**Archives & Special Collections, Columbia University Health Sciences Library**

**Joe D. Wray Papers**

**WRAY, JOE D., 1926-2006.**


10.33 cubic feet (30 boxes and 1 carton)

**Biographical Note:** Joe D. Wray was a significant figure in 20th century public health in the developing world. During his career he created community health training programs for medical students; explored and documented the connections between malnutrition, infectious disease and childhood mortality; invented a simple graphic method for diagnosing and measuring malnutrition in children; documented the relationship between family size and maternal and child health; promoted the affordability of nutrition interventions in the context of primary health care; and contributed to a UNICEF/WHO conference on infant feeding that helped promote breastfeeding as a means of preventing childhood mortality in developing nations.

Wray was born in Conway, Arkansas on September 30, 1926, though he moved with his family to San Louis Obispo, California, in 1936. He attended Stanford University for both his undergraduate and medical education, receiving his BA in 1947 and his MD in 1952. After early work at the Charity Hospital in New Orleans, the United States Air Force, and the Yale University Department of Pediatrics, Wray joined the field staff of the Rockefeller Foundation in 1956. His served as Chief Resident at Hacettepe Hospital, in Ankara, Turkey, from 1956-58 and then Associate Pediatrician from 1959-61. In 1961 Wray left Turkey and became a Visiting Professor of Pediatrics and Attending Physician at the Hospital Universitario and the Pilot Rural Health Center of the Facultad de Medicina, Universidad del Valle in Cali, Colombia.

After five years in Colombia, Wray took a one year sabbatical in 1966-67 and earned a Masters in Public Health from the University of North Carolina at Chapel Hill. In 1967 he returned to the field to teach pediatrics and community medicine as a Visiting Professor of Pediatrics at Ramathibodi Hospital Medical School of Mahidol University in Bangkok, Thailand. Wray remained in Thailand until 1974, when he left to be a Fellow at the Center for Advanced Study in the Behavioral Sciences at Stanford University. In 1975 Wray went to Harvard University, where he served as Head of the Department of Population Science and Director of the Office of International Health and taught international and maternal and child health.

In 1981 Wray joined his long-time friend and colleague Allan Rosenfield at the Columbia University School of Public Health, serving as the Deputy Director of the Center for Population and Family Health, and as a Professor of Clinical Public Health. He was also briefly associated with the College of Physicians and Surgeons Department of Pediatrics. In 1983 Wray was awarded a Dr. Med. (*honoris causa*) from Hacettepe University in Ankara, Turkey. He retired in 1991.
In addition to his academic work, Wray acted as a consultant to numerous U.S. government agencies, international organizations, foundations and private voluntary organizations. He traveled extensively, visiting Brazil, Guatemala, Nigeria, Zaire, Haiti, Nigeria, Mexico, the Sudan, West Africa, Romania, Egypt, Iraq, Ethiopia, Turkmenistan, Uzbekistan, Kyrgyzstan, Kazakhstan, Pakistan, India, Tibet, Bangladesh, Burma, Cambodia, Indonesia (Kalimantan and Java), Papua New Guinea, and Vietnam. Notably, he was the sole physician invited by the National Research Council’s Committee on Scholarly Exchange with the People’s Republic of China (PRC) to be part of an early childhood development delegation to the PRC in 1973.

Wray died on March 9, 2006, in Medford, New Jersey, and was survived by his wife, Beth, their five children, and eight grand-children.

ARRANGEMENT/ORGANIZATION: The papers are organized into nine series, as follows: I. Biographical information; II. Rockefeller reports and diaries; III. Correspondence, Alphabetical; IV. Correspondence, Chronological - 1; V. Correspondence, Chronological - 2; VI. Research materials; VII. Nestlé boycott and breastfeeding controversy; VIII. Other Special projects; IX. Publications.

SCOPE & CONTENT: The papers document Wray’s professional life with the Rockefeller Foundation in Turkey, Colombia and Thailand; his later academic work at Harvard and Columbia; and consulting work done for organizations such as Save the Children and UNICEF/WHO. The primary focus of the materials is pediatric nutrition and related public health concerns in developing nations; other notable topics include porphyria turcica, a chemically-induced skin disease Wray encountered and studied during his time in Turkey; the boycott of Nestlé and other manufacturers of infant formula in the 1970s led by a variety of church groups, including the Southern California Interfaith Hunger Coalition, the Interfaith Center on Corporate Responsibility, the National Council of Churches, and the Infant Formula Action Coalition (INFACT) and related breastfeeding controversy; and Wray’s trips to China and Tibet between 1973 and 1993.

