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## **William Frederick Windle Papers, 1898-1986.**

Processed by Pat L. Walter; machine-readable finding aid created by Caroline Cubé

Louise M. Darling Biomedical Library

History & Special Collections Division

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### **Note**

Biological and Medical Sciences --Biological Sciences --NeuroscienceGeographical (By Place) --United States (excluding California)

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## Register of the William Frederick Windle Papers, 1898-1986.

### Manuscript Collection No.: 112

Louise M. Darling Biomedical Library  
History & Special Collections Division

University of California, Los Angeles  
Los Angeles, CA

#### Contact Information

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Processed by:

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Date Completed:

1997

Encoded by:

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#### Descriptive Summary

**Title:** William Frederick Windle Papers,

**Date (inclusive):** 1898-1986.

**Manuscript Collection No:** 112

**Creator:** Windle, William Frederick

**Extent:** 31.5 linear feet (18 cartons + 2 boxes + 10 film boxes)

**Repository:** Louise M. Darling Biomedical Library. History and Special Collections Division

University of California, Los Angeles

Los Angeles, CA 90095-1798

**Shelf location:** For current information on the location of these materials, please consult the library's online catalog.

**Language:** English.

#### Source of Acquisition/Provenance

This collection and \$1,000 were donated in 1985 to the Neuroscience History Archives of the Brain Research Institute, University of California, Los Angeles by Ella Grace Howell Windle, Dr. Windle's widow, according to the wishes expressed in his will. The materials and funds were later transferred to the History and Special Collections Division of the Louise M. Darling Biomedical Library, which serves the UCLA health and life sciences community.

#### Restrictions on Access

One patient record (Box 4, Folder 7) is closed until 2041 A.D.

#### Publication Rights

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**Preferred Citation**

[Identification of item], William Frederick Windle papers (Manuscript collection 112). Louise M. Darling Biomedical Library History and Special Collections Division, University of California, Los Angeles.

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**Conservation Note**

Photographs and negatives have been individually sleeved in Mylar. Newspaper clippings have been photocopied onto permanent durable paper. Films are housed in archival boxes, but should be rewound onto new reels before use.

**Biographical Note**

William Frederick Windle, Ph.D., D.Sc. (1898-1985), born and educated in the U.S. Midwest, became an eminent neuroscientist working on both coasts and welcomed internationally. Dr. Windle did his undergraduate studies at Denison University in Ohio. His plans for a medical career were turned aside after two years in medical school by his long and fruitful collaboration with Stephen Walter Ranson of the Institute of Neurology, Northwestern University. That collaboration started in 1921, led to Windle's Ph.D. degree in anatomy from Northwestern and, some twenty years later, to the directorship of that same Institute of Neurology.

In 1946 Dr. Windle left Northwestern to become founding chair of the Department of Anatomy in the new medical school of the University of Washington, from which he moved 17 months later to head the oldest American department of anatomy at the University of Pennsylvania. After two years of successful research and teaching there he assumed the position of scientific director of the Baxter Laboratories in Morton Grove, Illinois, 1951-1954.

The years from 1954 to 1963 were spent at the National Institute of Neurological Diseases and Blindness (NINDB), successively as Chief of the Laboratory of Neuroanatomical Sciences; Assistant Director, NINDB; and Chief, Laboratory of Perinatal Physiology, NINDB, Bethesda, Maryland and San Juan, Puerto Rico.

After his retirement from the NINDB in 1964, Dr. Windle moved to the New York University Medical Center as Research Professor of Rehabilitation Medicine and Director of Research, Institute of Rehabilitation Medicine. Seven years later he retired again and returned to his midwestern homeland, assuming the position of research professor at Denison University in Granville, OH. For a number of years Dr. Windle and his wife would escape the rigors of the Ohio winter by spending that time in Southern California, where Dr. Windle served as visiting professor at the UCLA School of Medicine. Dr. Windle died at his home in Granville in 1985.M

As an assistant professor at Northwestern University Dr. Windle began a series of studies on the functional and structural changes in the developing central nervous system. Continuations and outgrowths of these studies defined his research interests for the rest of his long career. Specifically, experiments on the initiation of respiration in the fetus, carried out while a visiting scientist at Cambridge University (1935-1936), started a long-running major program in fetal physiology, with examination of *asphyxia neonatorum* and its effect on the central nervous system. Much of the research carried on by Dr. Windle and many visiting scientists in Puerto Rico (ca. 1957-1966) followed the neurological and behavioral effects of neonatal asphyxiation in monkeys.

