

THE WILLIAM G. FREDRICK COLLECTION

Papers, 1932-1975
(Predominantly, 1942-1976)

9.5 Linear Feet
1 oversize box

Accession Number 390

The papers of Dr. William G. Fredrick, Sc.D. were placed in the University Archives by Mrs. William G. Fredrick in August 1976 and January 1977.

Dr. William G. Fredrick, Sc.D., Chairman of the Wayne State University School of Medicine, Department of Occupational and Environmental Health, and Director of the Detroit Department of Health, was born in Lockland, Ohio on January 25, 1909. After receiving his doctorate at the University of Michigan in 1936, Dr. Fredrick embarked upon a career which spanned 40 years, beginning as a member of a team which helped solve the lead poisoning problem in the auto industry during the 1930's. Upon graduation from the U of M, Dr. Fredrick accepted a position with the Detroit Department of Health, working as chief Chemist for the Bureau of Industrial Hygiene from 1936 until 1945 when he became Director of the Detroit Department of Health, a position he held for 25 years until 1970. In 1947, Dr. Fredrick entered the field of education and became a part-time assistant professor at Wayne State University. Two years later he received a full professorship but continued to divide his time between Wayne State and the Detroit Department of Health until 1970 when he taught full-time at Wayne State and became Chairman of the Wayne State University School of Medicine, Department of Occupational and Environmental Health in 1971. He retained this post until his death in Royal Oak, Michigan on June 27, 1976.

In addition to Dr. Fredrick's work at the Detroit Department of Health and Wayne State University, he also served as President of the Michigan Industrial Hygiene Society, 1948-1949; Chairman of the American Chemical Society, Detroit Section, 1952-1953; Director, Trustee and member of the National Sanitation Foundation, 1952-1976; President of the American Conference of Governmental Industrial Hygienists, 1957-1958; lecturer in environmental health at the University of Michigan's School of Public Health and consultant to its Institute of Industrial Health, 1957-1960; Director and Secretary of the American Industrial Hygiene Association, 1957-1963; President of the American Academy of Industrial Hygiene, 1968-1970; and President of the American Board of Industrial Hygiene, 1971-1976. The crowning glory of Dr. Fredrick's career came in 1975 when he was appointed by Michigan Governor William Milliken to chair the State's Occupational Health Standards Commission.

The papers in this collection reflect Dr. Fredrick's work as an educator first at the University of Michigan (1957-1960) and later at Wayne State University (1960-1976), and his work in the fields of Air Quality (1952-1958, 1966-1975), Industrial Toxicology (1932-1976), and Industrial Hygiene (1943-1976).

Important subjects covered in the collection are:

American Conference of Governmental Industrial Hygienists, 1943-1976
Conference on the Principles and Practice of Industrial Toxicology,
1969-1975
Detroit-Windsor air quality studies, 1952-1958
Industrial Hygiene and Industrial Toxicology studies, 1932-1976
International Union of Pure and Applied Chemistry
Intersociety Committee on Manual of Methods for Ambient Air Sampling and
Analysis, 1966-1970

Contents

13 Manuscript boxes
2 paige boxes
1 oversize box

Series I, University Papers, 1957-1976; Boxes 1-2

Course notes, lecture outlines, examinations, student reports, class
schedules, theses outlines, departmental policies, personal
correspondence and other miscellaneous items relating to Dr. Fredrick's
career as a professor first at the University of Michigan (1957-1960)
and later at Wayne State University (1970-1976).

Series II, Industrial Toxicology and Industrial Hygiene, 1932-1976; Boxes
3-5

Conference on the Principles and Practice of Industrial Toxicology
(1969-1975), personal correspondence as a member of the American
Industrial Hygiene Association (1957-1958) and as a member of the American
Conference of Governmental Industrial Hygienists - Threshold Limits
Committee (1942-1976), and other miscellaneous papers relating to Dr.
Fredrick's concerns for Industrial Toxicology and Industrial Hygiene.

Series III, Air Quality Studies, 1952-1958, 1966-1975; Boxes 6-8

Detroit-Windsor air pollution studies and surveys (1952-1958), and
minutes, correspondence and reports as a member of the Intersociety
Committee on the Manual of Methods for Ambient Air Sampling and Analysis
(1966-1970) and as a member of the International Union of Pure and
Applied Chemistry: Air Quality Section (1969-1975).

