Worcester Foundation for Biomedical Research (WFBR) Papers, 1944 – 1997 [formerly Worcester Foundation for Experimental Biology (WFEB)]: A Finding Aid

Office of Medical History and Archives, Lamar Soutter Library, University of Massachusetts Medical School

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Worcester Foundation for Biomedical Research (WFBR) Papers, 1944 – 1997
[formerly Worcester Foundation for Experimental Biology (WFEB)]

A Finding Aid

Lamar Soutter Library, Office of Medical History and Archives
University of Massachusetts Medical School

Descriptive Summary

Repository: Lamar Soutter Library, Office of Medical History and Archives
University of Massachusetts Medical School

Identification: SC 9

Creator: Worcester Foundation for Experimental Biology / Biomedical Research

Title: Worcester Foundation for Biomedical Research Papers [formerly Worcester Foundation for Experimental Biology]

Date(s): 1944 - 1997

Quantity: 13 record cartons, 18 photograph boxes, 1 slides storage box. Approximately 21 linear feet.

Abstract: The Worcester Foundation for Biomedical Research (formerly Worcester Foundation for Experimental Biology) was established in 1944 in Shrewsbury, Massachusetts by Dr. Gregory Pincus and Dr. Hudson Hoagland. This collection documents the Worcester Foundation history and development until its 1997 merger with the University of Massachusetts Medical School in Worcester, Massachusetts. Also included in this collection are materials related to the Worcester Foundation for Biomedical Research faculty members.

Access Restrictions: Access to most material in the collection is unrestricted. Access to personal information relating to the WFEB/WFBR faculty is restricted for 10 years and thereafter is accessible by permission of the Archivist. Access to other restricted materials may be requested by completing a “Restricted Records Access Request” form.
Preferred Citation: The proper citation format for any item from this collection is:

The Worcester Foundation for Biomedical Research Papers, University of Massachusetts Medical School Archives, Lamar Soutter Library, University of Massachusetts Medical School, Worcester, Massachusetts.

Processing Information: This collection was processed by Dina Litvak in 2014. Processing of additional material was completed by Kristine Sjostedt in 2017 and 2018. News clippings were photocopied onto acid-free paper and all materials were placed in acid-free folders. Photographs were digitized and are stored internally on the Archives’ network system. Some photographs are available for viewing as part of the collection’s record in the public database on the Library’s website.

Biographical/Historical:

The Worcester Foundation for Experimental Biology (WFEB) was established in 1944 by Hudson Hoagland, Ph.D. and Gregory Pincus, Ph.D. as an independent research center primarily committed to basic biomedical studies of the relationship between hormones and diseases such as cancer, heart disease, and schizophrenia. The Worcester Foundation is best known for the development of the first birth control pill that was approved by the U.S. Food and Drug Administration (FDA). This revolutionary contraception method changed the world for women as we knew it.

In 1945, the year after the Foundation was established, Pincus and Hoagland raised funds to purchase a 12-acre estate at Maple Avenue in Shrewsbury, Massachusetts, for the Worcester Foundation campus.

In 1951, Margaret Sanger, a women’s rights and birth control activist, founder of Planned Parenthood, met Pincus and procured a small grant from Planned Parenthood Federation of America for him to begin hormonal contraceptive research. The studies were dramatically expanded in 1953 due to generous support from Katharine McCormick, a millionaire, feminist, and renowned philanthropist. Katharine Dexter McCormick was one of the first women to graduate from MIT with BSc degree and the wife of the heir to the Cyrus McCormick fortune.

Pincus, along with Min Chueh Chang, Ph.D., a senior scientist of the Worcester Foundation, demonstrated that progesterone acts as an inhibitor of ovulation in humans. Their pioneering studies revolutionized understanding of contraceptive medicine and led to the development of the combined oral contraceptive pill. In 1953, fertility specialist John Rock, M.D. joined the team and they began human trials at Rock's Reproductive Clinic in Brookline, Massachusetts. In the late 1950s the trials were expanded to Puerto Rico, Haiti, Mexico and Los Angeles due to the large number of low-income women eager to try this form of contraception. The small drug company Searle Pharmaceuticals that manufactured the first oral contraceptive named Enovid, provided the materials and donated some money for the Pill testing. Finally, in 1960, the FDA approved Enovid, the first commercial oral contraceptive, for marketing in the United States.

By the end of the 1960s, more than 300 international researchers came to the Worcester Foundation of Experimental Biology to do research. In the 1970s, WFEB scientists undertook the first systematic study of anti-tumor effects of the anti-estrogen tamoxifen and initial studies of aromatase inhibitors, two important classes of drugs to treat breast cancer. The Foundation received a Cancer Center award from the NIH when the program first began in 1971, which was a tremendous lift to the institution. In 1976, the Mimi Aaron Greenberg Cancer Research Institute was dedicated as a part of WFEB for cancer related studies.

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In 1995, the name was changed to Worcester Foundation for Biomedical Research (WFBR) to better reflect the increased focus on medical research. By that time the institution experienced financial troubles and then merged with the University of Massachusetts Medical School (UMMS) in 1997. The facility at 222 Maple Avenue, Shrewsbury, Massachusetts is currently operated by UMMS and is the location of the Center for Mindfulness in Medicine, Health Care, and Society.

Hudson Hoagland, Ph.D., (1899-1982) was a leader in neuroendocrinology. He became chairman of the biology department at Clark University in Worcester and later arranged for Gregory Pincus to join his research team at Clark when Pincus left Harvard University. Research restrictions and poor funding by the University’s administration prompted him and Pincus to found an institution exclusively concerned with scientific investigation. Hoagland served as the Worcester Foundation president from its formation until his retirement in 1970.

Gregory Goodwin Pincus, Ph.D. (1903 – 1967) was an American biologist and researcher who, in collaboration with Min Chueh Chang and John Rock, co-developed the combined oral contraceptive pill. In 1944, Pincus co-founded the Worcester Foundation for Experimental Biology in Shrewsbury, Massachusetts, and served as its research director. Concurrent with his work at the foundation, Pincus served as research professor at the Medical School of Tufts College from 1946 to 1950 and as research professor in biology at Boston University from 1950 until his death. Pincus was widely lauded for his work, amassing various awards and recognition, including the Albert D. Lasker Award given by Planned Parenthood – World Population and election to the National Academy of Sciences in 1965.

Min Chueh Chang, Ph.D., (1908 – 1991) was a renowned scientist in the field of reproductive biology, the co-developer of the birth-control pill and a pioneer in in vitro fertilization. He joined the staff at the Worcester Foundation for Experimental Biology in 1945. Although best known for his involvement with “the pill,” Chang also made a number of discoveries throughout his scientific career involving a range of topics within the field of reproductive biology. He published nearly 350 articles in scientific journals. Chang received numerous awards for his contributions, including the Albert Lasker Basic Medical Research Award in 1954, and was elected to the National Academy of Sciences in 1990.

John Rock, M.D., (1890-1984) was an obstetrician and gynecologist, a devout Roman Catholic and a ground-breaking infertility specialist. By the time Gregory Pincus approached Rock in the early 1950s about clinical trials of the Pill, Rock had also come to believe in the need for world population control. As part of the infertility research at his clinic, Rock was able to conduct the first human trials of the new oral contraceptive in Massachusetts. He also helped to plan the Worcester Foundation’s clinical trials of the Pill. When the Pill received FDA approval in 1960, Rock’s work on behalf of the Pill came to the forefront. At age 70, he launched a one-man campaign to gain Vatican approval of the Pill and until his last days he was bitterly disappointed by the Catholic Church’s refusal to change its position on the birth-control pill.

Mahlon Bush Hoagland, M.D., (1921 - 2009), son of the co-founder of the Worcester Foundation, Dr. Hudson Hoagland, was an American biochemist who discovered transfer RNA (tRNA), the translator of the genetic code. In 1970, Hoagland became scientific director of the Worcester Foundation for Experimental Biology, retiring in 1985 after 15 years in the directorship. In the mid-1970s, Hoagland organized a group of distinguished scientists, including several Nobel laureates, known as the Delegation for Basic Biomedical Research, who descended on Congress to

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2 The Medical School of Tufts College was formed in 1893. When the trustees changed the name of the institution from "Tufts College" to "Tufts University" in 1954, the medical school became the "Tufts University School of Medicine."

3 Lasker Foundation (http://www.laskerfoundation.org/awards/formaward.htm#worldpop)
argue that funding basic research was the best way to ensure medical advances. The effort led to increases in support for such fundamental research.

Thoru Pederson, Ph.D., joined the Worcester Foundation as a staff scientist in Cell Biology in 1971 and was promoted to president of the institute in 1985. He was the Foundation’s president and scientific director from 1985 to 1997. Currently Pederson holds the Vitold Arnett Professorship, an endowed position, and is also Associate Vice Provost for Research at the University of Massachusetts Medical School, which acquired the Worcester foundation in his final year as its head.

The Hudson Hoagland Society was founded in 1985. Named in honor of the co-founder of the Worcester Foundation for Biomedical Research, the Hudson Hoagland Society recognizes major annual contributors who share a commitment to advancing biomedical research. Through the Annual Research Fund, the Society provides critical resources for UMMS scientists to pursue new lines of investigations and discovery.

Scope and Content:

The bulk of this collection contains annual and scientific reports, correspondence, grants and study data, financial reports, newspaper clippings, scientific publications, bound volumes, numerous photographs ephemera created by or about Worcester Foundation for Experimental Biology or Worcester Foundation for Biomedical Research.

