

**Merrill-Palmer Institute: Icie G. Macy Hoobler Collection**

**Papers, 1918-1963  
(Predominantly, 1920s-1950s)**

**7 linear feet  
7 storage boxes**

Accession #1066  
DALNET #  
OCLC #

Icie Gertrude Macy Hoobler was the director of chemical and biological research at the Nutrition Research Laboratory of the Merrill-Palmer Institute and the Children's Hospital of Michigan from 1923 until 1930. She was then appointed Director of the Children's Fund of Michigan Research Laboratory, where she served until her retirement in 1954. Hoobler died in 1983.

Born near Gallatin, Missouri in 1892, Hoobler earned an undergraduate degree with a teaching certificate in music at the Central College for Women in Lexington, Missouri, where she developed an interest in science as well as social issues. In 1916 she graduated from the University of Chicago with a bachelor of science degree and two years later earned an M.S. from the University of Colorado. Hoobler became the fourth woman to receive a Ph.D. from the Department of Physiological Chemistry of the Sheffield Scientific School at Yale University in 1920. Before coming to Detroit, she taught in the Department of Household Science at the University of California at Berkeley.

Icie G. Macy Hoobler was a pioneer in the study of infant, child and adolescent growth and nutrition. She conducted some of the first studies on mother's milk and developed the first metabolic studies of pregnant women, which led to the establishment of nutritional needs during pregnancy. Hoobler also studied the composition of cow's milk and was instrumental in determining the appropriate amount of Vitamin D to be added to milk to prevent children from getting rickets. Other research related to amino acids and Vitamin C and the prevention of scurvy.

Hoobler was involved in many professional societies and organizations. She was president of the National Institution of Nutrition, served on the White House Conference on Child Health and Protection in 1930, was a fellow of the American Public Health Association and was the first woman president of the American Chemical Society.

The Merrill-Palmer Institute: Icie G. Macy Hoobler Collection consists primarily of material relating to her research, including reports, papers, reference and lecture materials, and correspondence. Also included are publications she authored or co-authored, materials relating to conferences at which she spoke or attended, her student course work and research at the University of Colorado and Yale University and her brief teaching career at the University of California.

**Note:** The Icie Gertrude Macy Hoobler papers (29 l.f.) and audiovisual material (.25 l.f. of photographs and 3 audio cassettes) are at the Bentley Historical Library at the University of Michigan.

**Important subjects in the collection:**

Chemists--United States  
Child development--Research--United States  
Child development--Testing  
Children--Nutrition  
Children's Fund of Michigan  
Detroit (Mich.)--History--20th century  
Infants--Nutrition  
Milk--Analysis  
Milk--Composition  
Milk--Lactation  
Milk as food--History  
Milk, human  
Nutrition--History  
Science--History  
Science--United States--Methodology--History  
Vitamins in human nutrition  
White House Conference on Child Health Protection (1930 Washington, D.C.)  
Women chemists--United States  
Women scientists--United States

**Important correspondents in the collection:**

McCollum, Elmer Verner

**Non-manuscript material:**

Several photographs have been placed in the Archives Audiovisual Collection.

**Box 1**

- of
- 1-5. American Chemical Society One Hundredth Meeting; Women's Service Committee, 1940
  6. Amino acids study, 1946-54
  - 7-8. Blood studies; case study report, c. 1927
  9. Blood studies; misc., 1930-31
  - 10-11. Blood studies; reference materials, 1925-38
  12. Blood studies; "Some Physiological Variations in Peripheral Blood Cell Counts" by Fanny Kenyon, 1930
  13. Childhood nutrition, 1922-24
  14. Children's Fund of Michigan; "Methods for Evaluating Nutritional Status Mothers, Infants and Children" (conference proceedings), 1947
  15. Children's Fund of Michigan; newsletters, 1937-42
  16. Children's Fund of Michigan Research Laboratory; human milk study report, 1944
  17. Children's Fund of Michigan Research Laboratory; misc. publications, 1931-53
  18. Children's Fund of Michigan Research Laboratory; publications program, 1924-54
  - 19-20. Children's Fund of Michigan Research Laboratory; publications program, 1956-60
  21. Children's Fund of Michigan Research Laboratory; supported research, 1938-40
  22. Children's Fund of Michigan Research Laboratory; *Report, May 1, 1931-April 30, 1939*, 1939
  23. Conference programs; American Chemical Society, 1936-41
  24. Conference programs; Federation of American Societies for Experimental Biology, 1936-41
  25. Conference programs; Michigan Academy of Science, Arts and Letters, 1935-41
  - 26-27. Conference programs; misc., 1938-41

