

*Order Paper Questions*

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|--------------------------------|--|
| Dr. J. B. Sutherland           | Head, Nuclear Medicine<br>Health Sciences Centre<br>Winnipeg, Manitoba   |
| Mr. R. Wilson                  | Director, Health and Safety Division<br>Ontario Hydro<br>Toronto, Ontario  |
| Subcommittee on Risk Estimates |  |
| Dr. J. Muller<br>(Chairman)    | Former Head (Retired)<br>Special Studies Services<br>Special Studies and Services Branch<br>Ontario Ministry of Labour<br>Toronto, Ontario |
| Dr. T.W. Anderson              | Head, Department of Health Care and<br>Epidemiology<br>University of British Columbia<br>Vancouver, British Columbia                       |
| Dr. G.W. Gibbs                 | Director, Health and Safety Affairs<br>Celanese Canada Inc.<br>Montreal, Quebec  |
| Dr. G.B. Hill                  | Director<br>Department of Epidemiology<br>Alberta Cancer Board<br>Edmonton, Alberta  |
| Dr. H.B. Newcombe              | Former Head (Retired)<br>Populations Research Branch<br>Chalk River Nuclear Laboratories<br>Chalk River, Ontario                           |
| Dr. D.K. Myers                 | Head, Radiation and Biology Branch<br>Chalk River Nuclear Laboratories<br>Atomic Energy of Canada Limited<br>Chalk River, Ontario          |
| Dr. M.R. Avadhanula            | Technical Secretary<br>Atomic Energy Control Board<br>Ottawa, Ontario  |

(b) (i) All the committee members are senior professionals in the fields of engineering and science.

(ii) The committee members are normally appointed by the AECB for two years and may be re-appointed. The term of all current members expires March 31, 1985.

(c) See below.

(d) There is a provision in the committee's current year budget for funds of \$25,000 to support background studies. However, such expenditures have not been made to date. Certain secretariat costs such as office supplies, stationery, etc. are covered by the AECB.

2. (a) Terms of Reference: Advisory Committee on Radiological Protection

(i) To advise the AECB on matters relating to health protection concerning ionizing radiation.

(ii) To advise the AECB on any health aspects of exposure to ionizing radiation related to the activities of the Board, including such matters as:

Interpretation and application of the recommendations of the international Commission on Radiological Protection and other international bodies concerned with radiation protection, including review of proposed regulations.

Interpretation of new information on biological effects of ionizing radiation that could have a bearing on radiation protection standards.

Research and development related to radiological health and protection.

Broad or generic radiation protection issues associated with the licensing activities of the Board.

Subcommittee on Risk Estimates

(i) To provide expert advice on the health risks from exposure to ionizing radiation.

(b) In 1982-83, the Advisory Committee or Subcommittee considered the following topics: proposed revisions to sections of the Atomic Energy Control Regulations pertaining to limits for exposure to ionizing radiation; criteria for the protection of the public in the event of a nuclear emergency; assessment of ionizing radiation as a factor causing cancer in exposed individuals claiming compensation; intake limits for radon and thoron daughters for uranium miners; review of the AECB proposed program for research; review of the risk to the foetus from exposure to ionizing radiation; the concept of negligible dose; relative biological effect of exposure to tritium; and advice to the Board on responses to queries from the public.

(c) The Committee met five times during 1982-83 for a total of six days. Also, the working groups and task forces met several times. The Committee is required to meet at least once per year.

(d) In 1982-83, the Committee published: ACRP-1, "Risk Estimates for Exposure to Alpha Emitters", and ACRP-2, "Risks of Low-LET Radiation as Given in BEIR-III and Previous Reports".

(c)

| Members             | 1979-80                 | 1980-81   |            | 1981-82    |           | 1982-83   |           | Total      |            |
|---------------------|-------------------------|-----------|------------|------------|-----------|-----------|-----------|------------|------------|
|                     | Honoraria and Travel    | Honoraria | Travel     | Honoraria  | Travel    | Honoraria | Travel    | Honoraria  | Travel     |
| Dr. G.C. Butler     | —                       | —         | —          | —          | —         | —         | —         | —          | —          |
| Dr. T.W. Anderson   | Not applicable<br>(N/A) | \$ 700.00 | \$1,648.30 | \$1,400.00 | —         | \$ 450.00 | \$ 995.40 | \$2,550.00 | \$2,643.70 |
| Dr. P. Lachance     | —                       | —         | 879.15     | —          | \$ 338.05 | —         | 2,132.02  | —          | 3,349.22   |
| Dr. B. Lentle       | N/A                     | N/A       | N/A        | N/A        | N/A       | N/A       | N/A       | N/A        | N/A        |
| Dr. E.G. Létourneau | —                       | —         | —          | —          | —         | —         | —         | —          | —          |
| Dr. A.M. Marko      | —                       | —         | —          | —          | —         | —         | —         | —          | —          |
| Dr. E. Mastromatteo | N/A                     | N/A       | N/A        | N/A        | N/A       | 1,125.00  | —         | 1,125.00   | —          |
| Dr. J. Muller       | 267.55                  | 1,225.00  | 1,353.90   | 3,525.00   | 515.45    | 2,587.50  | 1,017.55  | 7,337.50   | 3,154.45   |