Series and Subseries in the Collection: The collection is arranged in twenty-two series, five of which are further arranged in several subseries. The series and subseries in the collection are as follows:

Series 2: News Releases, 1974
Series 3: Events
  A. Anniversaries
  B. Mahlon Hoagland Distinguished Lectures
  C. Gregory Pincus Memorial Lectures
  D. Eliahu Caspi Lectureship in Chemical Biology
  E. Miscellaneous Events
Series 4: Publications
  A. "Research in Prostaglandins" newsletter, 1971 - 1973
  B." Worcester Foundation News" press releases, 1974 - 1975
  F. “Report of Research”

Reinhold, R. Scientists seeking research funds are lectures on political science. The New York Times, May 7, 1981.
H. WFEB Miscellaneous publications
I. “To Your Good Health”, 1970-1973
J. “Director’s Newsletter”, 1974-1975
K. “Research in Reproduction”, 1976

Series 5: Annual Reports
Series 6: Scientists and Staff
   A. Hudson Hoagland
   B. Gregory Pincus
   C. WFEB scientists’ profiles
   D. Min Chueh Chang
   E. Mahlon Hoagland
   F. John Rock
   G. Bernard Pincus
   H. Paul C. Zamecnik
   I. Thoru Pederson
   J. Carol A. Ziomek
   K. William Crain
   L. Edward L. Klaiber
   M. John McCracken
   N. Carlos Gual Castro
   O. Anne P. Merrill

Series 7: Scientific Reports
Series 8: Administrative, Financial and Legal Materials
Series 9: Board of Trustees
Series 10: Newspaper clippings, Articles, Book Chapters
Series 11: Awards
Series 12: Delegation for Basic Biomedical Research, 1974 - 1983
Series 13: WFEB/WFBR Campus
Series 14: Executive Committee
Series 15: Research Activities – Grants, Study Data, Reports, Correspondence
Series 16: Bibliography
Series 17: Photographs
   A. Scientists
   B. Events
   C. Buildings
   D. Miscellaneous

Series 18: Audio/Visual Materials
   A. Audio
   B. Video
   C. Floppy Disks

Series 19: Slides

Series 20: Negatives

Series 21: Scrapbooks

Series 22: Artifacts

    (Box 1: Folders 1-8)
    3. Annual Progress Reports: 1978 - 1986; Newsletters
    8. Dedication program: 1976

Series 2: News Releases, 1974 (Box 1: Folder 9)

Series 3: Events (Boxes 1-2: Folders 10-53)

Subseries A. Anniversaries (Box 1: Folders 10-17)
    10. 30th Anniversary Program Materials: Campaign Documents & Speeches: 1974
    11. 30th Anniversary Program Materials: Brochures & Cards: 1974
    13. Anniversary Campaigns Summary
    14. 40th Anniversary: 1984
Subseries B. Mahlon Hoagland Distinguished Lectures (Box 1: Folders 18-20)

18. The 1st annual Mahlon Hoagland Distinguished Lecture: Lewis Thomas, MD: 10/03/1986
19. The 2nd annual Mahlon Hoagland Distinguished Lecture: the Nobel Laureate Dr. James D. Watson: 10/02/1987
20. The 3rd annual Mahlon Hoagland Distinguished Lecture: Dr. Philip Leder: 05/05/1989

Subseries C. Gregory Pincus Memorial Lectures (Box 1: Folders 21-42)

22. 2nd Pincus Memorial Lecture: 03/16-18/1970
23. 3rd Pincus Memorial Lecture: 05/10/1971
24. 4th Pincus Memorial Lecture: 04/19/1972
25. 5th Pincus Memorial Lecture: 11/15/1973
27. 7th Pincus Memorial Lecture and the New England Endocrinology Conference: 12/05/1975
29. 9th Pincus Memorial Symposium: 10/06/1977
30. 10th Pincus Memorial Symposium: 10/19/1978; Symposium on steroid hormone receptor systems: 10/18-20/1978
31. 11th Pincus Memorial Lecture: 10/11/1979
33. 13th Pincus Memorial Lecture: 10/18/1982
34. 14th Pincus Memorial Lecture: 10/17/1983
35. Pincus Memorial Lecture and Symposium on the biochemistry and physiology of prostaglandins and other eicosanoids: 10/29/1984
36. Pincus Memorial Lecture and Symposium on reproductive endocrinology: 11/05/1986
37. NIH workshop on autocrine/paracrine mechanisms in reproductive endocrinology and Pincus Memorial Lecture: 10/16/1988
38. Pincus Memorial Lecture: 11/05/1992
41. Pincus Memorial Lecture: June 1998
42. Pincus Memorial Lecture: October 2000

Subseries D. Eliahu Caspi Lectureship in Chemical Biology (Box 1: Folder 42A - 43)
42B. Eliahu Caspi Lectureship in Chemical Biology: 2002
43. 2nd Eliahu Caspi Lecture in Chemical Biology: 05/07/2004

Subseries E. Miscellaneous Events (Box 2: Folders 44-53)

44. "Doctor of science degree" right: 1965
45. Dr. Mahlon Hoagland free public lecture series: 1982
46. International conference on sperm cell biology (circa 1990)
46A. Conference to Evaluate Methods for Determining Estrogens in Body Fluids & Tissues: August, 1957
47. Materials for exhibits and TV show: 1982 and 2001
47A. American Experience, PBS television production: correspondence, photocopies of materials loaned to PBS and returned to WFBR
48. Twentieth Anniversary Celebration of the Discovery of the Birth Control Pill: 10/19/1974
49. The Pill Exhibit: 1988
50. Pill Exhibit at UMMS: March, 1982
51. 30th anniversary campaign and Cancer Research building dedication, 06/02/1974
52. Exploration '81: program, News clips, "The Commutator Award" entry: October 1981
53. Hudson Hoagland Society award: 29 Annual meeting, 05/13/2014. Awardee: Warner S. Fletcher

Series 4: Publications (Boxes 2-3: Folders 54-99)

Subseries A. "Research in Prostaglandins" newsletter, 1971 – 1973 (Box 2: Folders 54-56)

Subseries B. "Worcester Foundation News" press releases, 1974 – 1975 (Box: Folder 57)

64. Newsletter: "The Foundation News Letter": 05/1964 - 08/1964


70. Newsletter: "WFEB Happenings": 01/1971 - 12/1971
71. Newsletter: "WFEB Happenings": 01/1972 - 12/1972
73. Newsletter: "WFEB Happenings": 02/1974 - 12/1974
74. Newsletter: "WFEB Happenings": 02/1975 - 10/1975
75. Newsletter: "WFEB Happenings": 02/1976 - 12/1976
76. Newsletter: "WFEB Happenings": 02/1977 - 12/1977
78. Newsletter: "WFEB Happenings": 02/1979 - 12/1979
80. Newsletter: "WFEB Happenings": 02/1981 - 12/1981
81. Newsletter: "WFEB Happenings": 02/1982 - 12/1982
82. Newsletter: "WFEB Happenings": 02/1983 - 12/1983
83. Newsletter: "WFEB Happenings": 02/1984 - 12/1984
84. Newsletter: "WFEB Happenings": 02/1985 - 12/1985
85. Newsletter: "WFEB Happenings": 02/1986 - 12/1986
86. Newsletter: "WFEB Happenings": 02/1987 - 12/1987

**Subseries E. "Research Reporter", 1976 - 2002 (Box 3: Folders 89 – 89 I)**

89 G. Newsletter: “Research Reporter”: 2000


**Subseries G. Bulletin, 1953-1967 (Box 3: Folders 90-90C)**

**Subseries H. Miscellaneous publications (Box 3: Folders 90A-96D)**
90D. Brochure about WFEB; directions
92. “Evolution of the Pill,” by Dorothy M. Hunt, 2002
93. WFEB: Dedication of the Shrewsbury Laboratories: 06/09/1945
96B. Worcester Foundation 30th Anniversary Medical Research Campaign
96C. Symposium on Enovid, 1963
96D. UMass Memorial Foundation: Campaign for Cardiovascular Medicine

**Subseries I. “To Your Good Health,” 1970-1973 (Box 3: Folders 96E-97)**
96F. “To Your Good Health,” 1972
97. “To Your Good Health,” 1973

**Subseries J. “Director’s Newsletter,” 1974-1975 (Box 3: Folder 98)**

**Subseries K. “Research in Reproduction,” 1976 (Box 3: Folder 99)**

**Series 5: Annual Reports (Box 4: Folders 100-104D)**

**Annual Reports: bound volumes - shelved in Archives**

Annual Reports: 1945 - 1954, bound volume
Annual Reports: 1947 - 1966, bound volume
Annual Reports: 1955 - 1960, bound volume
Annual Reports: 1961 - 1965, bound volume
Annual Reports: 1971 - 1976, bound volume
Annual Reports: 1981 - 1993, bound volume
Annual Reports: 1984 - 1989, bound volume
Annual Reports: 1990 - 1996, bound volume

**Series 6: Scientists and Staff (Boxes 5 – 7; Box U: Bound Volumes, Artifacts and Folders 105-154Z4)**

**Subseries A. Hudson Hoagland:** Co-founder of WFEB and President until his retirement in 1970
(9 bound volumes, 2 books, Folders 105-112)

**Bound Volumes: housed in book cases in Rare Book Room**

Hudson Hoagland Collected Papers, vol. II, 1940 - 1947
Reprint Collection: Clark University Biological Laboratories, vol. 2, 1936 – 1939

Hoagland, Hudson, "The Road to Yesterday," Privately printed, Worcester, MA 1974 (Copy available in general collection)

(Box 6: Folders 105-112)
108. Hudson Hoagland: Miscellaneous Materials
110. Anna P. Hoagland
111. Hoagland, H. "The Pill" from "The Road to Yesterday," 1974
112. Hudson Hoagland Clark collection: July.1985