The bulk of the collection is comprised of three sets of overlapping correspondence. These were arranged as closely as possible to the order in which they were found, resulting in one set arranged chronologically and then alphabetically, and two sets arranged chronologically. The first set of chronologically-arranged correspondence is composed of carbon copies of Wray’s outgoing correspondence from his years with the Rockefeller Foundation as well as his time at Columbia and Harvard. The Rockefeller Foundation correspondence is additionally separated into the categories of “internal” (correspondents within the Foundation) and “external” (correspondents at other institutions). The alphabetical correspondence and the second set of chronological correspondence contain both incoming and outgoing correspondence.

Other types of materials in the papers include reports; copies of works to which Wray submitted chapters or articles; reprints of works by Wray and other authors; manuscript notes on a variety of topics; extensive research materials, most notably from a preschool
nutrition survey in Colombia; Rockefeller Foundation field diaries from Colombia and Thailand; and some photographs taken in Thailand.

**SERIES I: BIOGRAPHICAL INFORMATION.**

**Box 1**
Curricula vitae and other autobiographical information prepared by Wray for purposes of introductions at speaking events; his 1971 medical license; both Stanford diplomas and certificate of professorship emeritus from Columbia University; and other mixed records, arranged chronologically.

**SERIES II: ROCKEFELLER FOUNDATION REPORTS AND DIARIES.**

**Box 1-2**
Rockefeller Foundation time and expense reports and bound typescripts of diaries from Colombia and Thailand. The Rockefeller Foundation required field officers to prepare and submit regular “diaries” about their activities and experiences in the field, which were then reviewed and discussed at the home office in New York; arranged chronologically.

**SERIES III: CORRESPONDENCE, ALPHABETICAL.**

**Boxes 3-9**
Incoming and outgoing correspondence with supervisors, co-workers, professional colleagues, students and family members; arranged chronologically and then alphabetically within sub-series. Other Rockefeller Foundation correspondence can be found in Series IV and V (Chronological correspondence – 1 and 2). This series is divided into the following sub-series:

**Sub-series 3.1: Colombia, 1961-1966 (1.25 boxes, .33 cu feet)**
Topics vary, but include matters relating to placement of graduate students, ongoing research, world events, personal matters, and internal Rockefeller Foundation business.

**Sub-series 3.2: Thailand, 1967-74 (3.5 boxes, 1.25 cu. Feet)**
Topics vary, but include matters relating to placement of graduate students, ongoing research, conferences, world events, and internal Rockefeller Foundation business.

**Sub-series 3.3: Harvard School of Public Health, 1975-76 (.25 boxes, 5 folders)**
Topics vary, but include matters relating to placement of graduate students, ongoing research, publications, conferences, world events, and internal departmental business.

**Sub-series 3.4: Columbia University, 1980-92 (1.25 boxes, .33 cu. Feet)**
Topics vary, but include matters relating to placement of graduate students, ongoing research, publications, conferences, world events, and the internal operations of the Center for Population and Family Health.
SERIES IV: CORRESPONDENCE, CHRONOLOGICAL FILES - 1.
Boxes 10-11
Carbon copies of letters sent from Wray to supervisors and co-workers at the Rockefeller Foundation in New York City, as well as copies of official correspondence from Way’s time at Harvard and Columbia; arranged chronologically. Other Rockefeller Foundation correspondence can be found in Series III and V (Correspondence, Alphabetical and Correspondence, Chronological -2). This series is divided into the following sub-series:

**Sub-series 4.1: Rockefeller Foundation, 1961-1974** (2 boxes, .66 cu. feet)
Copies of letters sent to individuals within the Foundation (“internal”), most often in New York City, and also to individuals outside the Foundation (“external”), topics vary, arranged chronologically.

**Sub-series 4.2: Harvard School of Public Health, 1975-1985** (.25 boxes, 2 folders) Topics vary, but include matters relating to graduate students, conferences, and other academic issues.