Series IV, Occupational Safety and Health, 1966-1976; Box 9 and Box 10,
(folders 1-19)

Notes, correspondence, minutes, reports and publications covering Dr.
Fredrick's involvement in local, state and federal Occupational
Safety and Health programs.

Series V, Reports, 1932-1975; Box 10, (folders 20-33) and Box 11,
(folders 1-6)

Reports authored and co-authored by Fredrick during his 44 year career
in the field of occupational and environmental health. Reports augment
materials found in the previous four series.

Series VI, State, Local and Federal Publications, 1939-1976
(Predominantly 1962-1976); Box 11, (folders 7-22) and Boxes 12-15

Series VI, continued:

Numerous state, local and federal publications covering all aspects of Fredrick's career in occupational and environmental health.

Non-manuscript material

Twenty-one positive and four negative portrait photographs of Dr. Fredrick have been placed in the Archives' Audio-Visual Collections.

Oversize material

One folder on the Permanent Commission and Industrial Association of Occupational Health (minutes, membership list and sub-committee list, September-November 1972), and two computer printouts: 1) Recommendations for a Zinc-Oxide Standard, and 2) Recommendations for an Isopropyl Alcohol Standard have been placed with the Archives' oversize material.

Series I

University Papers 1957-1976

Boxes 1-2

Course notes, lecture outlines, examinations, student reports, class Schedules, theses outlines, departmental policies, personal correspondence and other miscellaneous items relating to Dr. Fredrick's career as a university professor at the University of Michigan and Wayne State University. Except for two folders on U of M courses, all other university records relate to Fredrick's activities while at Wayne State (1960-1976). The files in these two boxes are divided into two sections: 1) classroom materials, and 2) all other university related records. The classroom materials are arranged by topic and then according to "-chronology. The same can be said for the other university related records except greater attention is paid to arrangement by topic rather than chronology.

Box 1

1. Dr. William G. Fredrick - Curriculum Vitae
2. Curriculum Vitaes - Perspective Adjunct and Full-time Professors - Wayne State University
3. Dr. William G. Fredrick - Merritorious Achievement Awards
4. University of Michigan School of Public Health - E.H. 256 Principles of Community Air Pollution - Course Outline 1957
5. University of Michigan - Air Pollution Course Notes - March-June 1960
6. Wayne State University Department of Industrial Medicine and Hygiene - I.H. 605 Atmospheric Pollution 1960, 1965
7. WSU Department of Occupational and Environmental Health - O.E.H. 0605 Atmospheric Pollution 1967, 1969, 1974, 1976
8. WSU -- O.E.H. 0720 Air Sampling and Analysis - Outline 1973
9. WSU - Miscellaneous Atmospheric Pollution Notes 1961
10. WSU - I.H. 760 Industrial Ventilation Notes 1960-1961
11. WSU - Principles and Practice of Industrial Toxicology - Lecture Outlines 1963, 1971
12. WSU - Principles and Practice of Industrial Toxicology 1975-1976
13. Industrial Toxicology - Legislation, Enforcement, Bibliography

14. Industrial Toxicology - Miscellaneous notes
15. WSU - I.H. 502 Principles of Industrial Hygiene - Outline and notes 1961
16. WSU - Department of Industrial Medicine and Hygiene - Studies 1962-1963
17. WSU - O.E.H. 0502 Principles of Industrial Hygiene - Outlines, Notes, Exams, 1968, 1971-1975
18. WSU - O.E.H. 0750 Industrial Hygiene Control Methods - Course Outline 1973, Exam 1976
19. Introduction to Industrial Hygiene October 22 - November 12, 1975 - Outline
20. WSU - O.E.H. 0750 Industrial Hygiene Control Methods-Notes
21. National Safety Council, Fundamentals of Industrial Hygiene
22. WSU - O.E.H. 0540 Lighting and Non-Ionizing Radiations - Student Reports 1971-1973
23. WSU - O.E.H. 0580 Principles of Industrial Noise Control - Student Reports 1972-1973
24. WSU - O.E.H. 0580 Principles of Industrial Noise Control - Outlines, Exams, and Notes 1960, 1973, 1975-1976
25. WSU - O.E.H. 0550 Environmental Health Planning Administration - Outline, Exams 1972-1973, 1975-1976
26. WSU - O.E.H. 0590 Consumer Health Protection - Course Outline, Exams 1971-1972
27. WSU - O.E.H. 0504 Principles of Urban Environmental Health - Outline 1972
28. WSU - O.E.H. 0745 Epidemiology Report 1972, Class Schedule 1976
29. Effects of Toxic Occupational and Environmental Inhalants
30. Syllabus on the Toxicology of Lead, Zinc, Cadmium, Chromium, Mercury and Cobalt - June 1976
31. Miscellaneous Lecture Notes