Subseries B. Gregory Pincus: Co-founder of WFEB, Research Director, Co-developer of the oral contraceptive
(8 bound volumes, 3 books, Folders 113-123)
Bound Volumes: housed in book cases in Rare Book Room

Gregory Pincus Collected Papers, 1926 – 1934
Gregory Pincus Collected Papers, 1935 - 1938
Gregory Pincus Collected Papers, 1939 - 1943
Gregory Pincus Collected Papers, 1944 - 1950
Gregory Pincus Collected Papers, 1951 - 1954
Gregory Pincus Collected Papers, 1955 - 1958
Gregory Pincus Collected Papers, 1959 - 1963
Gregory Pincus Collected Papers, 1965 - 1969
The Hormone, volumes I, III, IV: on shelf

(Box 6: Folders 113-123)
113. Gregory Pincus Reprints: 1941 - 1957
114. Gregory Pincus: 1903-1967
119. WFEB: Gregory Pincus: Correspondence: 1961 – 1967
119A. Letter (copy) to Pincus from Hubert H. Humphrey, Vice-President of the United States, 1965
120. WFEB: Gregory Pincus: News clips: 1951 - 1967
121. WFEB: Gregory Pincus: Reprints: 1962 - 1965
122. WFEB: Gregory Pincus: In memoriam: 1962 - 1965
123. Gregory Pincus, 1903-1967: biosketch, CV and List of publications

Subseries C. WFEB scientists profiles (Box 6: Folder 124)

124. "Science Happenings": Scientists Profiles

Subseries D. Min Chueh Chang: Senior scientist, Co-developer of the oral contraceptive (Box 6: Folders 125-139)

126. Chang, Min Chueh 10/10/1908 - 06/05/1991: CV, biographical materials, correspondence.
128. Chang, Min Chueh:10/10/1908 - 06/05/199: achievements and awards: 1962 - 1988
130. Chang, Min Chueh: bibliography
133. Chang, Min Chueh: bench dedication: 06/03/1994
134. Chang, Min Chueh: Writings: Recollection of my life during the past 40 years at the WFEB: 03/14/1985
135. Chang, Min Chueh: obituaries and memorial service: June-October 1991
137. Chang, Min Chueh: awards: 1985 - 1990
138. Chang, Min Chueh: reprints
139. Chang, Min Chueh: room: correspondence: November-December, 1992

Subseries E. Mahlon Hoagland: Scientific Director, 1970-1985 (Box 7: Folders 140-142, 2 books)

140. Mahlon B. Hoagland, 1921 - 2009
142. Mahlon Hoagland (1921 - 2009): A Biographical memoir by Thoru Pederson

Book housed in general collection:
Subseries F. John Rock: Gynecologist and infertility specialist; helped WFEB plan clinical trials of the first oral contraceptive (Box 7: Folder 143)


Subseries G. Bernard Pincus: Executive Assistant to the Directors, (Box 7: Folders 144)

144. WFEB: Bernard Pincus, deceased 09/23/1966; correspondence, copies of Medical World News, May 14, 1965

Subseries H. Paul C. Zamecnik: Molecular biologist, identified transfer RNA (tRNA) (Box 7: Folders 145-147)

145. Albert Lasker Award to Paul Zamecnik: 1996


Subseries I. Thoru Pederson: President and Scientific Director, 1985 - 1997 (Box 7: Folders 148-149)


149. Thoru Pederson: News clips

Subseries J. Carol A. Ziomek, Scientist (Box 7: Folder 150)

150. Carol A. Ziomek: News clips

Subseries K. William Crain: Scientist (Box 7: Folder 151)


Subseries L. Edward L. Klaiber: Scientist (Box 7: Folder 152)

152. Edward L. Klaiber

Subseries M. John McCracken: Senior Scientist (Box 7: Folder 153)


Subseries N. Carlos Gual Castro: Scientist (Box 7: Folder 154)


Subseries O. Anne P. Merrill: Lab technician and Assistant to Gregory Pincus (Box 7 and Box U: Folders 154A -154Z4, 8 Books, Artifacts)

154A. Biographical/Personal

154B. News clips

154C. Lab instruments inventory

154D. Publications

154E. Reproductive course material

154F. Correspondence: undated

154G. Correspondence: 1958
154H. Correspondence: 1965
154I. Correspondence: 1970
154K. Correspondence: Smithsonian gift: 1992
154L. Correspondence: Lara Marks manuscript: 1996, 1998
154M. Correspondence: The Fifties: 1997
154N. Reprints, research literature: 1944
154O. Reprints, research literature: 1948-1970
154P. Reprints, research literature: 1952
154Q. Reprints, research literature: 1954-1965
154R. Reprints, research literature: 1956-1966
154S. Reprints, research literature: 1956-1966
154T. Reprints, research literature: 1956-1970
154U. Reprints, research literature: 1957
154V. Reprints, research literature: 1960,1967
154W. Reprints, research literature: 1961-1966
154X. Reprints, research literature: 1965-1966
154Y. Reprints, research literature: 1966-1969
154Z. Reprints, research literature: 1967
154Z1. Reprints, research literature: 1967
154Z2. Reprints, research literature: 1967, 1973
154Z4. Reprints, research literature: 1978

Books

Bound book: Compilation of reflections, photographs, and notes from colleagues and friends in honor of Anne’s twenty-three years of service with WFBR, 1972


Books transferred to general collection:


**Artifacts:** Box U

Lab test data index cards

Lab tools – scissors, tweezers, magnifying glass, thread

Small leather box containing drug vials, tourniquet, wooden tongue depressors, needle, cotton

Metal statue approximately twelve inches high. Accompanying note reads, “From the office of Gregory Pincus --- After ‘The Pill’ came to be --- [illegible] ‘Woman Emancipated’ --- or so we called it!! ‘Free -- Free — At Last’ a-la M. L. King”

Dress/uniform: white, front button, dacron/polyester

Lab apron: cotton

**Series 7: Scientific Reports (Box 7: Folders 155-157 and 2 Bound Volumes)**


**Bound volumes: housed in book cases in Rare Book Room**

WFEB Scientific Reports 1973 - 1993

WFEB Scientific Reports 1979 – 1988

**Series 8: Administrative, Financial and Legal Materials (Box 8: Folders 157A – 161B)**

157A. Charter, 1944


157C. Name Change: Worcester Foundation for Experimental Biology (WFEB) to Worcester Foundation for Biomedical Research (WFBR): 1995


158A.1 Financial Statements: 1976 and 1977


158D. Tax Status Documentation: 1998-1999
158E. University of Massachusetts Tax Exempt Status: 1995
159. Transfer of WFBR funds, assets and property to UMMS: 09/28/1998
159A. WFBR 501 (c) (3) Determination Letter: 1999
159B. UMass Memorial Foundation (UMMF) 501 (c) (3) Determination Letter: 1999
159C. UMass Memorial Foundation (UMMF) Tax Return – Form 990: 2002
160. WFBR/UMMS merger related materials: 03/21/1997 - 01/12/2000
160A. WFBR/UMMS merger related materials
160B. WFBR/UMMS merger related materials
160C. WFBR/UMMS merger related materials
160D. WFBR/UMMS merger related materials
160E. Task Force: Summer 2004
161. Science To Go Program
161A. Cardi-Cath Campaign
161B. Greater Worcester Community Foundation: Annual Report, 2005

Series 9: Board of Trustees (Box 8: Folders 162-182, Box 9: Folders 183-213)
162. Trustees’ biographies: Access Restricted
163. Trustees’ biographies: Access Restricted
164. Trustees’ biographies: Access Restricted
165. Trustees’ biographies: Access Restricted
166. Trustees’ biographies: Access Restricted
167. Trustees’ biographies: Access Restricted
168. Final Report of the Board of Trustees, 05/20/1988
169. Trustees: members
170. Trustees: honorary members; officers, 1945-2005
171. Trustees: Board Chairmen
172. Trustees: birth dates
173. Trustees: election dates
174. Trustees: listings of Trustees in Annual Reports, 1945-1986
175. Board of Trustees: Report and recommendations of the planning and resources committee: October, 1978
176. Proclamations for WFBR employees: October 1998
178. Trustees meetings 12/23/1943 - 09/28/1949
179. Trustees meetings 12/23/1943 - 09/28/1949
180. Trustees meetings 01/23/1950 - 06/06/1953
181. Trustees meetings 01/23/1950 - 06/06/1953
182. Trustees meetings 06/24/1953 - 04/24/1957

**Box 9**
183. Trustees meetings 06/24/1953 - 04/24/1957
184. Trustees meetings 05/06/1957 - 01/08/1960
185. Trustees meetings 05/06/1957 - 01/08/1960
186. Trustees meetings 05/09/1960 - 06/05/1964
187. Trustees meetings 05/09/1960 - 06/05/1964
188. Trustees meetings 11/30/1964 - 05/30/1969
189. Trustees meetings 11/30/1964 - 05/30/1969
190. Trustees meetings 06/30/1970 - 12/31/1972
191. Trustees meetings 06/01/1973 - 12/18/1974
192. Trustees meetings 06/01/1973 - 12/18/1974
193. Trustees meetings 06/07/1975 - 10/31/1981
194. Trustees meetings 06/07/1975 - 10/31/1981
195. Trustees meetings 05/08/1982 - 10/12/1990
196. Trustees meetings 02/01/1991 - 10/02/1992
199. Trustees meetings: 1997-1998; UMMS/WFBR merger
201. Trustees meeting: 05/16/2003
202. Trustees meeting: 10/31/2003
203. Trustees meeting: 01/30/2004
204. Trustees meeting: 05/14/2004
205. Trustees meeting: October 2004
206. Trustee Nominating Committee: Spring 2004
207. Trustee Nominating Committee: 2004
208. Trustee Nominating Committee: 2003
209. Trustee Nominating Committee: 2001
210. Trustee Nominating Committee: 1998
211. Trustee Nominating Committee: 1999-2001
212. Trustee Nominating Committee: 1999-2001
213. Trustee Nominating Committee: 1999-2001