**Sub-series 4.3: Columbia University School of Public Health, 1982-1985** (.25, 2 folders) Topics vary, but document graduate student placement and recommendations, conferences and other academic issues.

SERIES V: CORRESPONDENCE, CHRONOLOGICAL - 2.
Boxes 12-15
Incoming and outgoing correspondence with supervisors, co-workers, professional colleagues, students and family members, arranged chronologically. Other Rockefeller Foundation correspondence can be found Series III and IV (Correspondence, Alphabetical and Correspondence, Chronological -1). This series is divided into the following sub-series:

**Sub-series 5.1: Turkey and Colombia, 1957-1964** (3 boxes, 1 cu. foot)
Topics vary, but include matters relating to placement of graduate students, ongoing research, publications, conferences, local and world events, and internal Rockefeller Foundation business.

**Sub-series 5.2: Thailand, 1974-76** (1 box, .33 cu. Feet)
Topics vary, but include matters relating to placement of graduate students, ongoing research, publications, conferences, local and world events, and internal Rockefeller Foundation business.

**Sub-series 5.3: Harvard, Columbia and retirement, 1977-2001** (1 box and two folders, .33 cu. feet) Topics vary, but include matters relating to placement of graduate students, ongoing research, publications, conferences, local and world events, and departmental business, and some personal matters.
SERIES VI: RESEARCH MATERIALS.
Boxes 16-19
The raw materials of the research that occupied Wray’s entire career, including notes, graphs and raw data from a nutrition study in Candelaria, Colombia; demographic surveys in Thailand; manuscript notes on a variety of topics; and graphs and charts covering multiple areas of nutrition and pediatric interest. This series is divided into the following sub-series:

Sub-series 6.1: Sample nutrition record forms, 1950s-90s (.25 box, 4 folders)
Blank health registers and nutrition charts, cards and booklets from around the world, dating from the 1950s through the 1990s.

Sub-series 6.2: Nutrition study in Candelaria, 1962-67 (1.75 boxes, .5 cu. feet)
Graphs, notes, reports, instructions and raw data from a study of malnutrition in pre-school children in Candelaria, Colombia.

Sub-series 6.3: Thai health and demographic surveys, 1969-1972 (1 box, .33 cu. feet) Graphs and tables from demographic surveys performed in Bang-Pa-In, Tambon Ben Wah and Amphur Beng Pa-In, Thailand.

Sub-series 6.4: Rockefeller Foundation analyses, 1970-74 (.66 box, 4 folders) Reports and analyses of Rockefeller Foundation programs in Colombia and Thailand.

Sub-series 6.5: Manuscript notes, 1965-1977 (.5 box, 7 folders) Handwritten notes and some charts, topics vary, but focus on pediatrics and childhood malnutrition.

Sub-series 6.6: Graphs and charts, 1970s-1985 (1 box, .33 cu ft.)
Graphs and charts used in articles and presentations, topics include maternal nutrition and breast feeding, primary health care, and general malnutrition topics, featuring data from 1820-1985.

SERIES VII: BREASTFEEDING CONTROVERSY/NESTLÉ BOYCOTT.
Boxes 20-21
Correspondence, reports, news articles, conference talks and other publications on the subjects of “bottle baby syndrome;” the boycott of Nestlé and other manufacturers of infant formula in the 1970s led by a variety of church groups, including the Southern California Interfaith Hunger Coalition, the Interfaith Center on Corporate Responsibility, the National Council of Churches; and the nutritional implications of widespread use of skim milk and baby formula produced and sold by multi-national corporations to mothers in developing nations.
SERIES VIII: OTHER SPECIAL PROJECTS.
Box 22

Sub-series 8.1: China and Tibet, 1973-83 (.25 box, 4 folders)
Notes and diaries from the Wrays’ personal and professional trips to China and Tibet over a period of two decades. Includes Wray’s notebooks recording his observations of children, childhood, maternity and maternal and child health in China in the early 1970s.

Sub-series 8.2: Primary health care and consulting (.75 box, 8 folders)
Reports and proposals for primary health care and consulting projects conducted for a variety of organizations, including Save the Children.