**Box 2**

1. Correspondence; American Chemical Society, 1925-29
2. Correspondence; misc., 1921-23, 1931, 1950-1960
3. Correspondence; McCollum, E. V., 1924-28
4. Correspondence; *Pi Beta Phi* Social Exchange Committee, 1923-28
5. Correspondence; University of California, Berkeley, Household Science Dept., 1921-23
6. Cotton seed research, 1920-24
7. Cotton seed research; corres., 1919-21
- 8-9. Cotton seed research; "Further Studies on Cotton Seed Meal Injury" by Icie G. Macy and Julia Outhouse, 1923-24
10. Course materials; University of Colorado, c. 1916

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11. Course materials; University of Colorado, c. 1918
12. Course materials; Yale, 1918-20
13. Course materials; Yale (blood methods), c. 1920
14. Course materials; Yale (lab methods), 1919
15. Course teaching materials; Univ. of Calif. (Food and Dietetics), 1921
- 16-20. Course teaching materials; Univ. of Calif. (Food Economy), 1921-23
21. Course teaching materials; Univ. of Calif. (Household Science 102), 1921

**Box 2 (cont'd)**

- 22-23. Course teaching materials; Univ. of Calif. (Household Science 106), 1920-22
24. Course teaching materials; Univ. of Calif. (Household Science 216), 1923
25. Course teaching materials; Univ. of Calif. (Household Science 327), 1922
- 26-27. Course teaching materials; Univ. of Calif. Household Science Dept. (misc.), 1920-23

**Box 3**

- 1-2. Course teaching materials; University of California Household Science Dept. (misc.), 1921
- 3-5. Evaporated Milk Association; corres., 1929-33
6. Evaporated Milk Association; corres. re: studies, 1929-30
7. Evaporated Milk Association; reports, 1929-30
8. Family studies; "Family #2," c. 1940
9. Family studies; "The 'Fein' Family," c. 1940
- 10-11. Family studies; *Seek Ye First: A Study of Development in the Life of One Family*, c. 1940
12. Graduation; Yale, 1920
- 13-15. Grosse Ile Study, 1924-31
16. Grosse Ile Study; case summaries, c. 1924-27
17. Grosse Ile Study; "Child Health on Grosse Ile" by Icie G. Macy Hoobler and Charles A. Wilson, 1932
18. Grosse Ile Study; misc., 1927-30
19. Grosse Ile Study; notes, 1924-29
20. Grosse Ile Study; weight-height standards, 1924-28
21. Growth studies; *A Biological Growth Study of Infants* by Children's Fund of Michigan Research Laboratory (Gerber Co. grant), 1936

**Box 4**

1. Growth studies; *A Biological Growth Study of Infants* by Children's Fund of Michigan Research Laboratory (Gerber Co. grant), 1936
2. Growth studies; "Influence of Accessory Food Factors on the Growth and Development of Infants Receiving a Normal Diet," 1934-35
3. Growth studies; misc., 1935

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4. Growth studies; progress report to the Detroit Board of Health and Children's Hospital of Michigan, 1935
5. Growth studies; report to the American Medical Association Foods Committee, 1935
6. Growth studies; *A Study of the Influence of Orange Juice Concentrate, Freshly Expressed Orange Juice and Ascorbic Acid on the Nitrogen and Acid-base Mineral Storage of Preadolescent Children* by Children's Fund of Michigan Research Laboratory (P. A. McRee grant), 1937
7. Hoobler, Icie G. Macy, publications; articles: metabolism, 1931, 1950s
8. Hoobler, Icie G. Macy, publications; articles: milk, 1927-51
9. Hoobler, Icie G. Macy, publications; articles: misc., 1956-63
10. Hoobler, Icie G. Macy, publications; articles: nutrition and diet, 1930s, 1950s
11. Hoobler, Icie G. Macy, publications; *Composition of Human, Cow, Goat Milks*, 1953

**Box 4 (cont'd)**

12. Hoobler, Icie G. Macy, publications; *Icie G. Macy and Associates, 1923-31*, c. 1931
13. Hoobler, Icie G. Macy, publications; *Maternal Nutrition and Child Health*, 1950
14. Hoobler, Icie G. Macy, publications; *Nutritional and Chemical Growth in Childhood, Vol. III, Calculated Data*, 1951
15. Hoobler, Icie G. Macy, publications; *Nutritional Status of Mothers and Their Infants*, 1954
16. Hoobler, Icie. G. Macy, publications; *Physiological Adaptation and Nutritional Status During and After Pregnancy*, 1954
17. Hoobler, Icie. G. Macy, publications; *Physiological Changes in Plasma Proteins Characteristic of Human Reproduction*, c. 1955
18. Hoobler, Icie G. Macy, reports, papers, and presentations, 1920s-1930s
19. Hoobler, Icie G. Macy, reports, papers, and presentations, n.d., 1940s-1960s
- 20-21. Human milk studies, c. 1931
22. Human milk studies; bibliographies, c. 1931

