

THE AUSTRALIAN NATIONAL UNIVERSITY  
THE JOHN CURTIN SCHOOL OF MEDICAL RESEARCH

RADIOISOTOPES COMMITTEE

ANNUAL REPORT 1986-1987

Members: Dr. I.A. Hendry (Convenor)  
Professor G.L. Ada  
Dr. W.M. Burch  
Dr. M.A. Denborough  
Dr. P.G. Board

Radiation Safety Officer: Mr. Kevin Chamberlain

The Isotope Committee would like to thank the Radiation Safety Officer, Mr. K. Chamberlain, for his assistance in the administration of matters concerning radioisotopes during the year.

The School now has five licencees who are responsible for the use of isotopes within the School. These are the licensees nominated by Faculty Board, Dr. Hendry (Convenor, Radioisotopes Committee), Dr. Ardlie (Medicine and Clinical Science), Dr. Armarego (Wings C and D) and Dr. Board (Wings A and B). Mr Chamberlain has also been licenced in accordance with his duties to oversee the day to day administration of radiation within the School.

Faculty Board may now consider it to be appropriate to form a radiation committee consisting of these licencees.

This year a small number of people had elevated badge readings which were reported to the A.C.T. Radiation Council according to the procedures laid down in the A.C.T, Radiation Ordinance and these readings have been recorded by the Radiation Council.

It is important to ensure that badges are not stored in places likely to receive radiation, for example on laboratory coats hung on refrigerators containing isotopes.

The Australian Radiation Laboratory has now implemented a new computerised film badge results system which has brought about some minor changes in the administration of the service in the School and minor problems seem to have been overcome although there seem to be longer than usual delays in our receiving their report.

A number of technicians have undertaken the radiation safety course offered by the Bruce TAFE in the last year. This has significantly led to a greater awareness of radiation safety in the School.

Summary of Radioactivity purchases in the year ending June 1987

<u>Nuclides</u>	<u>Activity purchased mCi</u>
<sup>51</sup> Cr	1010.00
<sup>3</sup> H	124.90
<sup>32</sup> P	179.25
<sup>125</sup> I	41.56
<sup>35</sup> S	123.75
<sup>14</sup> C	0.35
<sup>59</sup> Fe	0.75
	<u>1480.56</u>

Summary of Radioactivity purchased for use in JCSMR over the last five years

<u>Year ending June</u>	<u>mCi purchased</u>
1983	1968
1984	1980
1985	1573
1986	2185
1987	1481

*I.A. Hendry*

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Convenor