

unbroken — a rare, once-in-five-year phenomenon. "When the pilots said the ice was really good, it was a last-minute scramble to get the expedition organized," said Dr. MacInnis.

#### Aluminum dive suit

The expedition equipment included an aluminum-shelled Wasp diving suit with special grippers on its arms and a small remote piloted vehicle with television cameras aboard. While the logistic efforts were going on, the ship had to be relocated because a marker locating the wreck had torn loose and drifted away.

After holes were cut through about two metres of ice, two divers from Can-Dive Services Ltd. of British Columbia made four dives over a three-day period, lasting a total of six hours. Their dives were photographed by the remote piloted vehicle. The divers were working in a water temperature of minus 2 degrees Celsius.

#### Flying start for de Havilland Dash 8

Three years of engineering, design and construction have culminated in the successful maiden flight for Canada's newest airplane, the de Havilland *Dash 8*.

Almost as important as its successful maiden flight was the fact that the 36-seat commuter airliner reached objectives set 3 1/2 years ago "on time and within budget", said John Sandford, president of de Havilland Aircraft of Canada Ltd., Toronto.

So far the plane has cost de Havilland \$160 million, with another \$100 million in tooling and development costs yet to

When they reached the ship, Dr. MacInnis said, "it was a terribly emotional experience, to reach back through a century to feel the spirits of those guys who I think were the astronauts of their generation".

Samples of wood and metal from the ship will be sent to Parks Canada in Ottawa for analysis of the effects of very cold water on them. On first sight, the wood appears better preserved than the metal. Photographs of the dive, as well as 15 hours of videotapes, will be sent to various research centres. In addition to the views of the ship, videotape and photos showing marks on the ocean bottom made by icebergs may provide insights into the problems faced in laying undersea oil pipelines.

Dr. MacInnis said that the experience gained in diving and in organizing the expedition would also aid future efforts to retrieve downed aircraft or ships in the Arctic.

be spent. The company has 53 firm orders for the plane and options for 66 more. It is the largest backlog of advance orders for a new airplane that de Havilland has ever enjoyed.

The plane will be joined in a certification program by four more *Dash 8*s under construction that will fly a total of 1 600 hours. Delivery of the first plane to a customer will take place in September 1984.

The plane's registration number, C-GDNK, was chosen to honour the company's past chairman, Douglas N. Kendall, who rode with Mr. Sandford in the *Dash 7* chase plane.

#### Rail cars to Indonesia

Minister of State for International Trade Gerald Regan has announced the signing of a contract in Indonesia between Hawker Siddeley Canada Inc., Trenton Works Division, and the Department of Communications, Directorate of Land Transportation and Inland Waterways, for the provision of 379 railway cars as part of the Bukit Asam Coal Mine Development Project.

The signing of this contract follows closely Mr. Regan's trade mission to Southeast Asia in May during which time he met with Indonesian ministers in support of bids by Canadian companies for the Bukit Asam project.

The Hawker Siddeley contract is worth some \$23 million and covers 259 coal wagons, 75 sand and ballast wagons in semi-knockdown condition, and 45 flat wagons to be delivered in a completely built-up form. The semi-knockdown units will be assembled in Indonesia by P.T. Inka, a local company.

Financing for this equipment is expected to be supplied by the Export Development Corporation as part of a loan for the Bukit Asam project.

The contract provides for the exchange of specialists between Canada and Indonesia for the purposes of technology transfer, and Hawker Siddeley will provide technical assistance to P.T. Inka during the assembly operations.

#### Displaced persons aided

Canada will provide \$975 000 in humanitarian assistance to the victims of the civil war in El Salvador, Deputy Prime Minister and Secretary of State for External Affairs, Allan J. MacEachen, has announced. The grant is in response to appeals from the International Committee for the Red Cross (ICRC) and will be provided through the International Humanitarian Assistance (IHA) program of the Canadian International Development Agency (CIDA).

As the scale of violence mounts in El Salvador, the number of displaced persons in need of assistance increases. Estimates put the number of displaced persons between one-quarter and one-half a million. They require a wide range of emergency relief, from food, temporary shelter and bedding to medical assistance and protection.



Ron Nunney

De Havilland's Dash 8 on maiden flight.