and selling oats and barley during the present crop year, prior to the removal of price ceilings on these grains, were entitled to an adjustment on the part of the Dominion Government. Mr. Howe emphasized that these payments apply only on oats and barley delivered and sold by producers between August 1, 1947, and October 21, 1947.

The Canadian Wheat Board has been instructed to proceed with these payments as rapidly as possible.

MARK-UP..ON ONIONS, APPLES: 'The Wartime Prices and Trade: Board announced reimposition of mark-up control on imported apples and onions, effective: July: 9, 1948.

:This.action:is.in.line:with.the.policy.of .imposing:control.on.fresh:fruit:and:wegetables .which.are:subject:to the import:controls.

Importing wholesalers are allowed a markup of 12% for apples and 15% for onions on sales to retailers. When an importing wholesaler sells to another wholesaler he is only allowed a markup of seven per cent: for apples and hime per cent for onions. The secondary wholesaler is then allowed a markup of six per cent on apples and seven per cent on onions. A retailer who buys from a wholesaler is permitted a markup of 25% for both products.

EASTERN ARCTIC PATROL

ESEVEN: VESSELS: EMPLOYED: Seven: vessels: will be used: to:carry: supplies to posts in the Eastern Arctic this: summer, the Hon. James A. MacKinnon, Minister of Mines and Resources, announces: in:a: statement giving: details of the 1948; Eastern: Arctic Patrol.

These:ships:will visit:all:settlements, imedical:centres,:R.C.M.P. detachments,:trading.posts,:missions,:and weather:and:radio:stations in the Far North. In former kears:the:Patrol.was carried.on:by.R.M.S. "Nascopie", which:was.lost.on.a.reef.off Cape Dorset.last.year.

First vessel to leave for the Northland will be the M.V. "Regina Polaris", owned by the Hudson Bay Vicariate Transport Limited, which will sail from Montreal on July 10 to visit the settlements in the Hudson Bay area and on the south side of Hudson Straft and Ungava Bay:

:S.J.:Bailey:will:represent: the:Northwest :Territories:Administration:as:Administrative .Officer.on: the. "Regina Polaris", :and:will:con-:duct:inspections:at: the:various:settlements, .paying.particular:attention:to:welfare:con-:ditions:among:the:Eskimos.

:Aboard: the: "Regina: Polaris": will: be Dr. H.W. :Lewis, of: the: Department of: National Health: and: Welfare, : who in the: capacity of: Medical. Superintendent: for: the: Eastern: Arctic, will: give: necessary: medical: treatment: to: the: natives: at: the: various.ports: of: call.: Medical. inspection: trips: to: Baffin: Island.posts: have: been: made: earlier: this.year.

The:M:V. "Terra:Nova":chartered:by:the:Hudson:Bay:Company,:will:sail:in:August:to:the:settlements:along:the:eastern:and:morthern:coasts.of:Baffin:Island.:Alex:Stevenson:will:be:the:Administrative:Officer.

The other vessels: carrying Government: supplies: will be: the M:V. "Eskimo", owned: by the Hudson: Bay Company, which: will: serve: Lake Harbour, Frobisher: Bay, : and: certain other posts: in Hudson: Strait: and Hudson: Bay; the M.V. "Clarenville", which will: be: used. by the Hudson: Bay Company: to help supply: the: northern: Baffin: Island: trading: posts; : the: M:V. "Earl: Trader", : also: operated: by: the: Hudson: Bay Company: sailing: from: Sydney,: N:S.: with: supplies: for: Baker: Lake, N:W:T.; the: Baffin: Trading: Company: s: N.V. "Ice: Hunter", : which: will: visit: the: Lingava: Bay: posts, : and: the: Government: ice: breaker: "N:B.: McLean", : carrying: supplies: from: Churchill: to: Southampton: Island.

:RADAR:AIDS:MARINE:NAVIGATION: :The: "Radel", a 65-ft, motor: vessel, owned: by the National :Research: Council, :is.operated:as.part.of:the :Radio:and:Electrical:Engineering:Division's programme of : radar aids to navigation. : The :yessel:is:equipped.with:the:latest:type.of :radar:in:which.discrimination:and:minimum ; range : have; been : so: improved; that; the 'vessel :can navigate:safely:in:narrow:channels: (200 :ft:].or:enter harbours:and:approach:within:75 :ft. .of:buoys.or:wharves:under:conditions.of .low:visibility.:During:radar:investigations : the : ship 's : course : is : controlled : by : the : use . of steering equipment: below: decks: with: no. outside :view:whatever..Photographs.of:radar:displays :made from the ship permit the construction of :mosaic:maps:for:navigational.purposes.

:This:summer:the:"Radel".will:carry out :comparison:trials:between:NRC:merchant:ma-:rine:radar:and:a:commercial.prototype.on:the :Ottawa:River:during:the:first:two:weeks.of : July.)The . "Radel": will: also : be: used: to: conduct :maximum:range:trials.on:small:radar:buoys,; and to determine the necessary spacing of buoys :laid out in patterns so as to give a well-. defined:echo:indicating:some:definite:hazard to navigation. Patterns of; buoys: as, for ex-.ample, .in:squares.or:three:in:line,:will:be .used:to:replace:single:coloured:buoys:for :radar:identification,:as:radar:does:not:distinguish colours, :but.only:shapes. Department .of:Transport:radar:buoys:will:be:used.in:the .determination.of:the:most:suitable:type.of reflector for maximum range. : Consideration :will:be:given:to:size, .weight, :and.ease.of : construction of : two : different : types.