Box 2

1. Stephen J. Sebesta, Thesis Outline 1973 - "Environmental Significance of Hydrogen Sulfide Production in Wastewater"
2. Roger L. Wabeke, Thesis 1975 - "Industrial Hygiene Surveys of Three Plants Manufacturing Chlorine and Caustic Soda by the Diaphragm Cell Process"
3. WSU - Advance Planning Committee for University Clinics - Papers December 1970
4. WSU - Department of Occupational and Environmental Health - Graduate Admissions Qualifying Standards 1971-1976
5. WSU - Association of American University Professors - Correspondence 1971-1973
6. WSU - Department of Occupational and Environmental Health - Ad Hoc Committee 1974
7. WSU - School of Medicine - Project Director's Manual 1975 (Grant Committee 1974)
8. Experimental Asbestos Carcinogenesis - Grant Application and Reports
9. WSU - Grant Proposal Correspondence, 1975

10. WSU - Radiation Safety Program - Health Physics Manual
11. Application for Use of Any Source of Ionizing Radiation 1973
12. WSU - Division of Laboratory Animal Resources - Correspondence 1974
13. Faculty Activity Questionnaires - Winter Quarter 1975
- 14-17. Fredrick, WSU School of Medicine - General Correspondence 1970-1973, 1976
18. Miscellaneous University-related papers

Series II
Industrial Toxicology and Industrial Hygiene 1932-1976
Boxes 3-5

Conferences on the Principles and Practice of Industrial Toxicology (1969-1975), personal correspondence as a member of the American Industrial Hygiene Association (1957-1958), and as a member of the American Conference of Governmental Industrial Hygienists - Threshold Limits Committee (1942-1976), and other miscellaneous papers relating to Dr. Fredrick's concerns for Industrial Toxicology and Industrial Hygiene. Box 3 has no particular arrangement due to the miscellaneous nature of many of the files on industrial toxicology and industrial hygiene. Boxes 4 and 5 are arranged by topic and then according to chronology.

Box 3

- 1-6. Conference on Principles and Practice of Industrial Toxicology, October 27-31, 1969, 1970, 1972, 1974, 1975
7. Conference on Instrumentation for Safety Personnel, 1974
8. Instrumentation for Safety Personnel - Questionnaires
9. American Industrial Hygiene Association - Bylaws and Functions
10. American Industrial Hygiene Association - Correspondence June 1-October 10, 1957
11. American Industrial Hygiene Association - Correspondence October 10, 1957 - April 1958
12. American Industrial Hygiene Association - Bulletin 1968
13. Report of the Committee on Recruitment and Training, American Academy of Industrial Hygiene
14. Michigan Cancer Foundation Environmental Health Conference Planning Committee, November 1974
15. Naval Ship Systems Command - Industrial Hygiene Division - Report 1970
16. Lung Pathology in Tungsten Carbide Workers - Publications 1971, 1973
17. Cobalt Toxicity - Miscellaneous Notes
18. Toxicity - Miscellaneous Reports and Publications
19. Michigan Industrial Hygiene Society - Executive Committee 1971-1972
20. Industrial Hygiene - Miscellaneous papers

