

NND 813064
 BF 02-54

SECURITY CLASSIFICATION

OSD1.940627.014d

RESEARCH AND DEVELOPMENT PROJECT CARD (NEW PROJECTS)		2. SEC. U	3. PROJ. NO. 6-59-08-10
1. PROJECT TITLE Irradiation on Enzyme Systems, Effects of		4. INDEX NO.	5. REPORT DATE 20 Sep 49
6. BASIC FIELD OR SUBJECT Surgery		7. SUB FIELD OR SUBJECT SUB GROUP Radiology, Roentgenology &	
8. COGNIZANT AGENCY The Surgeon General, U.S. Army	12. CONTRACTOR AND/OR LABORATORY Med Dept Field Res Lab Fort Knox, Ky		CONTRACT/W. O. NO.
9. DIRECTING AGENCY Medical Res & Dev Bd, SGO	13. RELATED PROJECTS		17. EST. COMPL. DATES
10. REQUESTING AGENCY	14. DATE APPROVED 10 Oct 1949		RES.
11. PARTICIPATION AND/OR COORDINATION	15. PRIORITY 1-B		DEV.
	16. MAJOR CAT. AW-6		TEST
19.			OP. EVAL.
			Fy 18. FISCAL EST'S. \$36,113
20. REQUIREMENT AND/OR JUSTIFICATION To investigate the effect of total body irradiation on the various enzyme and endocrine systems.			
21. BRIEF OF PROJECT AND OBJECTIVE The objective of this project is to study and better understand the effects of varying degrees of total body irradiation on enzyme systems in body organs, particularly, intracellular enzyme mechanisms. The cytochrome oxidase system and the breakdown and liberation of energy in the hexokinase and adenosine triphosphate systems will be used. In addition, aberrations in nitrogen balance and the interrelationship between adrenal thyroid and pituitary gland activity will be studied as these may be effected by irradiation.			
22. RDB	SN	FC.	IC & P.
			X. I C

SECURITY CLASSIFICATION

27 June 94

RG 330, Secretary Of Defense
 Entry 346A - RDB, Resources Division,
 Reports & Statistics Branch Progress
 Reports, Dec 1946 - 1954
 Box #

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