SERIES IX: PUBLICATIONS.
Boxes 23-30
Bound and loose copies of reports and reprints authored by Wray; books, magazines and conference proceedings to which Wray contributed materials; and articles on numerous nutrition and pediatric topics by a variety of authors.

Sub-series 9.1: Publications - Wray - loose (5 boxes, 1.66 cu. feet)
Reprints and copies of articles and book chapters on a variety of topics, authored by Wray; arranged chronologically.

Sub-series 9.2: Publications - Wray - bound volumes (1 carton and 2 boxes, 1.66 cu. feet) Scrapbooks of reprints created by Wray, also bound copies of books, magazines and conference proceedings to which Wray contributed work.

Sub-series 9.3: Other authors (2 boxes, .66 cu feet)
Reprints and copies of articles written by people other than Wray; also on a variety of topics, may have been consulted as part of his research; arranged chronologically.

LANGUAGE: English, Spanish, French, Russian, Thai, Arabic, Japanese.

ACCESS: Because the records include Protected Health Information (PHI) as defined by the US Health Insurance Portability and Accountability Act (HIPAA), access is allowed only under the terms of Archives and Special Collections’ Access Policy to Records Containing Protected Health Information.

PROVENANCE: Donated by the Wray family, 2007 (acc. # 2007.03.13).

SUBJECTS - LC
Wray, Joe D.
Breastfeeding--Developing countries.
Breastfeeding--Research.
Breastfeeding promotion.
Children--Health and hygiene.
China--Description and travel -- 20th century.
Colombia--Social conditions--20th century.
Hacettepe Universitesi.
Interfaith Center on Corporate Responsibility.
Malnutrition.
Malnutrition--Developing countries.
Malnutrition--Diagnosis.
Malnutrition in children--Developing countries.
Maternal and infant welfare--Developing countries.
Nestlé Company.
Public health--Colombia.
Public health--Thailand.
Public health--Turkey.
Rockefeller Foundation.
Rockefeller Foundation. Division of Medicine and Public Health.
Harvard School of Public Health. Dept. of Population and International Health.
Columbia University. School of Public Health.
Columbia University. Center for Population and Family Health.
University del Valle.
Ramathibodi Hospital.
Pediatrics--Developing countries.
Porphyria--Etiology.
Thailand--Social conditions--20th century.
Turkey--Social conditions--20th century.
UNICEF.
World Health Organization.

SUBJECTS – MESH
Breast Feeding.
Child Nutrition Disorders.
Community Medicine--education.
Malnutrition--diagnosis.
Pediatrics.
Porphyria--Chemically induced.
Public Health.
World Health Organization.

PROCESSING NOTES
Jennifer McGillan, December 2009-April 2010. Some duplicates were removed.
Joe D. Wray, 1926-2006.

Box  Folder

SERIES I: BIOGRAPHICAL INFORMATION AND OTHER MIXED RECORDS

1  1  Stanford diplomas, BA and MD, 1947 and 1952
2  Recommendation letter, 1951
3  Transcript, Stanford University School of Medicine, n.d., c. 1952
4  Grant application, Toxic cutaneous porphyria in Turkey, 1961
5  Curriculum vitae, 1966-1996
6  Family letters, 1968
7  California medical license, 1971
8  Biographical sketches, 1973-1980
9  Center for Advanced Study, Fellows, 1974-75
10 University appointments, 1975-1995
11 Mixed records: poems, correspondence, maternal advice (in Russian),
   1981-91
12 Photographs, Center for Population and Family Health, 1982-83
13 Columbia Professor Emeritus of Clinical Public Health certificate, 1992
14 Typed discussion issues, including “death transition v. health transition”,
   no author, n.d.
15 Notable quotes and postcards, n.d.