Series 10: Newspaper clippings, Articles, Book Chapters (Box 10: Folders 214-232), Box 11: Folders 232A-232B)

224A. Contraception: Bibliography, abstracts, publications: 1960-1966
225A. Reproduction: Bulletin of the Worcester Foundation for Experimental Biology; Reproduction Research Information Service, Ltd. – Bibliographies
228. The Pill: News clips and articles: Undated; 1995
230. "Great Moments in Medicine": book chapters
230A. "Great Moments in Medicine": book chapters
231. Four months’ cumulative report on news releases: 8/20/1974 - 12/20 1974

Box 11


Series 11: Awards (Box 11: Folder 233)
233. Gregory Pincus Award

Series 12: Delegation for Basic Biomedical Research, 1974 – 1983 (Box 11: Folders 234-235)
235. Delegation for Basic Biomedical Research: 1979 - 1983

Series 13: WFEB/WFBR Campus (Box 11: Folders 236- 246)
239. Reed building: News clips: 1965 - 1975
240. Reed building: Correspondence: 1964 - 1972
241. Reed building: Dedication and open house: 06/12/1965
242. Prospectus of WFEB – Investment portfolio for Jacob Reed
244. Rose-Gordon Research oratories construction: correspondence: 1974 - 1976
246. History of WFEB/WFBR campus land: by Lyn Lincourt, 10/1/2008

Series 14: Executive Committee (Box 11: Folders 247- 255; Box 12: Folders 256-260B)
247. Worcester Research Foundation: Founders Board meeting: 12/23/1943
248. Finance Committee meetings: 04/06/1950 – 12/17/1953
248A. Finance Committee meetings: 01/07/1954 – 09/12/1956
249. Executive Committee meetings: 10/09/1956 - 12/24/1959
250. Executive Committee meetings: 01/04/1960 – 03/28/1961
250A. Executive Committee meetings: 04/18/1961 – 03/13/1962
250B. Executive Committee meetings: 03/23/1962 – 09/26/1963
251. Executive Committee meetings: 10/18/1963 – 09/30/1965
251A. Executive Committee meetings: 10/15/1965 – 05/08/1969
252. Executive Committee meetings: 07/16/1969 - 10/14/1971
253. Executive Committee meetings: 01/04/1972 - 05/04/1973
254. Executive Committee meetings: 09/22/1973 – 06/03/1974
254A. Executive Committee meetings: 06/26/1974 - 03/20/1975
255. Executive Committee meetings: 07/17/1975 - 12/07/1979
Box 12

256. Executive Committee meetings: 02/01/1979 – 03/12/1981
256A. Executive Committee meetings: 05/27/1981 -12/08/1983
257. Executive Committee meetings: 02/09/1984 – 06/18/1987
258. Executive committee meetings: 01/26/1989 - 12/06/1990
260. Executive committee meetings: 02/10/1993 - 06/13/1997
260A. Central Analytical Laboratory Committee meetings: 1965-1966

Series 15: Research Activities - Grants, Study Data, Reports, Correspondence (Box 12 Folders 261-299; BOX 13, Folders 300-340; Box 14, Folder 341-381; Box 15, Folders 382-424)

261. Roussel-Uclaf grant materials: 1966-1969
262. Merck & Co., Inc. grant for the study of estrogens and anti-implantation compounds in rhesus monkeys: 1966-1968
263. Kimberly-Clark grant for the "Studies of Physiology and Biochemistry of Menstrual Phenomena": 1966-1968
266. Mrs. Stanley McCormick Grant H.8 for Worcester Foundation student dormitory at Shrewsbury Motor Inn: 1961 - 1966
267. Syntex Corporation grant: 1964-1965
268. Merck Corporation Foundation grant: 1964-1965
269. Shionogi Research Lab grant to cover the expense of bioassays: 1964
271. Merck Institute for Therapeutic Research grant for a rat carcinogenicity study on MK-880: 1964 -1967
274. CIBA Pharmaceutical Company grant for study of cerebral reproductive factors: 1965 - 1967
275. Lead Industries Association grant for the study of organolead compounds: 1963 - 1964
276. WFEB: The Council for Tobacco Research grant for the evaluation of the tobacco consumption study: 1962 - 1966
277. Phytogene Products grant: 1964 – 1967
280. Eberhard-Stephens Laboratories grant for the pregnancy test efficiency checking: 1962 - 1963
281. The Lilly Research Laboratories grant for Dr. Dorfman's research on the purification of gonadotropin-inhibiting materials: 1962 - 1964
282. The Lilly Research Laboratories grant for Dr. Dorfman's studies on a method for the detection of anti-mammary tumor compounds in rats: 1961-1962
283. Germanium Research Committee grant for biological studies of germanium compounds: 1961 - 1964
284. Julius Schmid, Inc., grant to cover the chemist salary: 1961 - 1964
288.-Mrs. Stanley McCormick grants: 1964 - 1972
289. Syntex, S. A., grant for studies on the method for measurement of steroid hormone in blood: 1962
290. CIBA Pharmaceutical Company grants for study on different compounds effect on fertility and for study on Serpasil in mental patients: 1949 - 1966
291. CIBA Pharmaceutical Company grant for studying the antifertility effect of the chemical compound Ba-8177: 1957 - 1958
293. Hoffman-Laroche grant for studies on biochemical aspects of major psychoses: 1958 - 1959
296. Hoffman-Laroche grant for the study of anti-androgen Ro2-7239: 1959
298. Astra Pharmaceutical Products, Inc., grant for Dr. Elmadjian's psychiatric research project: 1959 - 1961
299. Syntex grant: 1959 – 1960

Box 13

300. Research Center Grant in Reproduction: 12/22/1989
301. Sheep Surgical Core Facility
302. Grant Application: Coronary Heart Disease: 1967
304. Drawings for Grant Applications (Supplemental)
   “Outline of Biosynthesis of Corticosteroids and Androgens”: 1965
313. Filter Slide and Mount Drawings
314. Drawings
315. Ian Bush: 1965-1966
316. R.D. Bulbrook: 1969
319. National Science Foundation: 1970
320. Worcester Polytechnic Institute: 1968
321. American Cancer Society, Inc.: Grant Application – Ian E. Bush, Principal Investigator
323. Study Proposal: Steroid Excretion Patterns in Patients with Cancer: 1965
327. Cushing Hospital Study: 1965-1968: Access Restricted
329. Enovid Study: April 1966
331. George C. Escher: Memorial Sloan - Kettering Cancer Center: 1966: Access Restricted
333. Haiti Samples: Access Restricted
337. Framingham Heart Study: Access Restricted
338. Study of Primary Breast Cancer: Study Number 8000:
    Quarterly Reports: 7/1/1973 - 12/31/1973