The second major research thread, sparked by a colleague's observation of intraspinal fiber regeneration after injections of bacterial pyrogens in animals, resulted in many years' work on spinal cord regeneration. Dr. Windle's enthusiasm for this problem and the energy he threw into organizing research symposia on the topic did much to raise awareness of and funding for this clinically important question.

Dr. Windle's research efforts in neonatal asphyxiation and spinal cord regeneration, with their clinical relevance for cerebral palsy and paralysis, were supported and lauded both by scientific and lay groups. Among the awards bestowed upon him were the Max Weinstein Award, United Cerebral Palsy Association, 1957; Albert Lasker Award for Basic Medical Research, 1968; Association for Research in Nervous and Mental Disease Award, 1971; William Thomson Wakeman Award, National Paraplegia Foundation, 1972; and Speedy Award, Paralyzed Veterans of America, 1972.

In addition to his high productivity and influence as a teacher, administrator and researcher, Dr. Windle also had great influence as an editor and author in neuroscience. In 1959, as the explosive growth in neuroscience research and knowledge was beginning, Dr. Windle realized the need for additional outlets for articles in experimental neuroscience. With his characteristic energy and enthusiasm, he planned and brought to eminence the journal *Experimental Neurology*. As editor-in-chief for almost twenty years (1959-1975), Dr. Windle did much to ensure this publication's high quality and importance as a major neuroscience title. He also authored successful textbooks on fetal physiology and on histology, and edited volumes on the spinal cord, CNS regeneration, and remembrances of Stephen Walter Ranson.

A fuller biography, curriculum vitae, and bibliography were published in *Experimental Neurology*, 90(1), Oct. 1985, following his death.

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## Scope and Content

The bulk of the collection consists of paper documents, plus approximately 25,000 feet of motion pictures, over 400 slides, photographs, and a few artifacts. The materials span the years 1918-1986.

Autobiographical and biographical writings, and other personal papers and photographs constitute approximately a ninth of the paper materials, and a third of the films. Editorial papers make up another quarter of the bulk. The rest of the material is related to Dr. Windle's teaching, research, and public service roles, with good coverage of his years at the National Institute for Neurological Diseases and Blindness, the New York University Rehabilitation Institute, and Denison University.

The strength of the collection lies in the window it provides on the neuroscience world as it expanded during the nineteen-fifties, -sixties, and -seventies. Specifically, Dr. Windle's research on the neurological/behavioral effects of neonatal oxygen deprivation is documented for many years, as is his work and interest in the question of spinal neuron regeneration. The papers, films, and photographs also present a valuable picture of the development, growth and, partially, the decline of the NINDB's Laboratory of Perinatal Physiology in Puerto Rico, as well as insight into the state of neuroscience research in Latin America in the 1960s and '70s.

None of the series is comprehensive. There are neurology teaching notes starting with 1931, but the record of the teaching career is very spotty, as is the available correspondence; the files contain a full correspondence record only for some of the New York University years. There is good coverage of Dr. Windle's reprints, and the background materials for some of his books is quite complete. Many of the research films cover the NINDB years, showing natural and pathological development of rhesus monkeys. The totality of documents, photographs, and films also gives an excellent overview of Dr. Windle's interactions with colleagues all over the world.

The material in the *Experimental Neurology* series is both fascinating and frustrating. The effort of finding a publisher and setting up an editorial board is partially covered. A good deal, but by no means all, of the communications between editors is available, but there are no examples of marked-up manuscripts, and editorial action can be deduced only from notes amongst reviewers and editors and the partial remains of correspondence to and from authors.

The personal papers contain little information by or about the immediate Windle family, except for Dr. Windle's memoir about his ancestors and a few letters. There are, however, twenty reels of home movies many of which are focused on family; one or two also include footage of international meetings and colleagues. Many of the films, as well as some of the photographs, lack identification of persons, places, and dates; none of the films were viewed by the processor.

