

Mr. J. A. Jerome (Parliamentary Secretary to President of the Privy Council): 1. In so far as the Canadian Arsenals Limited is concerned, no.

2. In so far as the Canadian Commercial Corporation is concerned: Australia, Belgium, Botswana, Brazil, Britain, Burma, Brunei, Denmark, France, The Federal Republic of Germany, India, Kenya, Malaysia, Netherlands, New Zealand, Norway, Pakistan, Portugal, Singapore, Zambia, Sweden, Switzerland and the United States of America. In so far as the Department of Industry, Trade and Commerce is concerned: In addition to the countries indicated above, the following countries made direct purchases from Canadian companies during the calendar year 1970: Argentina, Chile, Colombia, Ecuador, Finland, Ghana, Greece, Italy, Jamaica, Japan, Muscat and Oman, Panama, Peru, Republic of South Africa (terminated 2 November 1970), Spain and Tanzania.

3. Terms of sale to foreign governments regarding future use of Canadian defence commodities are governed by the following conditions: (a) commodities manufactured under licence or developed as cooperative research, development and production projects, require the consent of codevelopers both as to the sale and restrictions on disposal to third countries. (b) where an export permit is required under the Export and Import Permits Act, the applicant in his application is required to state the country in which the goods are to be consumed or finally remain, after satisfying himself as far as reasonably possible that the goods will enter into the economy of such country and will not be transshipped or diverted therefrom.

4. Except as indicated in 3 no restrictions are placed on the resale to other countries of weapon systems containing Canadian made components.

SAFE LEVEL OF HEAVY METALS IN THE ENVIRONMENT

Question No. 1,296—Mr. Harding:

Are studies being conducted by the government in regard to the safe level for the various heavy metals in the environment and, if so, what are they?

Mr. Eymard Corbin (Parliamentary Secretary to Minister of the Environment): Yes, they are: (i) studies of physiological and toxicological effects of methyl mercury on freshwater fish; (ii) nutritional studies on chickens, hogs, and mink using rations of known mercury content; examination of tissue levels of mercury; and influence on behaviour, physiology, fertility, and hatchability; (iii) determination of rates of accumulation and loss of metal contaminants in marine and anadromous fishes, and lethal concentrations; studies of biochemical and physiological effects and indicators of sublethal exposure, for example, enzymes, endocrine changes; (iv) development of bioassay using a tissue culture system to determine sensitivity to heavy metals; (v) study of interactions of heavy metals with organic macromolecules, such as humic substances, and with suspended matter and sediments, and of their biological effects; (vi) a laboratory study recently completed and field studies still underway to relate mercury residue levels in eggs of birds to the degree of success in hatching or of survival of young. Research has concentrated on identifying levels of mercury in the environment that are or are not harmful to bird reproduction,

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because this is the most sensitive point of influence; and, (vii) a laboratory study recently completed showing what levels of mercury in the diet of hawks lead to direct poisoning.

DEMAND FOR CANADIAN WATER

Question No. 1,297—Mr. Harding:

1. Are studies or inventories now in progress on the supplies and potential demands for Canadian water and, if so, what are they?

2. Is water currently being exported to the United States and, if so (a) in what amounts (b) where are such exports being made (c) what are the fees received?

Mr. Eymard Corbin (Parliamentary Secretary to Minister of the Environment): 1. Studies of water supply which include quantity, quality, distribution and regime are in progress nationally and regionally. Approximately 2,500 active gauging stations are now maintained to provide records of flows and levels of Canada's rivers and lakes. In addition, the Water Survey operates almost 600 stations which record tides, ground water levels, water quality and precipitation. No comprehensive studies are underway on a nation-wide basis to forecast potential water demands in Canada, although these are being planned.

2. The only case of water export known, a local arrangement, involves two small neighbouring communities in New Brunswick and Maine. St. Stephen, New Brunswick, sells 0.6 m.g.d. (million gallons per day) of its groundwater supplies at \$55 m.g. to the Calais Water and Power Company in Maine. One quarter of this amount returns across the border to Milltown, New Brunswick.

ASSISTANCE TO PROVINCE OF NEWFOUNDLAND FOR AIRPORT DEVELOPMENT

Question No. 1,317—Mr. Marshall:

Has the Province of Newfoundland applied to the federal government for assistance under the Department of Transport to establish air landing strips at (a) Cartwright (b) Mary's Harbour (c) Springdale (d) Grand Falls (e) Wesleyville (f) Bonavista (g) Catalina (h) Winterland (i) Harbour Breton (j) Channel (k) Port-aux-Basques and, if so, what assistance will be given?

Mr. Gérard Duquet (Parliamentary Secretary to Minister of Transport): Newfoundland Provincial authorities have made enquiries to the Atlantic Region of the Canadian Air Transportation Administration, Department of Transport, concerning the possibility of obtaining technical and/or financial assistance in respect of the above mentioned locations. The Provincial authorities in co-operation with officials of the Air Administration are presently investigating the technical feasibilities of establishing airports in these locations.

DOLLAR VALUE OF ORIGINAL EQUIPMENT AUTO PARTS MADE IN CANADA

Question No. 1,360—Mr. Hales:

1. What is the dollar value of the original equipment auto parts made in Canada for each year since 1962?

2. What is the percentage of these parts of the total North American (U.S. and Canada) car and truck production?

3. What is the percentage of these parts of the total Canadian car and truck production?