## U. S. ATOMIC ENERGY COMM>~-40N SYPRODUCT MATERIAL LICENSI

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 30, Licensing of Byproduct Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee  1. Name Melpar, Incorporated Research Division  2. Address Arlington Boulevard Falls Church, Virginia		3. License nu	45-7548-2 mber (H69)
		4. Expiration date August 31, 1969	
		5. Reference 1	No.
6. Byproduct material (element and mass number)  A. Cestum 137		or physical form	8 Maximum amount of radioactivity which licensee may possess any one time A. 2,000 curies

To be used in an American Nuclear Corporation "CES-I-RAD 2000" for the study of radiation effects, excluding the irradiation of explosives.

## CONDITIONS

- 10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
- The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."
- Byproduct material shall be used by, or under the supervision of, Robert C. McIlhenny. 12.
- 13. Each sealed source containing byproduct material shall be tested for leakage and/or contamination at intervals not to exceed 6 months. In the absence of a certificate from a transferor indicating that a test has been made within 6 months prior to the transfer, the sealed source shall not be used until tested.

(See Page 2)

For the U. S. Atomic Energy Commission

P3+1-9-31-64

Original Signed by Isotopes Branch Daniel B by Division of Mater

CONTRACTOR :

## U. S. ATOMIC ENERGY COMMISSION BYPRODUCT MATERIAL LICENSE,

Supplementary Sheet

License Number 45-7548

Continued from Page 1:

## CONDITIONS

- The tests shall be capable of detecting the presence of 0.05 microcurie of con-13. B. tamination on the test sample. The test sample shall be taken from appropriate accessible surfaces of the device in which the sealed source is permanently or semipermanently mounted or stored. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
  - C. If the test reveals the presence of 0.05 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five days of the test with the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, Washington, D. C., 20545, describing the equipment involved, the test results, and the corrective action taken. A copy of such report shall be sent to the Director, Region II, Division of Compliance, USAEC, 50 Seventh Street, Northeast, Atlanta, Georgia, 30323.
  - D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
- The procedures contained in American Nuclear Corporation's instruction manual for 14. the "CES-I-RAD 1000" device shall be followed and a copy shall be made available to each person using or having responsibility for the use of the byproduct material. Composed a consequence of the Item I value

gent tolonge to to

Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6.7, and 8 of this license in water 1 accordance with statements, representations, and procedures contained in the application dated June 2, 1964, signed by Dr. P. E. Ritt, and enclosures thereto. The second of th

1.33

For the U. S. Atomic Energy Commission

The state of the s

ent of the location was easily without the

Original Signed by Isotopes Branch Daniel B. Howell by Division of Mat

laiuse erhenvouserse

January Draw of March 1 The D

新疆版的设置 (Plantage March 1997) 1997 1997 1997

CHANGE STORT OF THE STATE OF THE STATE OF