Box 4

1. American Conference of Governmental Industrial Hygienists - Bylaws and Articles of Incorporation
2. National Conference of Governmental Industrial Hygienists - 6th Annual Meeting - Transactions May 24, 1943
3. National Conference of Governmental Industrial Hygienists - 7th Annual Meeting - Transactions May 9, 1944
4. American Conference of Governmental Industrial Hygienists - 8th Annual Meeting - Proceedings April 7-13, 1946
5. American Conference of Governmental Industrial Hygienists - 9th Annual Meeting - Proceedings April 26-29, 1947
6. American Conference of Governmental Industrial Hygienists - 33rd Annual Meeting - Transactions May 24-28, 1971
7. American Industrial Hygiene Conference - May 24-28, 1971
8. Annual Report of Threshold Limits Committee - May 1972 - May 1973
- 9-20. American Conference of Governmental Industrial Hygienists - Threshold Limits Committee - Correspondence 1942-1967, 1970-1976

Box 5

- 1-8. American Conference of Governmental Industrial Hygienists - Threshold Limits Committee - Reports 1972-1975
- 9-10. Zinc-Silicate Studies
 11. Silicosis Study and Reprints
 12. Silicosis Reprints
 13. Methods Lecture Notes
 14. American Conference of Governmental Industrial Hygienists - Threshold Limits Committee - Miscellaneous papers

Series III

Air Quality Studies 1952-1958, 1966-1975

Detroit-Windsor air pollution studies and surveys (1953-1958), and minutes, correspondence and reports as a member of the Intersociety Committee on the Manual of Methods for Ambient Air Sampling and Analysis (1966-1970), and as a member of the International Union of Pure and Applied Chemistry: Air Quality Section (1969-1975). The files are arranged in the following order: 1) air pollution studies; 2) Intersociety Committee; and 3) International Union. All materials within these three topics are filed in chronological order. The International Union material is filed not only by chronology but also by form. For example, there is a 1969 file on minutes. The Intersociety Committee material is also filed in chronological order but not by form. For example, the 1969 file includes minutes, correspondence and reports. This material was not separated by form because correspondence often includes reference to material contained within minutes and reports.

Box 6

1. National Airborne Radioactivity Data, 1952-1954
2. Detroit-Windsor Air Pollution Health Study, 1952-1955
3. Detroit-Windsor Air Pollution Study, 1953-1955
4. Air Pollution Surveys - Windsor and Area, 1953-1956
5. Air Pollution Surveys - Detroit and Area, 1953-1958
6. Health Study Data - Canadian Summary Sheets 1955
7. Detroit-Windsor Air Pollution Studies 1956
8. Air Quality and Emission Data - Pollutant and Effects Network
9. Research Planning Seminar of the Air Pollution Medical Program, February 3-5, 1958
10. Air Quality Reports, 1971-1974
11. Air Pollution Control Division - Report 1972
12. Michigan Department of Public Health - Air Pollution Reports
13. Environmental Pollution and Control - Publications
14. Sources of Air Pollution - Notes
15. Atmospheric Pollution - Reports

Box 7

1. Heavy Metals Compounds - Bibliography
2. Ambient Air Quality Objectives - Classification System 1964
3. Intersociety Committee on Manual of Methods for Ambient Air Sampling and Analysis - Minutes and Progress Report 1966
4. Minutes and Correspondence, 1966
- 5-6. Minutes, correspondence and Reports, 1967, 1968
7. Reports, 1968-1969
8. Minutes, correspondence and Reports, 1969

Box 7 continued:

9. Intersociety Committee on Manual of Methods for Ambient Air Sampling and Analysis - General Correspondence 1970
10. Minutes and Correspondence 1970
- 11-12. Reports 1970

Box 8

- 1-3. Intersociety Committee on Manual of Methods for Ambient Air Sampling and Analysis - Reports 1970
4. Air Pollution Analysis and Control - Miscellaneous
5. International Union of Pure and Applied Chemistry: Air Quality Section - Report of the 25th Conference, June 30- July 7, 1969
6. Minutes and Publications, 1969-1975
- 7-10. Reports, July 23, July 30, August 7, 1973 and 1975
11. Toxicity of Beryllium

Series IV
Occupational Safety and Health 1966-1976
Box 9 and Box 10, (folders 1-19)

Notes, correspondence, minutes, reports and publications reflecting Dr. Fredrick's involvement in federal, state and local occupational safety and health programs. The files are arranged to topic only.

