Form AEC-313 (1-58)	ATOMIC ENERGY C	COMMISSION JCT MATERIAL LICENSE
INSTRUCTIONS. plate only items supplemental she Commission, Way application, the accordance with ject to Title 10,	-Complete Items 1 through 16 if this is an in 1 through 7 and indicate new information o tets where necessary. Item 16 must be complet shington 25, D. C. Attention: Isotopes Bran applicant will receive an AEC Byproduct Ma the general requirements contained in Title 1 Code of Federal Regulations, Part 20.	itial application. If application is for renewal of a license, com- r changes in the program as requested in Items 8 through 15. Use ed on all applications. Mail three copies to: U. S. Atomic Energy ch, Division of Licensing and Regulation. Upon approval of this terial License. An AEC Byproduct Material License is issued in 0, Code of Federal Regulations, Part 30 and the Licensee is sub-
<ol> <li>(a) NAME AND STREET ADDRESS OF APPLICANT. (Institution, firm, hospital, person, etc.)</li> </ol>		(b) STREET ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED. (If different from 1 (a).)
Gettysburg College Gettysburg, Pennaylvania		Sot applicable
2. DEPARTMENT TO USE BYPRODUCT MATERIAL Physics Department		3. PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of a license, please indicate and give number.) 37-61.76-1 Renewal
4. INDIVIDUAL USER(S). (Name and Hile of individual(s) who will use or directly supervise use of byproduct material. Give training end experience in Hems 8 and 9.) J. Richard Heskins, Associate Professor of Physics		<ul> <li>(JOC)</li> <li>5. RADIATION PROTECTION OFFICER (Name of person designated as radiation protection officer if other than individual user. Attach resume of his training and experience as in Items 8 and 9.)</li> <li>Bot applicable</li> </ul>
<ul> <li>(a) BYPRODUCT MATERIAL. (Elements and mass number of each.)</li> <li>(b) CMEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLICURIES OF EACH CHEMICAL AND/OR PHYSICAL FORM THAT YOU WILL POSSESS AT ANY ONE TIME. (If sealed source(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)</li> <li>Cobelt-60</li> <li>Cesium-137</li> <li>Promethium-11;7</li> <li>Thallium-201;</li> <li>Zinc-65</li> <li>Cobelt-58</li> <li>(b) CMEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLICURIES OF EACH CHEMICAL AND/OR PHYSICAL FORM THAT YOU WILL POSSESS AT ANY ONE TIME. (If sealed source(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)</li> <li>Cobelt-60</li> <li>Cesium-137</li> <li>Promethium-11;7</li> <li>Promethium-20;</li> <li>Cecil in HCl solution 5 millicuries</li> <li>Cobelt-58</li> <li>Co Cl<sub>2</sub> in HCl solution 5 millicuries</li> <li>Cecil in HCl solution 5 millicuries</li> <li>Cecil in HCl solution 5 millicuries</li> </ul>		
7. DESCRIBE PURPOSE pleted in lieu of this which the source will It is plat physics at correlatio	FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (H i item. If byproduct material is in the form of a sealed source, be stored and/or used.) mad to use these isotopes in a sources in gamme-gamma and be on experiments and in beta and	byproduct material is for "human use," supplement A (Form AEC-313a) must be com- include the make and model number of the storage container and/or device in a senior laboratory course in muclear sta-gamma coincidence and angular gamma scattering experiments.
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