SERIES II: ROCKEFELLER FOUNDATION REPORTS AND DIARIES

16  Rockefeller Foundation, Travel expenses summaries, 1961-75
17  Rockefeller Foundation, travel expenses, Feb. 1974-June 1976
18  Rockefeller Foundation, Activities reports, 1963-73
19  Rockefeller Foundation, Activities reports, 1974-75

2  Bound volumes
   Notes on Colombia, 1961-63
   Notes on Colombia, 1964-65
   Notes on Colombia and Thailand, 1966-73
1  Miscellaneous notebooks, 1979, 1987, 1990

SERIES III: CORRESPONDENCE, ALPHABETICAL

Sub-series 3.1: Colombia, 1961-1966

3  1  A, 1962-66
2  B, 1963-66
3  C, 1961-66
4  D, 1962-66
5  E, 1962-66
6  F, 1962-66
7  G, 1961-66
8  H-J, 1963-66
9  K, 1962-65
10 L, 1961-66
11 M, 1962-66
12 N, 1962-65
13 O, 1963-65
14 P-Q, 1961-66
15 R, 1962-66

4  1  S, 1961-66
   2  T, 1962-66
   3  U-V, 1962-65
   4  XYZ, 1962-66

Subseries 3.2: Thailand, 1967-74

5  1  A, 1967-74
   6-7  B, 1967-72
   8-9  B, 1967-74

5  1  C, 1967-74
   2  D, 1967-74
   3  E, 1967-74
   4-5  F, 1967-74
   6  G, 1967-74
   7  H, 1967-74
   8  I-J, 1967-74
   9  K, 1967-74

6  1  L, 1967-74
   2-3  M, 1967-74
   4  N-O, 1967-74
   5  P, 1967-74
   6  Q-R, 1967-74
   7-8  S, 1967-74

7  1-2  S, 1967-74
   3  T, 1967-74
   4  U-Z, 1967-74

Subseries 3.3: Harvard University School of Public Health, 1975-76

5  A-C, 1975-76
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**Subseries 3.4: Columbia University School of Public Health, 1978-1992**

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**SERIES IV: CORRESPONDENCE, CHRONOLOGICAL FILES -- 1**

**Sub-series 4.1: Rockefeller Foundation, 1961-1974**

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<td>August-Dec. 1961, External</td>
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3  1971
4  1/5/1972-5/31/1972
5  6/14/1972-12/22/1972
6  1973
7  January – June 1974
8  July 1974

Sub-series 4.2: Harvard School of Public Health, 1975-85

12  1-2  1975-1985
     3    Sept. 1977-May 1978

Sub-series 4.3: Columbia University School of Public Health, 1982-85

4-5  1982-83
6    1982-83 (2)
7    Correspondence, 1983-85

Series V: Correspondence, Chronological – 2.

Sub-series 5.1: Turkey and Colombia, 1957-64

8    Correspondence, 1957-59
9    Correspondence, 1960

13  1    Correspondence, 1961
    2    Correspondence, 1962
    3    Correspondence, 1963
    4    Correspondence, 1964
    5    Correspondence, 1965
    6    Correspondence, 1966

14  1    Correspondence, 1967
    2    Correspondence, 1968
    3    Correspondence, 1969
    4    Correspondence, 1969-71
    5    Correspondence, 1970
    6    Correspondence, January-June, 1971
    7    Correspondence, July-Dec. 1971
    8    Correspondence, 1972

15  1    Correspondence, 1972 (2)
    2    Correspondence, 1973
    3    Correspondence, 1973 (2)
Sub-series 5.2: Thailand, 1974-76

4 Correspondence, March-December, 1974
5 Correspondence, 1974
6 Correspondence, Jan-March 1975
7 Correspondence, April-June 1975
8 Correspondence, July-December, 1975
9 Correspondence, 1976
10 Retirement from Rockefeller Foundation, 1976


11 Correspondence, Jan-Nov. 1977
12 L. Gordon, C.V. and correspondence, 1977

16 1 Correspondence, Jan-June 1978
    2 Correspondence, July-Dec., 1978
    3 Correspondence, January-Dec., 1979
    4 Correspondence, 1980
    5 Rockefeller Foundation Grant for Community Health in Medical Schools, 1980-1990
    6 Correspondence, 1981
    7 Correspondence, 1985-87
    8 Correspondence, 1988-2001 [1990-1995]
    9 Correspondence, undated fragments, n.d.