After: 12: July, the "Radel": will.proceed: via: the: Rideau River to Kingston, where: a .demonstration.of: radar equipment: will: be: made: before: members: of: the National Defence College.
Later: the: vessel.will.proceed: to: Toronto .where: work: begum: last year: will: be: continued. on: radar: mapping: of the: lake: shorelines, : harbour: entrances, : and: trials.of: blind: navigation: in: and.out.of: all.available: small: har-

bours. Observations will be made on Lake Ontario of conditions of abnormal propagation of radar signals.

Subsequently, a visit will be made to Caribou Island in Lake Superior for performance trials of new radar reflectors on the Caribou Island lighthouse. En route, radar maps will be made of the area around Sarnia and Sault Ste. Marie.

HARBOUR RADAR AID FOR VANCOUVER At the request of the Department of Transport, the Radio and Electrical Engineering Division will shortly select a site for the installation of a harbour radar aid at the port of Vancouver, B.C. A truck, fitted with modern radar communication and photographic equipment, will be shipped to Vancouver early this month, and a party of three NRC scientists will conduct the survey. It is anticipated that a suitable site may be found in the vicinity of the Lions Cate Bridge, which will give adequate coverage of the inner harbour and of English Bay

NORTH MAGNETIC POLE

AERIAL SURVEYS CONTINUED Scientists from the Dominion Observatory in Ottawa leaving Ottawa; by an R.C.A.F. Canso amphibian, are to continue last year's aerial magnetic surveys aimed at fixing position of the Magnetic North Pole announces the Hon. James A. Mackinnon, Minister of Mines and Resources.

The Joint Mines and Resources R.C.A.F expedition hopes to determine with greater exactness the position of the North Magnetic Pole, known to be located in the nonthwestern part of Prince of Wales Island as a result of last summer's "Operation Polco", when the R.C.A.F. flew a similar group north. In addition, it will gather sufficient data to enable completion of the first reliable magnetic charts of Canada's Arctic regions

Accompanying the party, which will spend about two months in the Arctic islands, will be two scientists appointed by the Geographical Bureau, Department of Mines and Resources.

In charge of the magnetic work will be Paul H. Serson of Ottawa. A veteran of three successful trips to the Arctic, including last year's survey, Mr. Serson will use instruments of his own design which received initial tests last summer on "Operation Polco" He will be assisted by Ralph D. Hutchison of Toronto a senior student at the University of Toronto who saw five years' service as a lieutement in the Royal Canadian Navy during the Second World War.

Scientists being sent north by the Geographical Bureau are John Carroll, an engineer on the staff of the Topographical Survey of Mines and Resources and J.L. Jenness of the Geographical Bureau staff. Mr. Carroll who will assist the magnetic pasty by determining precise latitude and longitude of each site visited, will also aid Mr Jenness in making a geographical reconnaissance of the surrounding area. The pair will study landforms, vegetation, wildlife, tides, currents, ice conditions, and other aspects of the physical geography of the area, and will record locations of archaeological sites and other evidence of former native occupation. They will also take air and land photographs to supplement their own observations. Mr. Jenness is the eldest son of Dr. Diamond Jenness, whose membership in the Canadian Arctic Expedition of 30 years ago, led by Dr. Vilhjalmur Stefansson, is recorded in the name of an island near: Borden island, which may be visited again this summer.

Among the islands on which sites formagnetic observations have been selected are Victoria, Banks, Melville, Bathurst, Prince Patrick, Borden, and Ellef Ringnes. They lie within an area bounded by the parallels of 70 and 80 degrees north latitude and the meridians of 100 and 125 degrees west longitude. The region is one of the least-known parts of the Canadian Arctic, and has not been studied by scientists since Dr. Stefansson went there.

The expedition like the predecessor last summer, will call for skillful flying on the part of the R C:A F. crew. Each landing site will have to be reconnectered carefully before putting the Canso down on the water. Even where ice-free stretches of water are encountered, the crew must be alert against the danger of wind changes forcing ice packs shoreward, trapping the flying boat. The trip will mark the "farthest north" reached by the flying boat, as far as sustained operations are concerned.

In charge of all flying operations during the trip will be Flying Officer D.K. Game, captain of the Canso, Vancouver, one of the R C A.F. 's most experienced Arctic flyers. Nine other crew members and ground technicians will make up the R.C.A.F. party. They are: Flying Officer D R Cuthbertson (pilot) Eastview. Ont Flying Officer J.E. Goldsmith (navigator) Halifax, Flying Officer W. Smith (wireless operator) Ottawa; Sergeant A.B. Hillman (flight engineer) Ottawa; Corporal T.M. Roche (electrician aero) Hamilton, Ont.: Leading Aircraftman W.R. Southcombe (airframe mechanic) Sarnia, Ont; Leading Aircraftman R.A.R. Duhamel (instrument mechanic) Ottawa; Leading Aircraftman A.T. Friberg (aero-engine mechanic) Sooke, B.C., Leading Aircraftman I S. J. Paquette (safety equipment worker) of Montreal. F/O Goldsmith, the navigator is a veteran of "Operation Polco."

R.C.A.F. crew members of last summer's expedition added greatly to further knowledge of the Arctic Area by doing pencil aerial reconnaissance sketches of many of the places visited to obtain magnetic readings. In several cases their observations revealed errors in existing maps and their notes were turned over to Mines and Resources as the basis for corrections in further maps of the region.