339. Study of Primary Breast Cancer: Study Number 8000: First Anniversary Urinary Steroid
    Determinations

340. Study of Primary Breast Cancer: Study Number 8000: Second Anniversary Urinary Steroid
    Determinations

**Box 14**

341. Study of Primary Breast Cancer: Study Number 8000: Third Anniversary Urinary Steroid
    Determinations

342. Study of Primary Breast Cancer: Study Number 8000: Fourth Anniversary Urinary Steroid
    Determinations


344. Study of Primary Breast Cancer: Study Number 8000:

345. Study of Primary Breast Cancer: Study Number 8000: Summary Report: July, 1973

346. Study of Primary Breast Cancer: Study Number 8000:

347. Study of Primary Breast Cancer: Study Number 8000: Summary Report: April, 1973


349. Study of Primary Breast Cancer: Study Number 8000:

350. Study of Primary Breast Cancer: Study Number 8000:
    Summary Reports: 1/1/1971-11/30/1971

351. Study of Primary Breast Cancer: Study Number 8000:
    Summary Reports: 1/1/1972 – 9/30/1972

352. Study of Primary Breast Cancer: Study Number 8000:
    Summary Report: October – December 1972

353. Study of Primary Breast Cancer: Study Number 8001
    Summary Reports: 10/1/1971 – 12/31/1971

354. Study of Primary Breast Cancer: Study Number 8001
    Summary Reports: 1/1/1972 – 12/31/1972

355. Study of Primary Breast Cancer: Study Number 8001
356. Study of Primary Breast Cancer: Study Number 8001

357. Study of Primary Breast Cancer: Study Number 8001
   Summary Reports: 7/1/1973 – 9/30/1973

358. Study of Primary Breast Cancer: Study Number 8001
   Summary Reports: 10/1/1973 – 12/31/1973

359. Study of Primary Breast Cancer: Study Numbers 8000 and 8001
   Quarterly Reports: 1/1/1971 – 12/31/1972

360. Study of Primary Breast Cancer: Study Number 8001
   Urinary Steroid Determinations Report: September, 1972

361. Study of Primary Breast Cancer: Study Number 8001
   Urinary Steroid Determinations Report: September, 1972

362. Study of Primary Breast Cancer: Study Number 8001
   Urinary Steroid Determinations Report: September, 1972

363. Study of Primary Breast Cancer: Study Number 8001
   Urinary Steroid Determinations Report: September, 1972

   Determinations: Special Morning Samples


366. Results Reported: Carter and Vestergaard: 1968

367. Correspondence pertaining to samples: 1969

368. Correspondence pertaining to samples: 1967

369. Correspondence pertaining to samples: 1968-1969

370. Correspondence pertaining to samples: 1966: Access Restricted

371. Correspondence pertaining to samples: 1965: Access Restricted


374. Comparison of Breast Cancer, Other Cancer, and Control

375. Los Angeles Study: Scan Records: 1967
376. Los Angeles Study: Scan Records: October – December 1966


381. Monkey Samples: 1967: Access Restricted

**Box 15**


389. Sloan-Kettering Institute: Discriminant Function: Access Restricted


391. Observations on Use of “Delta-1-Testololactone”: 1967

392. Comparison of Kober-Ittrich-Brown Methods

393. Peterson v. Paper

394. Calculations on Between Batch and Within Batch Samples for Progress Report: Public Health


396. Silandrone Study: Correspondence: 1969


399. Silandrone Study: Interim Report II: May, 1969


403. Silandrone Study: Radioactive Count Results: 1969: Access Restricted


411. NASA: Correspondence: 1967


413. NASA: Miscellaneous


416. National Institute of General Medical Sciences Grant: Reports: 1967

417. National Institute of General Medical Sciences Grant: Oak Ridge Symposium: 1969


419. National Institute of General Medical Sciences Grant: Correspondence: 1967-1969

420. National Institute of General Medical Sciences Grant: Correspondence: 1967

421. National Institute of General Medical Sciences Grant: Miscellaneous: 1970

422. Multiple Wavelength Spectrophotometry as Applied to Chromatogram Scanning: 1968-1969

423. Unknown Study: Sample Results: 1973
424. Unknown Study: Rat test results: Pincus: undated (2 compact discs with images of documents housed in Audio/Visual series)

**Series 16: Bibliography (Box 15: Folders 425 - 426)**


**Series 17: Photographs: (Box 15: Folders 427 - 429)**

*(Boxes A-S: Folders 00001 - 00146)*

Note: some folders also contain negatives of the photographs

427. Photocopied photographs: W.FEB buildings before 1960; M.C. Chang

428. Photocopied photographs: W.FEB buildings and 1945: 1940s-1950s


**Subseries A. Scientists (Boxes A – H: Folders 00001 – 00063)**

**Box A: Folders 00001 - 00010**

00001 Mahlon Hoagland and Federico Welsh, 10/23/1970

00002 Mahlon Hoagland in his laboratory, 3/1972; 1 negative – possibly M.C. Chang

00003 Mahlon Hoagland; unknown.

00004 John Aberhart, PhD; 1976 - 1978

00005-A, B, C, D: M.C. Chang: 1950s - 1980s


00007 Lawrence J. Dangott

00008 Justin Fallon: 1987 - 1995

00009 Harvey Florman: 1995

00010 Bruce Goldman

**Box B: Folders 00011 - 00014**

00011 John Goodchild

00012 Hagan Bayley

00013 John Hildebrandt

00014-A, B, C, D: Mahlon Hoagland

**Box C: Folders 00015 - 00024**

00015 Hudson Hoagland

00016 Michele Jacob
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<td>Stephen Lambert</td>
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<td>Elizabeth Luna</td>
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**Box F: Folders 00046 – 0005B**
Hudson Hoagland and Gregory Pincus

Gregory Pincus

Bernard Pincus


Pincus Memoir: Gregory Pincus and Hudson Hoagland

WFBR: Materials for exhibits and TV show: 1945 and 2001

Gregory Pincus: 1967

Gregory Pincus portrait


10th Pincus Memorial Symposium: 10/19/1978: Elwood V. Jensen and Etienne-Emile Baulieu: portraits

James D. Watson

Anne Merrill

Box G: Folders 00057 A, B, C, D, E

Hudson Hoagland: portraits: 1940s - 1980s

Hudson Hoagland: portraits: 1940s - 1980s

Hudson Hoagland: portraits: 1940s - 1980s

Hudson Hoagland: portraits: 1940s - 1980s

Hudson Hoagland: portraits: 1940s - 1980s

Box H: Folders 58 - 63

James Watson

Pincus medal

Gregory Pincus and Hudson Hoagland

Gregory Pincus, Hudson Hoagland, Group

Gregory Pincus, Hudson Hoagland, Others; Experiments

Scientists, Experiments

Subseries B. Events (Boxes I – L: Folders 00064-00098)

Box I: Folders 64 - 71

Events: unidentified

Ladies Auxiliary of WFBR: 1950s; November 1, 1966

Horse show: 1989 - 1997

Ann Putnam Reed research laboratory: dedication and open house: 1965
Hoagland-Pincus Center Open House: June 1968

Open House: September 1977

Exploration '81: October 1981

"All About Cells" program for gifted 6th graders from Shrewsbury: February-March 1982

Box J: Folders 72 - 88

Pincus Medal: Presented to Carlos Gual Castro, M.D.

Trustees meeting: June 1965

Trustees meeting: January 15, 1966

Trustees meetings: January and November 1968

Trustees meeting: June 1970

WFBR 2004: New Trustees photographs

Pincus Medal: August 15, 1969

Washington DC Delegation: January 1978

Great moments in medicine

50th Anniversary events: David Halberstam talk: 10/20/1994

50th Anniversary events: Gertrude Elion and Bruce Alberts talk: 05/12/1994

50th Anniversary events: Betsy Dresser talk: 09/29/1994


50th Anniversary events: M.C. Chang Memorial Bench Dedication: 06/03/1994

Pincus Memorial Lectures

Pincus Memorial Lectures: Dr. and Mrs. Thaddens Mann: 02/17/1969 - 02/19/1969

Pincus Memorial Lectures: Abraham White: March 1970

Box K: Folders 89 - 96A

Hudson Hoagland Award: 1st (Thoru Pederson) and 2nd (Congressman Joe Early): 1982 - 1984

Trustees: November 1968; 1969-negatives

Cancer research building dedication: 06/02/1974

WFEB 50th Anniversary Steroid Symposium Alumni, 11/04/1994

Worcester Foundation Annual Horse Show: 1976-1977

Worcester Foundation Annual Horse Show: 1976-1977

Mimi Aaron Greenberg Cancer Research Institute (MAGCRI) dedication program: 1974


Eliahu Caspi Lectureship: 2001/2002
Box L: Folders 97 – 98

00097A Board of Trustees
00097B Board of Trustees
00097C Board of Trustees
00097D Board of Trustees
00098 Elliot Richardson, U. S. Secretary of Health, Education, and Welfare

Subseries C. Buildings (Boxes M – Q: Folders 00099-00137)

Box M: 99 - 110

00099 Barn: July 1971
00101 Stoddard building entrance, negative
00102 Hoagland-Pincus Center
00103 Endocrine clinic
00104 Gut lab, May 1970.
00105 Hoagland-Pincus Center: conference rooms: 1967
00106 Ann Putnam Reed research laboratory: dedication and open house: 1965
00107 Reed building
00108 Rose and Gordon Research laboratory dedication: 06/02/1974.
00109 Rose and Gordon Research laboratory: 1975
00110 Chapin Higgins Memorial building

Box N: Folders 111 - 117

00112 Stoddard - cancer building
00113A Outside views of WFEB campus: 1939 – 1982
00113B Outside views of WFEB campus: 1939 – 1982
00113C Outside views of WFEB campus: 1939 – 1982
00114 WFEB signs
00115 Wings A & B
00116 Worcester Foundation buildings
00117 Wall Mural - Lobby (Hoagland-Pincus Center)

Box O: Folders 118 - 121

00118 Hoagland-Pincus plaque
00119  Hoagland-Pincus Center Foyer
00120A Hoagland-Pincus Center
00120B Hoagland-Pincus Center
00120C Hoagland-Pincus Center
00121  WFEB buildings: Miscellaneous negatives

**Box P: Folders 122 - 127**

00122  WFEB buildings: Miscellaneous.
00123  WFEB aerial views
00124  WFEB Aldus Chapin Higgins Memorial Building (administrative buildings):
       1950s - 1960s
00125  Building plaque: American Cancer Society
00126  Endocrine clinic

**Box Q: 128 - 137**

00128  Hoagland-Pincus Center Library
00129  Hoagland-Pincus Center Cafeteria: 1967.
00130  Harvey house
00132  WFEB various old buildings: 1946 - 1960s.
00134  WFEB Buildings: Plumbing house and the floor plan of unknown building.
00135  Historical photographs of WFEB: 06/01/1967.
00136  Aerial photographs of WFEB
00137  Shaarei Torah West renovation - floor plan.
00137A. Clinical test sites: Haiti; Humacao, Puerto Rico

**Subseries D. Miscellaneous (Boxes R –S: Folders 138 – 146)**

**Box R: Folders 138 - 140**

00138  Unknown/unidentified events, people, buildings.
00140  Photograph contact sheets: events, portraits: 1993 - 1996.

**Box S: Folders 141 - 146**

00142 Photograph contact sheets: events, portraits: 1996.
00143 Margaret Sanger: circa 1930-1949.
00144 Mrs. Albert Lasker
00145 Magnified cells: Retrovirus; Microtubules
00146 Articles about birth control pill, Hudson Hoagland-negatives
00147 Katharine Dexter McCormick, c. 1903

Photographs - Oversize
Aerial views; Hudson Hoagland; Group of early scientists; Unidentified Staff/Students; Rabbit
Board of Trustees, 1999
Sign, Worcester Foundation 1944, 12” by 12”

Photographs - Framed
Board of Trustees University of Massachusetts Medical School Research Advisory Council, 2005-2006
Board of Trustees/Research Advisory Council, Winter 2000

Series 18: Audio/Visual Materials (Box V)
Subseries A: Audio
- Jane Brody: 4/9/87
- Michael Novacek: 5/8/97
- O’Connell
- Caspi Lecture: 2002 (CD)

