

**U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE**

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		3. License number
1. Name	National Research Corporation Physics Department 70 Memorial Drive Cambridge 42, Massachusetts	20-1165-2
2. Address		4. Expiration date
		July 31, 1959
	5. Reference No.	
6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time
Hydrogen 3	15 U. S. Radium Corp. Sources Model No. IAB-507	1 curie each - total 15 curies
Hydrogen 3	5 U. S. Radium Corp. Sources Model No. IAB-508	1 curie each - total 5 curies

9. Authorized use

H 3: Ionization sources for the experimental investigation of vacuum gauges, gas analyzers, and other instruments utilizing ionized gas molecules as a principle of operation.

CONDITIONS

- 10. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.
- 11. Byproduct material to be used by, or under the supervision of, **G. Frederick Vanderschmidt.**
- 12. Byproduct material must be incorporated into sources prior to possession by licensee.
- 13. Total amount of Hydrogen 3 (tritium) procured under this license shall not exceed 20 curies.

AMEND #1 12/3/57 JRM/jms

For the U. S. Atomic Energy Commission

Date July 25, 1957

by 7-25-57 *PCA/jms*

Director, Isotopes Extension
Division of Civilian Application
Oak Ridge, Tennessee

JH/Hy

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