SERIES VI: RESEARCH MATERIALS

Sub-series 6.1: Sample nutrition record forms

10 Individual Health Record book, complete, female, c. 1957
11-12 Sample child health record books and cards, multi-national, 1970s-1990s

Sub-series 6.2: Nutrition Study in Candelaria

13 PCM [Protein-calorie malnutrition] in Candelaria, c. 1960s
14 Sample health charts and height/weight graphs, 1960s-70s
15 Caiden and Wildavsky, mss. notes, c. 1960

17 1 Malnutrition graphs and notes, 1962-65
    2 Nutrition program reports and instructions, in Spanish, c. 1960s
    3 Nutrition project, six months follow up, total populations, in Spanish, n.d.
       c. 1960s
    4-5 Nutrition program, one year results, 1964
    6 Instructions and forms, pre-school nutrition program, in Spanish, n.d., c.
       1960s
7-9 Pre-school nutrition study, raw data, 1960s
10 Malnutrition study, original graphs and data, 1967
11 Pre-school malnutrition study, Candelaria, English and Spanish, 1960s
12 Nutrition survey, Candelaria, objectives and data, in Spanish, 1960s
13 Nutrition survey Candelaria, survey data, weight, height, head circ – boys, 1960s
14 Nutrition survey Candelaria, survey data, weight, height, head circ – girls, 1960s

18 1 Nutrition survey, Candelaria, research materials notes and graphs, 1960s
2 ICMRT Diarrhea study notes, proposals, bibliographies, 1960-66
3 Pre-school health survey research materials, 1962
4 Malnutrition in pre-school children: studies in Candelaria, c. 1964-65
5 School feeding, Candelaria, 1964

Sub-series 6.3: Thai health and demographic surveys

6 Bang Pa-In Health and Demographic survey, 1969
7 Bang Pa-In Health and Demographic survey, 1970
8 Bang Pa-In Health and Demographic survey, Ramathibodi Hospital Medical School, 1970-72
9 The Ramathibodi community health program, 11/10/1971
10 Health and demographic survey, Tambon Ben Wah, Amphur Bang Pa-In, 1971
11 Bang Pa-In Health and Demographic survey, 1971 (graphs)

19 1 Bang Pa-In Health and Demographic survey, 1971 (tables)
2 Bang Pa-In Health and Demographic survey, 1972

Sub-series 6.4: Rockefeller Foundation analyses

4 An analysis of the Rockefeller Foundation’s involvement at Ramathibodi, w/ charts and graphs, Wilson, Stewart, Wray, Bryant, Dec. 1970
5 An analysis of the Rockefeller Foundation’s involvement at Ramathibodi, w/ charts and graphs, Wilson, Stewart, Wray, Bryant, Dec. 1970 - DRAFT
6 Ramathibodi Community Health program, 1972-74

Sub-series 6.5: Graphs and charts

7 Weight charts and graphs, multinational, 1950s-1980s
8 Comparison charts and statistics, malnutrition and more, 1965-85
9 Charts, family size, birth order and IQ, 1965-73
10 Age-weight calculators, 1970-1988
11 Primary Health Care [PHC], historical and epidemiologic perspective, graphs and charts, 1970s-1980s
12 Life expectancy charts and graphs, 1970s-80s
13 Health program development, initiation and operation flow chart, n.d. c. 1970s
15 Assorted graphs, probably c. 1970s
16 Mixed charts and graphs, some from Candelaria, data from 1900-1970, c.1970
17 Health personnel time allocation graphs, 1971

20 1 Maternal nutrition and breast feeding, charts and graphs, data from 1872-1972, c. 1972
2 Charts and graphs, data from 1891-1973, c. 1973
3 Kass figures and infectious disease graphs, 1860-1974
4 Mixed graphs and charts, some from Thailand, data from 1820-1975, c. 1975
5 Malnutrition graphs and correspondence, 1977
6 Teaching slides, final copies, data from 1900-1980, including primary health care charts, c. 1980
7 Teaching slides, drafts, data from 1900-1985, c. 1985
8 Mixed graphs, charts and slides, data from 1900-1985, c. 1985

