		^``}		
Form AEC-313 (5-58)	APP	ATOMIC ENERGY C	OMMISSION CT MATERIAL LICENSE	Form approved. Budget Bursau No. 38–R027.3.
INSTRUCTIONS.—Complete Items 1 through 16 if this is an initial application. If application is for renewal of a license, com- plete only Items 1 through 7 and indicate new information or changes in the program as requested in Items 8 through 15. Use supplemental sheets where necessary, Item 16 must be completed on all applications. Mail three copies to: U. S. Atomic Energy Commission, Washington 25, D. C. Attention: Isotopes Branch, Division of Licensing and RegulationUpon approval of this application, the applicant will receive an AEC Byproduct Material License. An AEC Byproduct Material License is issued in accordance with the general requirements contained in Title 10, Code of Federal Regulations, Part 30 and the Licensee is sub- ject to Title 10, Code of Federal Regulations, Part 20.				
1. (a) NAME AND STR person, etc.)	EET ADDRESS OF AM	LICANT. (Institution, firm, hospital,	(b) STREET ADDRESS(ES) AT WHICH BYPROD different from 1 (a).)	UCT MATERIAL WILL BE USED. (IF
Gettysburg College Gettysburg, Pennsylvania			Not applicable	
2. DEPARTMENT TO USE BYPRODUCT MATERIAL			3. PREVIOUS LICENSE NUMBER(S). (If this	is an application for renewal of a
Physics Department			license, please indicate and give number.) 37-6176-1 Renew (B62)	al amend #1
 NDIVIDUAL USER(S). (Name and title of individual(s) who will use or directly supervise use of byproduct material. Give training end experience in Items 8 and 			5. RADIATION PROTECTION OFFICER (Name o tection officer if other than individual user.	f person designated as radiation pro- Attach resume of his training and ex-
J. Richard Haskins, Associate Professor of Physics			Not applicable	
6. (a) BYPRODUCT MA and mass numb Cobalt-60 Cesium-13 Promethiu Thallium- Zinc-65 Cobalt-50	ITERIAL. (Elements or of each.) 37 1m-1147 -2014	(b) CHEMICAL AND/OR PHYSICAL F ICAL FORM THAT YOU WILL POS number, number of sources and me CoCl ₂ in HCl a CsCl in HCl so Pm Cl ₃ in HCl Tl NO3 in HNO Z _n Cl ₂ in HCl Co Cl ₂ in HCl	ORM AND MAXIMUM NUMBER OF MILLICURIES SESS AT ANY ONE TIME. (If sealed source(s), or aximum activity per source.) solution 5 millicuries solution 1 millicuries solution 1 millicuries solution 5 millicuries solution 5 millicuries solution 5 millicuries	OF EACH CHEMICAL AND/OR PHYS- store name of manufacturer, model
7. DESCRIBE PURPOSE FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (If byproduct material is for "human use," supplement A (rorm ACC-313d) must be com- pleted in lieu of this item. If byproduct material is in the form of a sealed source, include the make and model number of the storage container and/or device in which the source will be stored and/or used.) It is planned to use these isotopes in a senior laboratory course in nuclear				
physics as sources in gamma-gamma and beta-gamma coincidence and angular correlation experiments and in beta and gamma scattering experiments.				
		DUPL FOR DIV. OF	COMPLIANCE	40458 A/7
•••••		(Continued	on reverse side)	01

•

t i The state

•

ł,

. .

a the and the same set

and and the second

ی اور در از میکند. مربع ایرونی در دیدهاه