

AD-766 268

RADAPPERTIZATION (RADIATION STERILIZATION) OF FOODS

ARMY NATICK LABORATORIES

JUNE 1973

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TECHNICAL REPORT

74-3-FL

**AD 766268** RADAPPERTIZATION (RADIATION STERILIZATION) OF FOODS

**BIBLIOGRAPHY OF TECHNICAL PUBLICATIONS AND PAPERS**

by

Eugen Wierbicki

Irradiated Food Products Division

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June 1973

U.S. ARMY  
Natick Laboratory  
Natick, Massachusetts

Food Laboratory

US Army Natick Laboratories

Natick, Massachusetts 01760

FL-178

R



Unclassified  
Security Classification

DOCUMENT CONTROL DATA - R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY (Corporate author)		2a. REPORT SECURITY CLASSIFICATION	
US ARMY NATICK LABORATORIES Natick, MA 01760		UNCLASSIFIED	
2b. GROUP			
3. REPORT TITLE			
Radappertization (Radiation Sterilization) of Foods. Bibliography of Technical Publications and Papers.			
4. DESCRIPTIVE NOTES (Type of report and inclusive dates)			
5. AUTHOR(S) (First name, middle initial, last name)			
Eugen Wierbicki			
6. REPORT DATE		7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
June 1973		27 22	98
8a. CONTRACT OR GRANT NO.		9a. ORIGINATOR'S REPORT NUMBER(S)	
b. PROJECT NO. LJ762713A033		FL-178	
c.		9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)	
d.			
10. DISTRIBUTION STATEMENT			
Approved for public release; distribution unlimited.			
11. SUPPLEMENTARY NOTES		12. SPONSORING MILITARY ACTIVITY	
		U. S. Army Natick Laboratories Natick, MA 01760	
13. ABSTRACT			
<p>This report is a bibliography of technical publications and papers on radappertized (radiation sterilized) foods written by scientific and supervisory personnel of the U. S. Army Natick Laboratories (NLABS), working in or responsible for the part of the National Radiation Preservation of Food Program dealing with radiation sterilization processing of pre-packaged, shelf-stable foods, mainly red meats, poultry and selected seafoods. The report includes 98 publications published within the period March 1962 through June 1973, subdivided into books, technical reports, patents, technical papers (NLABS) and reprints of scientific and technical journals.</p> <p>Index of authors with the corresponding entry numbers are included for easy search of the publications by the names of the authors.</p>			

DD FORM 1473  
1 NOV 65

REPLACES DD FORM 1473, 1 JAN 64, WHICH IS OBSOLETE FOR ARMY USE.

Unclassified

Security Classification

Security Classification

14 KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Research	8					
Reports	8					
Publications	8					
Development	8					
Radiation Sterilization	9					
Food Products	9					
Irradiated Foods	9					
Army Natick Laboratories	9					
Bibliographies	0					
Radappertization	9					

ib

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## FOREWORD

Numerous requests from the food industry and academic and research institutions in the United States and abroad about the status and progress made in the field of radappertized (radiation sterilized) shelf-stable foods prompted preparation of this bibliography report. This bibliography is a list of technical publications and papers by scientific and supervisory personnel of the U. S. Army Natick Laboratories (NLABS) working in or responsible for the part of the National Radiation Preservation of Food Program dealing with high dose radiation processing of pre-packaged, shelf-stable foods.

In addition, the compilation contains contractors' reports and a few selected books which were either edited or contain papers contributed by the NLABS personnel. In the book section are listed five periodic reviews of the food radiation program by the Joint Committee on Atomic Energy, Congress of the United States, which continuously encourages and supports the food irradiation program under the "Atoms for Peace" program.

The period covered by this bibliography is March 1962 through June 1973. The bibliography, subdivided into 5 groups (see contents), is arranged chronologically by the date of publication. This will allow easy updating of this report in the years ahead.

The books listed can be purchased from the publishers and copies of the patents from the U. S. Patent Office. A limited number of technical reports may be obtained from the Project Officers at the Natick Laboratories. Most of the technical papers and reprints from technical journals are available for distribution as of this time by writing to:

Dr. Eugen Wierbicki  
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Natick, Massachusetts 01760

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## RADAPPERTIZATION OF FOODS

### I. BOOKS

1. REVIEW OF AEC AND ARMY FOOD IRRADIATION PROGRAMS.  
Hearings before the Subcommittee on Research, Development and Radiation of the Joint Committee on Atomic Energy, Congress of the United States (JCAE), Eighty-Seventh Congress, Second Sessions, March 6 and 7 1962. Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402  
Price \$3.00.
2. REVIEW OF THE ARMY FOOD IRRADIATION PROGRAM.  
Hearing, JCAE, Eighty-Eighth Congress, First Session, May 13, 1963. Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402  
Price \$1.50.
3. RADIATION PROCESSING OF FOODS.  
Hearings, JCAE, Eighty-Ninth Congress, First Sessions, June 9 and 10, 1965. Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402  
Price \$2.50.
4. REVIEW OF THE FOOD IRRADIATION PROGRAM.  
Hearing, JCAE, Eighty-Ninth Congress, Second Session, September 12, 1966. Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402  
Price \$1.00.
5. STATUS OF THE FOOD IRRADIATION PROGRAM.  
Hearings, JCAE, Ninetieth Congress, Second Sessions, July 18 and 20, 1968. Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402  
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8. RADIATION PRESERVATION OF FOODS.  
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Proceedings, International Symposium on Food Irradiation, the International Atomic Energy Agency and the Food and Agriculture Organization of the United Nations, Karlsruhe, Germany, 6-10 June 1966; STI/PUB/127, International Atomic Energy Agency, P. O. Box 590, A-1011 Vienna, Austria, 1966.  
(67 papers, 956 pages).  
Price \$20.00
10. CHEMICAL AND FOOD APPLICATIONS OF RADIATION.  
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(16 papers, 149 pages).
11. RADIATION PRESERVATION OF FOODS.  
A Symposium co-sponsored by the Div. of Agricultural and Food Chemistry and the Division of Nuclear Chemistry and Technology at the 150th Meeting of the American Chem. Society, Atlantic City, N. J., Sept. 16-17, 1965. Advances in Chemistry Series 65, American Chem. Soc., Washington, D. C., 1967 (15 papers, 184 pages).  
Price \$7.00
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TID-24058, BDSA  
U. S. Department of Commerce,  
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March 1968  
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U. S. Department of Commerce, Bureau of Domestic Commerce, March 1972.  
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Price \$1.25
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Symposium on the Recent Advances in the Chemistry of Food Irradiation,  
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281-460 (completing Vol. 3), July 1972. Elsevier Publishing Company,  
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