Box 9

1. Occupational Health Planning - Reports and Notes, 1966-1967
2. Occupational Health Administrators Conference - January 9-11, 1967
3. The Society for Occupational and Environmental Health - Membership List 1973
4. Federal Occupational Safety and Health Act of 1970 - Excerpts
5. National Institute for Occupational Safety and Health - Correspondence, 1972, 1975
6. National Institute for Occupational Safety and Health - Employee Health, 1972
7. National Institute for Occupational Safety and Health - Standards, 1976
8. International Association on Occupational Health - Correspondence, 1973
- 9-10. Occupational Health Standards Commission - Reports and Correspondence, 1975, 1976
11. Michigan Health Standards Commission - Minutes, October 25, 1975
12. National Institute of Health - Cancer Reports
13. Occupational Health Standards for Construction
14. Occupational Health Standards for Construction - Tunnel Atmosphere and Ventilation
15. Occupational Health Standards Commission - Tunnel Advisory Committee
16. Training Project in Occupational Health - Budget
17. American Chemical Society - Minutes 1974
18. National Institute for Occupational Safety and Health - Task Level Assignment Summary - Publication, 1976
19. Cobalt Analysis - Notes, report and publication, 1973
20. Occupational Health and Safety - Miscellaneous
21. Occupational Safety and Health Association - Miscellaneous

Box 10

- 1-2. Motor Vehicle Manufacturers Association: Occupational Safety and Health Committee - Correspondence and Reports, December 1974 -July, September and October 1975
3. National Sanitation Foundation Annual Report 1970
4. Michigan Public Health Association - Correspondence 1970
5. Osaka Public Health Institute - Literature
6. California Department of Public Health - Report on Formaldehyde Concentrations, 1954-1955, 1966, 1971-1972
7. American Public Health Association - Miscellaneous
8. United States Department of the Navy: Bureau of Medicine and Surgery -General Correspondence 1970-1971
9. Bureau of Explosives - Hazardous Materials Regulations 1973
10. "Program for Control of Lead Hazards Among Children", December 1969
11. Poisoning in Children - Correspondence 1970, 1972, 1976
12. State of Michigan - Workman's Compensation Appeal Board, November 1970
13. Michigan Bureau of Workman's Compensation - Notice of Taking Deposition 1973
14. Vision - Notes and Publications
15. Noise Pollution - Reports and Publications
16. Environmental Noise
17. Herbicide and Pesticide Publication 1970
18. Environmental Mutagen Society Council - Budgets 1971-1972
19. Environmental Analysis Laboratories - Correspondence 1976

Series V

Reports 1932-1975

Box 10 (folders 20-33) Box 11 (Folders 1-6)

Mainly unpublished reports authored or co-authored by Dr. Fredrick during his 44 year career in the field of occupational and environmental health. These reports augment materials found in the previous four series. Some of these reports are authored by scientists other than Dr. Fredrick but they do relate to Fredrick's studies. Organization is according to chronology.

Box 10

20. Fredrick, Meloche, "A Lubricant Insoluble in Organic Solvents", August 1932
21. Wm. G. Fredrick, "Industrial Gases and Vapors", 1937
22. Fredrick, Kasper, McCord, "The Toxicity of Organic Silicon Compounds", October 1937
23. William R. Bradley - Curriculum Vitae
24. Fredrick, W.R. Bradley, "The Action of Sodium Hypochlorite Solutions upon Tissue of Laboratory Animals", 1939
25. Fredrick, Bradley, "The Toxicity of Antimony", June 1940
26. Fredrick, "Estimation of Small Amounts of Antimony with Rhodamine B", 1941
27. Fredrick, "The Analysis and Identification of Solvent Vapors", 1942
28. Fredrick, "Toxicity of Some Materials used in the Manufacture of Cemented Tungsten Carbide Tools", April 1946
29. Fredrick, "Twenty years of Coping with Ionizing Radiation at the Local Health Department Level", July 1959
30. Association of Analytical Chemists, Conference Paper on CO₂ Exposure", 1969

Box 10 continued:

31. Fredrick, Strauther, "Expired Air as an Index of Carbon Monoxide Exposure", 1969
32. Report on Radiation Exposure, 1970
33. Health , Education and Welfare, Carbon Monoxide Study 1970