Subseries B: Video/DVD
- "The birth control pill": Nova Series: 03/19/1977, WQED-TV, 2 copies
- “The Pill for the People”: NOVA: 03/09/1977, WGBH, Boston
- “Worcester Foundation for Experimental Biology”: Warner & Forman
- “Worcester Foundation for Experimental Biology”: Warner & Forman
- “Worcester Foundation for Experimental Biology - To Continue The Search”: ¾” Master Tape
- “Worcester Foundation for Experimental Biology - To Continue The Search II”: 2 copies
- “Worcester Foundation for Experimental Biology - To Continue The Search”: copy of slide tape
- “The Story of Worcester Foundation for Experimental Biology”: 10/95 C & 10 95 M: 3 copies of each
• “First Annual Mahlon Hoagland Distinguished Lecture – given by Lewis Thomas, M.D, at the Worcester Foundation”: 10-3-86: 2 copies
• “Hybridon Corporate Video,” Paralax/Hill & Knowlton: 6/21/93
• “Worcester Foundation,” Envision: 2 copies
• “Enovid – A Documentary of 10 Year’s Research”: 7/96 M
• “Fire-Fighting Demonstration”: 7/96 M and 7/96 C
• “This is Worcester,” A Production of Norton Company
• “Dr. Gregory Pincus” – Royal Society of London, England: May 4, 1966 - 6 copies
• “The Pill” – 9/95 C
• Milestones in science and technology – Part 52 – The “Pill” – Adolph Butenandt and the sexual hormones: 1996 – German language
• “A New Opportunity for Women: Knowing Your Risk for Breast Cancer” and “STAR: The Study of Tamoxifen and Raloxifene”
• Pincus Medal Award Ceremony: Recipient: Seymour Lieberman. Manhattan NY, April 13, 2009

Subseries C: Floppy Disk/Compact Disc
• “The History of the Birth Control Pill: People, Policies, Principles and Progesterone,” by Lawrence C. Zoller: 3 ½” floppy disk
• “Pill History PPT”: 3 ½” floppy disk
• “Board Member Election Dates”: 5 ¼” disk
• Rat test results: Pincus: compact disc

Series 19: Slides

Binder 1: Slides of scientists and campus buildings

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4 5 3  M.C. Chang

**Slide Binder:** Study data

**Binder 2**
1. Animal Data Long Term: slides 1 – 5
2. Blood: slides 6 – 12
7. Cancer (page 2): slide 67
8. Chlosma, Hirsutism, Varices: slides 68 – 70
9. Comparative Study: slides 71 – 79
11. Contraceptive’s Metabolism Effects on Adrenal Function Excretion in Milk (page 2): slides 100 – 106
12. CT of Ovaries Smears, Siallic Acid Follicles: slides 107 – 115
13. Enovid and “Seer” Rates etc. ACTH: slides 116 – 131
15. Ethynodiol: slides 137 – 142
16. Ethynodiol & Enovid Older Fertility Data: slides 143 – 151
17. Fertility: slides 152 – 157

**Binder 3**
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2. Lab Test, Liver etc.: slides 176 – 179
3. Libido and Various Physical Conditions: slides 180 – 192
4. Long Term (page 1): slides 193 – 212
5. Long Term (page 2): slides 213 – 218
7. Menstrual Phenomena Contraceptive Effects: slides 228 – 238
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15. Oral Contraceptives Summary of Long Term Effects: slides 303 – 316
17. Pap smears: slides 320 – 327
18. Thyroid and Contraceptives: slides 328 – 332
19. Reactions: slides 333 - 337

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1. Eye Fundus-color slides #1: 04-01-1964: Access Restricted
2. Eye Fundus-color slides #2: 04-17-1964: Access Restricted
3A. Eye Fundus-color slides #3A: Access Restricted
3B. Eye Fundus-color slides #3B: Access Restricted
5. Eye Fundus-color slides #5: 05-26-1964: Access Restricted
7. Eye Fundus-color slides #7: 06-16-1964: Access Restricted
8. Eye Fundus-color slides #8: 06-29-1964: Access Restricted

Box B
2. Eye Fundus-color slides: II: April 1963: Access Restricted
5. Transparency slides (3): undated
7. Great Moments in Medicine: 1985
8. Great Moments in Medicine: 1985

Box C (Glass Slides), 1-66
1. Aerial of campus
2. Aerial of campus
3. Aerial of campus
4. Barn at Clark University (where WFEB was originally established)
5. Aldus Chapin Higgins Memorial Building
6. Stoddard Building
7. Stoddard Building
8. Unidentified building
9. Group of early scientists
10. Unidentified men
11. Analysis of Endometria in Longer Term Treated Patients
12. Analysis of Endometria in Longer Term Treated Patients
13. Normal/Schizophrenic
14. Normal/Schizophrenic
15. The Mean Excretion of Neutral Non-Ketonic Steroids
16. The Mean Total Response Index (TRI) Values
17. Mean Changes in Free & Bound 17-OH-Corticosteroids Over Control
18. Untitled
19. Excretion of NA & A After ACTH
20. Conception in Subjects
21. Relation of PS/17KS Excretion
22. Unidentified Cells: Access Restricted
23. Unidentified Cells: Access Restricted
24. Unidentified Cells: Access Restricted
25. Unidentified Cells: *Access Restricted*
26. Variations in Menstrual Cycle Length
27. Unidentified Cells: *Access Restricted*
28. Unidentified
29. Classification of Reactions
30. Non Saponifiable Lipids
31. Companions of Cholesterol
32. Guinea Pig & Hamster Cholesterol
33. Total Cholesterol Specific Activity
34. Oxidation of Cholesterol
35. Purification of Commercial Cholesterol
36. Untitled
37. Biosynthesis of Cholesterol C\textsuperscript{14} in Young and Old Rats
38. Hamster: Transplanted Tumor
39. Intravenous Injection of Cholesterol C\textsuperscript{14} in Rats
40. Biogenesis of Cholesterol in Rats Fed Nicotinic Acid
41. Cholesterol in Cold Stressed Rats
42. Biogenesis of Cholesterol in Pregnant Rats and Fetus
43. Squalene
44. Untitled
45. Wavelength
46. Mixture of Squalene
47. Non Saponifiable of Pig Liver Perfusion
48. Fraction from 2\textsuperscript{nd} Paper Chromatogram
49. Liver Cholesterol
50. Incubation of Yeast-Homogenates with Squalene
51. Perfusion of Pig Liver – Time Experiment
52. Counts for Tissues of Rats from Experiment 1
53. Alkaline Hydrolysis of Liver Perfusions
54. Digitonin Precipitable HCC
55. Distribution of Cholesterol C\textsuperscript{14} and Digitonin-Precipitable HCC
56. Rat Hepatoma
57. Alkaline Hydrolysis of Yeast
58. Biosynthesis of Cholesterol in Rats
59. Cholesterol
60. Distribution of C\textsuperscript{14} in Cholesterol of Different Origin
61. C\textsuperscript{14} Cholesterol from Organs of Swine
62. Urethane Effect on Biosynthesis of Cholesterol C\textsuperscript{14} in Swiss Mice
63. Cholesterol Distribution in Different Tissues & Varying Times
64. Biosynthesis of Cholesterol in Pig’s Blood
65. Free & Esterified Cholesterol C\textsuperscript{14} in Rats
66. Untitled

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67. Untitled
68. Separation of Lipoids
69. Experiments with Zymosterol C\textsuperscript{14}
70. Untitled
71. C\textsubscript{27} Steroids Isolated from Organ Extracts
72. Untitled
73. Incubation of Citrated Pig Blood
74. Distribution of Counts in Pig Liver Perfusion
75. Effects of SC-4642 on Urinary FSH
76. Untitled
77. Untitled
78. Ovulation Indices & Steroid Excretion
79. Incidence of Breakthrough in First & Later Cycles of Administration
80. Analysis of Reactions
81. Incidence of Side Effects in First & Later Cycles of Administration
82. Miscellaneous Cases
83. Effects of Estrogen Supplementation of Pure Ethinylestradiolone (II)
84. Percentage Changes Over the Control Values in 17-Ketosteroid & Pregnanediol Outputs
85. Incidence of Reactions
86. Rx: 19 Nor Steroids
87. Rx: 19 Nor Steroids
88. Rx: 19 Nor Steroids
89. Steroid Excretion of Male Subjects Receiving SC-4642
90. Adrenocortical Hormones Measurement in Men
91. Untitled
92. Untitled
93. Steroid Transformations Achieved in Homogenates
94. Steroids Isolated from Adrenal Tissue Extracts
95. Effect of A.T.P on Cholesterol Metabolism by Mitochondria
96. Products of C\textsuperscript{14} Cholesterol Metabolism
97. Effect of Ascorbic Acid on Cholesterol Metabolism
98. Adrenal Cancer
99. Cushing’s Syndrome
100. Adrenogenital Syndrome
101. Effect of Administration of ACTH on Concentration of Corticosterone and Hydrocortisone
102. Diurnal Changes in Steroid Excretion in Female Subjects
103. Diurnal Changes in Steroid Excretion in Male Subjects
104. Steroid Secretion by Control and Schizophrenic Subjects
105. Mass Spectrometer Analyses of D\textsubscript{2}O Experiment
106. Mass Spectrometer Analyses of H\textsubscript{2}O\textsuperscript{18} Experiment
107. Mass Spectrometer Analyses of the O\textsubscript{2}\textsuperscript{18} Experiment
108. Untitled
109. Calculated Daily Production of Steroid Hormones
110. Effects of Combinations of 17a-Methyltestosterone, 17a-Ethyl-19 Nortestosterone, and Hydrocortisone on Elderly Males
111. Effects of Medication with 17a-Methyltestosterone and 17a-Ethyl-19 Nortestosterone on Elderly Males
112. Effects of Medication with Combinations of 17a-Ethyl-Nortestosterone with Methyltestosterone and Hydrocortisone on Elderly Males
113. Effects of Medication with 17a-Methyltestosterone and 17a-Ethyl-19-Nortestosterone on Elderly Males
114. Weightlifting and 17-Ketosteroids
115. Untitled
116. Calculated Daily Production of Steroid Hormones
117. Actual and Calculated Median Ages of Various Types of Patients
118. Untitled
119. Untitled
120. Untitled
121. Untitled
122. Untitled
123. Androgen
124. Untitled
125. Total Estrogen
126. Neutral Reducing Lipid
127. Untitled
128. Untitled