Sub-series 6.6: Manuscript notes

9 Mss notes, various topics, c. 1973
10-11 Mss notes, various topics, 1973-74
12 Mss notes, various topics (incl. short essays), 1976-78
13 Mss notes, various topics, 1976-77
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21 1-3 Nestlé boycott, correspondence and other records, 1977-81
4 Journal articles, 1921-1990
5 Cicely Williams, reprints and photocopies, 1933-73
6-7 Healthcare systems and marketing reports and articles, 1935-1979
8 Speeches and conference papers, 1939, 1978-81
9 Obstetrics in the Bible, S. Levin, c. 1956
10 Breastfeeding and nutritional status in depressed areas of Greater Manila, Phillipines, Zeitlin, et.al., 1975
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13 Bottle babies: a guide to the baby foods issue, Jane Cottingham, 1976
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<td>Breast is best: A bibliography on breast feeding, U.S. Dept. of Health, Education and Welfare, 1979</td>
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<td>The decline of the breast, 1981</td>
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<td>Response to public advocates petition concerning infant formula and informed feeding choice, 11/19/1981</td>
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<td>Determinants of early bottle feeding in Cite’ Simone, Haiti, Eubank, 1983</td>
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<td>Health planning: maternal and child health, 1984</td>
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<td>Interventions for the control of diarrhoeal diseases among young children and promotion of breast feeding, 1984</td>
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**Series VIII: Other Special Projects**

**Sub-series 8.1: China and Tibet**

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12 Protein caloric malnutrition and reality: teaching the practical side of nutrition, presentation, c. 1969
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14 Education for the health professions: regional aspects of a universal Problem, Buri and Wray, prepared for Technical Discussions at the 23rd World Health Assembly, 1970
15 Kwashiorokor and marasmus in Turkey, Publication 843 Meeting Protein Needs of Infants and Children, National Academy of Sciences, National Research Council, n.d. 1970s
17 Evaluation: Everyone talks about it . . ., Bibliotheca Nutritio et Dieta, 1970
19 Supplementary feeding of pregnant and lactating women, paper, Wray, n.d. 1970s
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<td>Healthcare and the technology gap: Implications for programming and planning, c. 1970</td>
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<td>Undergraduate &amp; graduate education in community medicine, from Community Medicine: Teaching research and healthcare, Latham &amp; Newbery, ed., 1970</td>
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3 A report on a consultation to the USAID/India integrated rural health and population project, Feb. 1980
4 Ch. 44 Nutrition and preventative medicine and Ch. 45, Population and Public Health, Maxcy-Rosenau Public Health and Preventative Medicine, 1980
5 International MCH Course, 1980-81
7 Condensed book and full chapter, Can health and nutrition interventions make a difference? Gwatkin, Wilcox and Wray, 1981
8 The effect of family planning on maternal and child health, 1983
9 Family spacing, Wray & Maine, from II Lifelines: Six essays on the potential contribution of the principal strategies discussed in this year’s State of the World’s Children Report, 1984
10 Financial resources for maternal/child health and family planning: A global review, from Selected papers of the 1984 Annual Conference, NCISH, 1984
11 Effects of fertility change on maternal and child survival: prospects for sub-Saharan Africa, World Bank, 1985
13 Nutrition and health in urban slums: an overview, publication unknown, 1985
14 Mobilizing private voluntary organizations for primary health care in Haiti, from Everyone Counts: Community-Based Health Information Systems, 1985
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22 Equity issues in primary healthcare, annotated by reviewer, with letter from reviewer, 1990
23 Reports on the basic health services delivery model, n.d., c. 1990s
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**Sub-series 9.2: Publications - Wray - bound volumes**

- Scrapbook, reprints and photocopies, 1956-1970
- Population explosion and the family, c. 1968
- Scrapbook, reprints, 1970-73

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Ramathibodi Community Health program, 1970-73
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**Sub-series 9.3: Publications - other authors**

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<td>A course in community health planning for adults, <em>Journal of the Medical Association of Thailand</em>, 1975</td>
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<td>Reports and interviews about Rockefeller Foundation and health research in the developing world, Oscar Harkavy, 1988-89</td>
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19  Sliding towards nutrition malpractice . . ., Alan Berg, Martin Forman Memorial Lecture, 1991
20  UNICEF supplies price list, 2000
21  Thai National Health program CD and mixed reprints, 2003
22  Foreign language reprints (Russian, Arabic, Japanese), n.d.
23  What do we do when growth falters, Susan Mathew, Dir. Of Social Welfare, Gov’t of Tamil Nadu, India, n.d.
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