian International Development Agency.