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130. Excretion of NA & A After ACTH
131. Actively Skating Players – 100 mg Creatinine
132. Actively Skating Players – 100 mg Creatinine
133. Actively Skating Players – 100 mg Creatinine
134. Goalie – 100 mg Creatinine
135. Correlation Coefficients
136. Untitled
137. Aldosterone Excretion
138. Image of Cells: *Access Restricted*
139. Menstrual Cycle Lengths
140. Variations in Duration of Menstrual Flow
141. Progesterone Inhibits Testosterone
142. Libido
143. Weight
144. Dysmenorrhea
145. Puerto Rico
146. Puerto Rico
147. Rates of Withdrawal
148. San Juan Follow-ups Suing Contraceptives
149. San Juan Cases
150. San Juan Reactions
151. Tablet Taking
152. Case Tallies
153. Incidences of Pregnancies – Puerto Rico Subjects
154. Reasons for Discontinuing Enovid Medication
155. Life Expectancy at Birth
156. World Population Growth, 1000-1955
157. Four Stages of Transition
158. Analyses of Pregnancies in Puerto Rico Series
159. Untitled
160. San Juan-Cycle Lengths
161. San Juan-2 ½ mg. Dose
162. San Juan-5 mg. Dose
163. San Juan-2 ½ mg. Dose Cycle Lengths
164. Humacao-R Cycle Lengths
165. Humacao-P Cycle Lengths
166. Haiti Cycle Lengths
167. San Juan – 5mg. Dose Cycle Lengths
168. 5mg. Dose
169. Cortisol (F) Inhibits Testosterone (T) Action on L.A. Muscle
170. Untitled
171. Variations in Cycle Length
172. Untitled
173. Variations in Cycle Length
174. Implantation in Ovariectomized Rabbits Receiving Progestins
175. Untitled
176. Effects of Various Compounds on Mating & Pregnancy in Rats
177. Effects of Various Compounds on Mating & Pregnancy in Rats
178. Untitled
179. Summary of Puerto Rico Cases
180. Analysis of Puerto Rico Data on Medication with SC-4642
181. Analysis of Tablet Taking in Puerto Rico Data
182. Short Cycles & Reactions Arranged According to Cycles of Medication
183. Variations in Cycle Length
184. 4-Hydroxyprogesterone (4-P) and Testosterone (T)
185. 19-Norethynyltestosterone (19-N) and Testosterone (T)
186. Unidentified Cells: Access Restricted
187. 4-Hydroxyprogesterone (4-P) and Testosterone (T)
188. Unidentified Cells: Access Restricted
189. 4-Hydroxyprogesterone (4) and Testosterone (T)
190. Nilevar 30mg
191. 17-Ketosteroid and Pregnanediol Values
192. Mean Cycle Lengths and Breakthroughs
193. Comparison of Doses of Progesterone and 19-Nor Steroids on Activity

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195. Unidentified Cells
196. Effects of Oral Progesterone-Estrogen and Norethynodrel-Estrogen on Steroid Excretion
197. Effects of Oral Progesterone-Estrogen and Norethynodrel-Estrogen on Blood Corticosteroids
198. Women Discontinuing Enovid Because of Reactions
199. Incidence of Cycles Less than 24 Days in Various Groups of Patients
200. Diurnal Variation of NE and E Excretion of Six Normal Subjects
201. Percentage Increase of Day Sample Over Night
202. Comparison of the Mean Urinary Outputs of Various 17-Ketosteroids
203. C\textsuperscript{14} Progesterone
204. Radioactivity of Adrenal-Free Cholesterol Fraction and Derivatives
205. Radioactivity of Cortical Hormones and Their Derivatives
206. Untitled
207. Untitled
208. Incorporation of C\textsuperscript{14} Cholesterol into Corticosteroids
209. C\textsuperscript{14} Progesterone F & B
210. C\textsuperscript{14} Acetate F & B
211. Average Menstrual Cycle Lengths in Control & Experimental (E) Cycles
212. Effects of Progesterone-Estrogen on Steroid Excretion
213. Effects of Progesterone-Estrogen on Indices of Ovulation
214. Effects of Progesterone-Estrogen on Blood Steroids
215. Effects of 17-Ethinyl Estraenolone on Steroid Excretion
216. Effects of 17-Ethinyl Estraenolone on Blood Steroids
217. Comparison of Glycogenic Activity with Corticosterone Content in Perfusates
218. Recirculation of DOC Perfusates Through Adrenal
219. Glycogenic Activity of Bovine Adrenal Perfusates
220. Steroids from Human Adrenal Perfusates, Before and After Perfusion with ACTH
221. Untitled
222. Untitled
223. Untitled
224. Capacity of Bovine Adrenal to Produce 11 Oxy Steroid
225. Effect of DOC Concentration Upon Rate of 11 Hydroxylation
226. Effect of Blood Flow Upon 11-Hydroxylation
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229. Specific Activities of Cortical Hormones and Their Derivatives
230. Rate of 11-Hydroxylation at Varying Intervals of Perfusion
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232.Untitled
233. Products of C-21 Steroid Perfusion
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235. Effect of Intrarterial Injection of Epinephrine HC 1
236. Recovery of Steroids From Adrenal Perfusates and From Non-Perfused Blood
237. Reactions Effected by the Isolated Perfused Adrenal
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239. Compounds Isolated Following the Perfusion of Various Steroids
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241. F.S. Content of Perfused and Non-Perfused Glands Relative to F.S. Released
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243. Alpha-Ketols After ACTH Beef Glands
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247. Untitled
248. Effects of 17-Ethynyl Estraenolone on Menstrual Cycle Length
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255. Rate of Cortisone Utilization by Perfused Rat Liver

256. Disappearance of Various Functional Groups Relative to Added Cortisone

257. Reactions Effected by Isolated Perfused Adrenal

258. Untitled

259. Untitled

260. Untitled

261. Compounds Identified in Human Adrenal Vein Blood

262. Content of Various Steroids in Peripheral and Adrenal Vein Blood

263. Content of Saturated Ketols Seen in Peripheral and Adrenal Vein Blood

264. Content of Various Steroids in Peripheral and Adrenal Vein Blood

265. Content of Various Steroids in Peripheral and Adrenal Vein Blood

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268. Effect of ACTH on Corticosteroid Output of Human Adrenals

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270. Content of Various Steroids

271. Content of Various Steroids

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273. Corticosteroids in Human Peripheral and Adrenal Vein Blood

274. Corticosteroids in Perfusates from Human Adrenal Glands

275. ACTH Perfused Through Human Adrenals

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277. Corticoids in Perfusates from Human Adrenal Glands