Box 11

1. National Environmental Research Centre, "Perspectives on Airborne Lead", October 1971
2. Fredrick, Bradley, "The. Effect on Rats of Cobalt, Tungsten, Titanium, Tantalum and Nickel Material used in Cemented Tungsten Carbide or Hard Metal Manufacture", 1972
3. E.J. Kerfoot, "Chronic Animal Inhalation Toxicity to Cobalt", 1973
4. Domier, Fredrick, Kerfoot, "Cobalt Metal Inhalation Studies on Miniature Swine", January 1975
5. Arthur Ash, "An Investigation of Methods for the Rapid Study of Ternary Systems"
6. "Tentative Method of Analysis for Cadium Content of the Atmosphere"

Series VI
State, Local and Federal Publications, 1939-1976
(Predominantly 1962-1976)
Box 11 (folders 7-22) Boxes 12-15

Numerous State, Local and Federal publications which serve as reference material and cover all aspects of occupational and environmental health. These publications are divided into two sections:1) State and Local, and 2) Federal. They are grouped according to office of publication. Since some folders may contain more than 1 publication, the abbreviated folder title along with a list of the publications within the folder will follow below.

Box 11

7. Pennsylvania Department of Health - Short Term Limits for Exposure to Airborne Contaminants: A Documentation
8. Pennsylvania Department of Health - Supplement #1 to Short Term Limits for Exposure to Airborne Contaminants: A Documentation, 1967-1969
9. California Department of Public Health - Occupational Disease in California Attributes-to Pesticides and other Agricultural Chemicals, 1968
10. California Department of Public Health - Occupational Health Aspects of Cadium Inhalation Poisoning with Special Reference to Welding and Silver Brazing, 1971
11. Michigan Department of Public Health - Act 250 of 1965, as amended; Act 348 of 1965, as amended and Administrative Rules for Air Pollution Control, 1967
12. Michigan Department of Public Health - Solid Vfaste Disposal: Act 87 of the Public Acts of 1965 and Regulations, 1966
13. Michigan Department of Public Health - Ionizing Radiation Rules Governing Radioactive Material and Electronics Product Radiation, 1975

Box 11 continued:

14. Wayne County Department of Health - Air Pollution Control Progress Report, 1969
15. American Public Health Association - Local Health Official's Guide to Occupational Health, 1968
16. Arizona Highway Department - Kinematic Sound Screen Research Project, 1972
17. Institut National De Recherche et de Securite - La Recherche en Hygiene et Securite du Travail, April 1971
18. Society of Automotive Engineers - Visual Considerations of Man, the Vehicle, and the Highway, March 1973
19. Illuminating Engineering Society - American National Standard Practice for Industrial Lighting RP-7, July 1973
20. The Chlorine Institute - Chlorine Manual, 1959
21. Manufacturing Chemists Association - Guide to Precautionary Labeling of Hazardous Chemicals - Manual L-1, 1970
22. G. Fredrick Smith Chemical Company - The Iron Reagents; Bath - ophenanthroline, Bathophenanthroline-Disulfonic Acid 2, 4, 6-Tri-pyridyl-S-Triazine Phenly-2-Pyridyl Ketoxime, 1965

Box 12

1. G. Fredrick Smith Chemical Company - Cerate Oxidimetry Further Applications in the Use of Cerium in Volumetric Analysis, 1942
2. G. Fredrick Smith Chemical Company - Cerate Oxidimetry; Twenty year Developments, Improvements in Techniques, and Precision Innovations, 1964
3. Journal of Acoustical Society of America - Overstimulation, Fatigue , and Onset of Overload in the Normal Human Ear, 1957
4. Sound and Vibration, 1970
5. Acoustical Materials Association - A Picture Story of Architectural Acoustics and Acoustical Materials
6. Water Pollution Control Federation - Accumulation of Mercury and its Compounds: 1970 Literature Review, June 1970
7. Amercian Meteorological Society - The Relationship Between Peak and Mean SO₂ Concentrations in the Vicinity of the Tennessee Valley Authority Paradise Power Plant, April 1971
8. Chemical Specialities Manufacturers Association - 2 Price Lists Testing Materials and Publications Price List, November 1971 Division of Medical Communication - Price List, July 1973
9. American Industrial Hygiene Association - 3 Miscellaneous Reprints The Place of Ergonomics in Science and Industry, September - October 1970
An Improved Aerosol Generator, January 1975
Noise Control and Hearing Conservation in Large Steam-Electric Generating Stations (TVA Program)
10. Dupont: Laboratory Handbook/Audio Dosimeter
11. Toxicology and Applied Pharmacology - Animal Inhalation Studies on Amonia, Ethylene, Glycol, Formaldehyde, Dimethylamine and Ethanol, 1970
12. Pharmacology and Experimental Therapeutics - Retention of Inhaled Acetaldehyde in Man, march 1970
13. Radiation Health