**Box 5**

1. Human milk studies; human milk versus cow's milk, 1950-53
2. Human milk studies; maternal metabolism, c. 1931
3. Human milk studies; notes, c. 1950
- 4-5. Human milk studies; reference materials, 1930s-1940s
6. Lecture materials, 1925-26
- 7-10. Lecture materials, 1930s
11. Lecture materials; electrophoresis, c. 1949
12. Maternal studies; breast milk/mother's milk bureaus, 1946-47
13. Maternal studies; misc., 1947

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14. Maternal studies; pregnancy, 1946
- 15-16. Maternal studies; reference materials, 1940s
17. Metabolic studies; basal metabolism, 1938-40
- 18-20. Metabolic studies; "Metabolic Adaptations to Emotional Disturbances,"  
corres. and progress report re, 1960
21. Metabolic studies; Methodist Children's Village, 1935
- 22-24. Metabolic studies; mineral metabolism, 1931-34
25. Metabolic studies; mineral metabolism abnormal cases: epilepsy, rickets,  
scoliosis, c. 1935-40
26. Miscellaneous, 1930s-1950s

**Box 6**

1. Mother's Milk Bureaus, 1930
2. National Research Council; Maternal and Child Feeding  
Committee, 1946-48
- 3-5. The Nutrition Foundation, Inc.; reports of the scientific director, 1945-51
6. Nutrition studies; "Body Composition in Childhood," 1955
7. Nutrition studies; "The Chemical Composition of the Human Fetus"  
by Maurice H. Givens and Icie G. Macy, c. 1934
8. Nutrition studies; Children's Village Dietary, 1947
9. Nutrition studies; dietary aluminum, tin and lead, 1944-45

**Box 6 (cont'd)**

10. Nutrition studies; family nutrition, 1936-37
11. Nutrition studies; rickets, c. 1935
12. *Nutritional and Chemical Growth in Childhood*; corres., 1941-52
13. *Nutritional and Chemical Growth in Childhood*; corres. with Julia  
Outhouse, 1943-45
14. *Nutritional and Chemical Growth in Childhood*; corres. re permissions,  
1941-43
- 15-16. *Nutritional and Chemical Growth in Childhood*; distribution, 1942-52
17. *Nutritional and Chemical Growth in Childhood*; reviews, 1942-53
18. Pregnancy; diabetic, c. 1935
19. Pregnancy; electrophoretic, 1949
20. Pregnancy; toxemia, c. 1935
21. Reference materials; flour and bread, 1942-48
- 22-25. Reference materials; food and nutrition, 1940s-1950s
- 26-27. Reference materials; food rationing/nutrition, 1941-43

**Box 7**

1. Reference materials; milk, 1930s-1940s
2. Reference materials; milk vitamins, 1942-45
3. Reference materials; pediatric hospitals, 1943-47
4. Reference materials; vitamins, 1942-44

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5. Research funding, 1955-60
6. Research grants; Arthritis and Rheumatism Foundation, 1954
7. Research grants; Health, Education and Welfare Dept., 1954-55
- 8-9. Research grants; National Institute for Mental Health, 1958-60
10. Research grants; Nutrition Foundation, 1954
11. Research grants; publication programs, 1954-61
12. Research materials; mercury biochloride poisoning, c. 1921
13. Research Program, 1934-35
14. Research materials; wheat digestibility, c. 1920
15. White House Conference on Child Health and Protection; child development, 1930-31
- 16-17. White House Conference on Child Health and Protection; corres., 1930-31
18. White House Conference on Child Health and Protection; mental development, 1930
19. White House Conference on Child Health and Protection; misc., c. 1930
20. White House Conference on Child Health and Protection; reports: dietary, c. 1930
21. White House Conference on Child Health and Protection; reports: human milk, c. 1930
- 22-23. White House Conference on Child Health and Protection; reports, papers and presentations, 1930-31
24. White House Conference on Children and Youth; *Children and Youth in Michigan*, 1950
25. White House Conference on Children and Youth; misc., 1950-51
26. White House Conference on Children and Youth; Mayor's Committee on Youth Problems (Detroit), 1950
27. Women in the physical sciences, 1926-52
28. Women in the workplace, 1933-44