278. Corticoids of Human Urine

279. Mean Formaldehydegenic Substance Concentration Following Glucuronidase Hydrolysis of Urine.

280. Corticoids of Human Urine

281. Corticoids of Human Urine

282. Daily Output of Corticosteroid in Schizophrenic Subjects

283. Mean Output of Formaldehydegenic Substance in Three Major Fractions

284. Compounds Indicated by Paper Chromatography Analysis

285. Mean Output

286. Daily Output of Corticosteroid in Normal Subjects

287. Percentage of Total RL and FS in Latest Chromatographic Eluates
288. Untitled
289. Ratios of Mean Amounts RL and FS in Later Chromatographic Eluates
290. Steroid Recovery
291. Untitled
292. Untitled
293. Untitled
294. Untitled
295. Untitled
296. Untitled
297. Untitled
298. Untitled
299. Untitled
300. Untitled
301. More Polar Compounds in Order of Increasing Running Rates
302. Summary of Corticoids in Human Urine and in ACTH Stimulated Human Adrenal Perfusates
303. Paper Chromatographic Pattern of More Polar Fraction
304. Paper Chromatographic Pattern of Most Polar Fraction
305. Corticoids Obtained from Human Synovial Fluid
306. Silica Gel Chromatogram Fractions Before and Following Adrenalectomy
307. Excretion of Formaldehydogenic Substance (FS) Pre and Post Bilateral Adrenalectomy
308. Paper Chromatographic Pattern of Less Polar Fraction
309. Urinary Corticosteroid Analysis
310. Steroidal Substances in Urine Preceding and Following Adrenalectomy
311. Less Polar Compounds in Order of Increasing Running Rates
312. Most Polar Compounds in Order of Increasing Running Rates
313. Most Polar Compounds in Order of Increasing Running Rates
314. More Polar Compounds in Order of Increasing Running Rates
315. Less Polar Compounds in Order of Increasing Running Rates
316. Development of Silica Gel Chromatography
317. More Polar Compounds in Order of Increasing Running Rates
318. Urinary Indices of Adrenocortical Response to ACTH
319. Mean Basal Values of Certain Indices of Adrenocortical Activity
320. Mean Values of Various Indices for Improved and Un-Improved Alcoholic Subjects
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322. N.R.L.
323. 17-KS
324. Nilevar 30mg
325. Urinary Output Before and After Medication
326. Effect of Placebo and Nilevar Medication on Clinical Test Levels
327. Effect of Placebo and Nilevar Medication on Urinary Output
328. Non Ketonic
329. SB KS
330. Total Estrogen
331. Unidentified Image
332. Photoperiodic Requirement and Gestation Period
333. Nilevar 60mg
334. Urinary Output – Nilevar 30mg
335. Effect of Placebo and Nilevar on Hormonal Output
336. Average Cycle Lengths in Control and Experimental Cycles
337. Analysis of Tablet Taking in Puerto Rico
338. Untitled
339. Responsivity to ACTH
340. Untitled
341. Untitled
342. Untitled
343. Table III
344. Untitled
345. Untitled
346. Table IV
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353. Effects of 19-Nor Steroids on Mating and Pregnancy
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Metabolism of Testosterone
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Urinary 17-Ketosteroid Excretion
Nilevar 60mg
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394. Major Results
395. Experimental Superfetation in Rabbit
396. Effect of Inhibitory Substances and Metabolites on Respiration of Ova
397.Untitled
398. Ratio of Major Steroids in Adrenal Vein Blood of Various Species
399. Trace of Corticosteroids Present in the Adrenal Blood of Various Species
400. Untitled
401. Untitled
402. Untitled
403. Untitled
404. Untitled
405. Untitled
406. Untitled
407. Pipetting Device
408. Development of Blastocysts Transplanted
409. Developmental Changes in O\textsubscript{2} Uptake of Fertilized Rabbit Ova
410. Neutral Reducing Lipids
411. Untitled
412. 17-Ketosteroids
413. Untitled
414. Untitled
415. Untitled
416. Untitled
417. Untitled
418. Untitled
419. Untitled
420. Untitled
421. Untitled
422.Untiled
423. Untitled
424. Untitled
425. Untitled
426. Untitled
427. Untitled
428. Untitled
429. Lymphocytes
430. Various Components of the Urinary 17-Ketosteroid Mixture
431. Untitled
432. Untitled
433. Comparison of Prestress (Basal) Values of Various Urine and Blood Constituents
434. Relation of Age to Non-Ketonic and N.R.L. Excretion Values
435. Relation of Age to 17-KS Excretion Values
436. 17KS. – Sb – MG/HR
437. Non-Ketonic Steroid – MG/HR
438. Neutral Reducing Lipid – MG/24 HR
439. KS – Z – MG/24 HR
440. Estimation of Glandular Production of Steroids from Urinary Data
441. Methods Employed in Investigation of Adrenocortical Secretion
442. Solvent Systems for Paper Chromatography of Cortisone and 17-Hydroxycorticosterone
443. Untitled
444. Untitled
445. Formaldehydogenic Lipids
446. Untitled
447. Untitled
448. Untitled
449. Untitled
450. Untitled
451. Table I
452. Data for Calculation of Steroid Hormone Production

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Analysis of Change: Sign Test

Androgen

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Table XII

Frequency of the Occurrence in Glucuronidase – Hydrolized Urines

Changes in 17-Ketosteroid Excretion with Therapy

Steroid Analysis of Adrenal Vein Blood

ACTH Action

Table IV

Table VIII

Production of Corticosteroid In Vivo and In Vitro

Steroids in Adrenal Vein Blood

Estimation of Glandular Production of Steroids from Urinary Data

Comparison of Adrenocorticosteroid Output Rates

Table XXIX

Changes in Interstitial Gland of the Rabbit Ovary

Untitled

Untitled

Table I

Table III

Ketols Present in Adrenal Perfusates

Table VII

Untitled

Untitled

Untitled

Untitled

Untitled

Mean Loss of ACTH Activity

Mean Loss of ACTH Activity

Untitled
488. Effects of Various Dosages and Methods of Administration of Microcrystalline Progesterone
489. Effects of Various Dosages and Methods of Administration of Ethinyl Testosterone
490. Effects of 17-Methyl Progesterone on Ovulation in Rabbit
491. Effect of Oral Administration of Ethinyl Testosterone on Ovulation, Fertilization, and Implantation in Rabbit
492. Effects on Ovulation in Rabbits of Deposition of Progesterone, 17a-Hydroxyprogesterone, and Allopregnene
493. Effects of Macrocristalline Suspension of Progesterone Injection
494. Effects of Various Dosages and Methods of Administration of 17-Methyl Progesterone
495. Inactive Compounds
496. Active Compounds
497. Untitled
498. Effects on Ovulation of Various Pregnane and Allopregnane Derivatives
499. Urinary Reducing Steroids as Determined by Phosphomolybdic Acid Reaction

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002. Variations in Endocrine Status Occuring in Women Taking an Oral Norethynodrel-Estrogen Combination
003. Incidence of Anaplastic Papanicolaou Smears in Contraceptive Users
004. Number of Pregnancies per 100 Years of Exposure to Various Methods of Contraception
005. Comparisons of Reasons for Leaving Given by Subjects in San Juan, Puerto Rico
006. Percentage Increases of Food Supply Needed 1958-1980
007. Number of Hours of Work Required for an Average Factory Worker to Earn the Cost of Three Representative Diets for One Person for One Day
008. Rate of Occurrence of Anaplastic Smears in Contraceptive Users
009. All Drop Outs for All Reasons
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011. Progestins
012. Effects
013. Effects
014. Effects
015. Effects
016. Population of World
017. Percent of Study Population Listed as Inactivated
018. Percent Population Increases by Major Regions, 1900 to 2000
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054. Plasma Corticosteroid Values in Enovid Users
055. Plasma Corticosteroid Values in Enovid Users
056. Mean Values in IU of LH per Liter
057. Urinary Gonadotropin Excretion
058. Minimum Effective Ovulation-Inhibiting Dose
059. Increases in Aggregate Income Necessary to Match 1950 per Capita Incomes by 2000
060. Suppression of PMS – Induced Ovulation
061. Ovulation Inhibition by Reserpine and Derivatives
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063. Active Cases in the Maternal Health Study
064. Percentages of Active Cases Listed as Reactivated
065. Charts about Gestagens
066. Pituitary Cytology of Rats Receiving Ethymodiol Diacetate and Metranol
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068. Effects of Various Steroids
069. Urinary Gonadotropin Excretion
070. Untitled
071. Mean Ratios of Pregnanediol Excretion Values in Urine Collections
072. Untitled
073. Untitled
074. Effect of Compound V Injected on Different Dates
075. Untitled
076. Untitled
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079. Untitled
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081. Untitled
082. Proportion of Patients Leaving Exposed to Risk of Conception
083. Number of Births
084. Untitled
085. Admission Form
086. Untitled
087. Antispermatogenic Steroids
088. Implantation Inhibiting Steroids of Special Interest
089. Implantation Inhibiting Steroids of Special Interest
090. Untitled
091. Effect of Estradiol 17
092. Ovulation Inducing Potentials of Progesterone and Some Common Progestens
093. Effect of X-Rays on Urinary Concentrations of Cortisol
094. Correlation Between Estrogenic and Antiovulatory Activities
095. Antiovulatory Activity of Several Estrogens
096. Untitled
097. Steroid Excretion by Contraceptive Users
098. Steroid Excretion by Contraceptive Users
099. Stressor Agents
100. Effects of Oestrone on Movement of Rat Ova
101. Effects of Oestrone on Movement of Rat Ova
102. Effects of Oestrone on Movement of Rat Ova
103. Tables
104. Effects of Progesterone and Related Compounds on Ovulation
105. Some Effects of Progesterone and Related Compounds
106. Field Study with Enovid as a Contraceptive Agent
107. Comparison of Within Man and Between Man Variances in Urinary 17-Ketosteroid Output Values
108. Untitled
109. Effects of Oesterone on Movement of Rat Ova
110. Untitled
111. Estrogen Reverses Norethindrone Blockade
112. Ovulation Response of Estrous Rabbits to Exogenous LH
113. Doses of Several Gestagens Necessary for Different Effects
114. Untitled
115. Untitled
116. Untitled
117. Antispermatogenic Steroids
118. Antispermatogenic Steroids
119. Statistics of Abortion in Santiago
120. Plasma Corticosteroid Values Preceding and During Medication
121. Plasma Corticosteroid Values Preceding and During Medication
123. Steroid Excretion by Users of Enovid and Control Subjects
124. Steroid Excretion by Users of Enovid and Control Subjects
125. Siallic Acid Concentration

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126. Siallic Acid Concentration
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129. Compounds Ineffective in Inhibiting Superovulation
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135. Worcester State Hospital
136. Worcester State Hospital
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138. Puerto Rican Samples
139. Mean Values in IU of LH per Liter
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148. Untitled
149. Inactive “Inverted” Steroids
150. Untitled
151. Progestins
152. Endocrine Target Organ Weights in Rats Fed Enovid
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189. Untitled
190. Table 30
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193. Table 22
194. Table 8
195. Table 9
196. Table 10
197. Table 27
198. Table 23
199. Unidentified
200. Unidentified
201. Number of Cases by Dose and Cycle – Rio Piedras - 1961-1966
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203. Table 7
204. Table 25
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207. Number of Cases by Dose and Cycle – Rio Piedras – 1956-1966
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209. Alkaline Phosphatase
210. Thymol
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212. Amenorrhea
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217. Hematocrit
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221. Table
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223. Humacao
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228. Table
229. Table
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236. Chart
237. Chart
238. Chart
239. Chart
240. Chart
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242. Chart
243. Mean Ration of Excretion of THF, ALLO-THF, and THE per 24 Hours
244. Untitled
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246. Untitled
247. Serum Lipid Spectrum
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Series 21: Worcester Foundation Auxiliary, 1946 - 2000 (Box 16)

  Scrapbooks (3)

Series 22: Artifacts (Box 16)

  Image of barn at Clark University- wooden block