Box 12 continued:

14. Society of Plastics Engineer - Plastics with Selective Wavelength Absorption for Safety and Comfort, October 1970
15. Energetics Science, Incorporation - Ecolyzer Instruction Manual, November 1972
16. Occupational Health and Medicine - 2 Miscellaneous Reprints
Hard Metal Disease and Tool Room Grinding, 1974
The Respiratory Effects of Chloromethyl Methyl Ether, December 1975
17. 8 Miscellaneous Reprints
Archives of Environmental Health - Environment and the Kidney, November 1965
American Medical Association Archives of Dermatology - The Irritation and Sensitizing Capacity of Epoxy Resins, September 1958
American Laboratory - Controlled-potential Electrochemical Analysis of Carbon Monoxide, July 1974
Licensing of Source Material
Trichloroethylene
Ethyl Butyl Ketone
Bucks County Community Shelter Plan, 1970
Hazardous Materials Advisory Committee

Federal Publications

18. Department of the Interior - Limits of Inflammability of Gases and Vapors, Bulletin 279, 1939
19. Department of the Interior - Limits "of Flammability of Gases and Vapors, Bulletin 503, 1952
20. Air Pollution Research Advisory Committee of the Coordinating Research Council - CRC APRAC Status Report January 1974
21. NASA/USAF - Toxic Hazards Research Unit Annual Report: 1972, August 1972
22. Atomic Energy Commission - Handbook on Aerosols, 1963
23. Newsletter of the Environmental Mutagen Society, October 1970
24. National Institute of Occupational Safety and Health - The Occupational Safety and Health Effects Associated with Reduced Levels of Illumination: Proceedings of Symposium July 11-12, 1974
25. 18th International Congress on Occupational Health: Program September 14-19, 1975

Box 13

The following are Health, Education and Welfare - Food and Drug Administration publications.

1. Cancer of the Cervix: Conference Proceedings, May 30 - June 1, 1973
2. Application of Automatic Data Processing Techniques to Selected Diagnostic Radiology Operations, June 1973
3. Automation of Scheduling and File Room Functions of a Diagnostic Radiology Department: Volume 1, February 1975
4. Medical X-Ray Photo-Optical Systems Evaluation: Proceedings of a Symposium, October 21-23, 1974
5. Applications of Iodine-123 in Nuclear Medicine: Conference Proceedings, May 19-20, 1975
6. Design and Evaluation of an Electronic Radiography System, October 1971
7. Gonad Doses and Genetically Significant Dose from Diagnostic

Box 13 continued:

7. (continued) - Radiology, 1964 and 1970, April 1976
8. Scientific Seminars of Nuclear Medicine Laboratory Dedication, November 1973.
9. Nuclear Medical Technology Training, June 1971
10. National Conference on College Affiliated Educational Programs in Radiological Technology, June 1971
11. A System for Estimation of Mean Active Bone Marrow Dose, September 1975
12. Physics of Diagnostic Radiology: Summer School Proceedings, July 12-17, 1971
13. Status and Future Manpower Needs of Physicists in the United States, November 1973
14. Population. Exposure to X-Rays, 1970, November 1973
15. Radiation Safety in X-Ray Diffraction and Spectroscopy , September 1971
16. Radiofrequency and Microwave Radiation Levels Resulting from Man-made Sources in the Washington, D.C. Area, November 1971
17. Survey of Use and Performance of Ultrasonic Therapy Equipment in Pinellas County, Florida, May 1973
18. Results of the 1970 Microwave Oven Survey, August 1971
19. Evaluation of the S.S. White Panorex X-Ray Machine, December 1971
20. 3 Reports of State and Local Radiological Health Programs - Fiscal Years 1970, 1972, 1974
21. Federal/State Radiation Control Legislation - 1971, 1972, 1973
22. Radiological Health Training Resources - **1973, 1975**
23. Low and Very Low Dose Influences of Ionizing Radiations on Cells and Organisms, Including Man: A Bibliography, February 1972
24. CUS-PHS Collaborative Radiological Health Laboratory Annual Report 1971, January 1972
25. CUS-PHS Annual Report 1972 , January 1973
26. CUS-PHS Annual Report 1973, January 1974
27. CUS-PHS Annual Report 1974, July 1975
28. 2 Publications on the Training of Radiological Administrators
Training Needs for Teachers of Dental Radiology in Auxiliary Training Schools: Conference October 26-27, 1971
The Training of Radiologic Administrators: Symposium Proceedings May 22, 1970
29. 2 Publications relating to Laser Characteristics
A Limited Survey of Health-related Laser Characteristics for Selected Applications in the United States, January 1974
Preliminary Evaluation of Commercially Available Laser Protective Eye-Wear, March 1975
30. Public Health Services - Biological Effects and Health Implications of Microwave Radiation: Symposium Proceedings, September 17-19, 1969
31. Reduction of Radiation Dose in Diagnostic X-Ray Procedures: Symposium Proceedings, July 8, 1971 (HEW:FDA)

The following are Health, Education and Welfare - Food and Drug Administration publications

Box 14

1. 4th Annual National Conference on Radiation Control: Save a Rad, April 30, May 4, 1972
2. 5th Annual National Conference on Radiation Control: Planning for Protection, May 6-10, 1973
3. 7th Annual National Conference on Radiation Control: Assuring

Box 14 continued:

3. (continued) - Radiation Protection, April 27 - May 2, 1975
4. 3 Publications relating to Microwave Equipment
 - Precise Microwave Power Density Calibration Method Using the Power Equation Techniques, March 1975
 - Construction and Evaluation of the Kit-Form Microwave Oven, May 1971
 - Results of Clinical Surveys for Microwave Ocular Effects, February 1973
5. 2 Publications Evaluating Capacitor Discharge Mobile X-Ray Machines
 - Evaluation of the Westinghouse Capacitor Discharge Mobile X-Ray Machine, May 1971
 - Evaluation of the Toshiba Capacitor Discharge Mobile X-Ray Machine, August 1971
6. The Origin and Findings of the Atomic Bomb Commission, February 1973
7. Determination of Patient Exposure to Radiation from X-Ray Machines (2)
 - A Standard Technique for Estimating Patient Exposure from Photo-fluorographic X-Ray Machines, April 1975
 - A Review of Determinations of Radiation Dose to Active Bone Marrow from Diagnostic X-Ray Examinations, October 1973
8. Radiation Protection (4)
 - Progress in Radiation Protection, 1972
 - A Review of Biological Effects and Potential Risks Associated with Ultraviolet Radiation as used in Dentistry, October 1975
 - Public Health Implications of Radioluminous Materials, July 1975
 - Radiological Health Protection
9. 4 Miscellaneous Publications
 - A Study of Retakes in Radiology Departments of Two Large Hospitals, July 1975
 - The Chest X-Ray as a Screening Procedure for Cardiopulmonary Disease - A Policy Statement, April 1973
 - A Line Voltage Monitor for Determining AC Supply Regulation to a Diagnostic X-Ray Source, June 1974
 - Directory of Personnel Responsible for Radiological Health Programs, January 1972
10. 4 Miscellaneous Publications
 - Monitoring Ecological Conditions Associated with Wide-Scale Applications of DMA, 2,4-D to aquatic Environments, March 1971
 - Measurement of Power Density from Marine Radar, November 1975
 - The Survey of Medical Radium Installations in Wisconsin, May 1975
 - The Use of Iodine-125 for Interstitial Implants, November 1975
11. Hew: Office of Education - Second Annual Report of the Advisory Council on Environmental Education, March 1973

The following are Health, Education and Welfare - Public Health Service publications

12. Bibliography of Occupational Health 1900-1953, 1954
13. Environmental Health Planning Guide
14. Environmental Health Planning, 1971
15. Air Pollution Measurements of the National Air Sampling Network: Analysis of Suspended Particulates 1957-1961, December 1962
16. Recognition of Occupational Health Hazards: Appendices F-L, December 1974
17. Issue Study on Occupational Health, August 1969

Box 14 continued:

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