## Organization and Arrangement

The manuscript and photo part of the archive was organized by the processor into the following series: I. Academic & Professional Papers (1922-1985); subdivided by Windle's institutional affiliations; II. *Experimental Neurology* --Editorial Papers (1958-1978), grouped by types of materials; III. Personal Information (1898-1986); IV. Miscellaneous Materials (1923-1972). Materials are arranged chronologically within each series or subseries. Because the collection had been moved and rehoused several times, little of the original organization remained, but Dr. Windle's original folder titles and content were retained whenever possible.

The contents of Boxes 1-10 are identified and numbered as "Folders"; Boxes 11 and 12 are "Items"; Boxes 13-20 are "Films". An overview of series and subseries can be found in the Table of Contents preceding this section.

c.v.curriculum vitae

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## I. ACADEMIC & PROFESSIONAL PAPERS, 1922-1985

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### I.A. Northwestern University Medical School, 1922-1946 (Assistant, Instructor, Asst. Professor, Assoc. Professor in Anatomy, 1922-1935; Professor of Microscopic Anatomy, 1935-1942; Professor of Neurology & Director of Institute of Neurology, 1942-1946)

#### Research, Teaching & Administrative Papers

Box 1, Folder 1

#### Windle theses 1923, 1926

##### Scope and Content Note

Master's: "The unmyelinated nerve fibers of the dorsal roots" -typescript without figures; Ph.D.: "Studies on the trigeminal nerve with particular reference to the pathway for painful afferent impulses" (very brittle); summary of Ph.D. thesis & c.v. (very brittle)

- Box 1, Folder 2                    **Neurology courses 1931-1940**  
   **Scope and Content Note**  
   course outlines & schedules; lecture notes; examinations
- Box 1, Folder 3                    **Laboratory notes 1935-1941**  
   **Scope and Content Note**  
   notes on a series of human embryo and fetus studies
- Box 1, Folder 4                    **Proposal for research in physiological embryology 1941**  
   **Scope and Content Note**  
   proposed organization of research in physiological embryology, with budget, presented to the Medical School; includes description of ongoing studies in neonatal asphyxia and of effects of early clamping of umbilical cord on infant blood, and list of pertinent publications from the Anatomical Laboratories of the Medical School
- Box 1, Folder 5                    **Annual reports, Institute of Neurology 1942-1945**  
   **Scope and Content Note**  
   annual reports from the Director to the Dean of the Medical School; future plans; report of the Director of the Inst. of Neurology to the Medical Council, 10/1944; correspondence with Dean J. Roscoe Miller
- Box 1, Folder 6                    **"A radiological study of visceral & respiratory activities of the fetus in amnio 1942 (?)**  
   **Scope and Content Note**  
   typescript, 3 p., stapled to: "Popularized [one page] version of paper by R.F. Becker, E.E. Barth, M.D. Schulz, and W.F. Windle"; and, list of slides (?) titled: "Gastrointestinal motility in cat fetuses," by C.L. Bishop and Windle
- Box 1, Folder 7                    **Correspondence 1941, 1946**  
   **Scope and Content Note**  
   Northwestern University Medical School & Memorial Hospital illustration --see Box 10, F18  
   Research motion pictures --see Box 13, films #1-#3, Box 22, film #5, Box 14, film #10  
   *Views of the Chicago Campus*, motion picture --see Box 14, film #9
- Box 1, Folder 8                    **Grants & Contracts**  
   **Contract OEMcar-68: J.W. Ward & S.L. Clark, principal investigators, 1942-1946**  
   **Scope and Content Note**  
   final report, contract OEMcar-68 with Comm. on Medical Research, Office of Scientific Research & Development: "An investigation on the influence of experimental concussion on cerebral physiology," marked "restricted"
- Box 1, Folder 9                    **Contracts OEMcmr-348 & -437, studies on concussion 1943-1945**  
   **Scope and Content Note**  
   3-ring binder: monthly & bimonthly progress reports; final reports & summaries of final reports; abstracts of publications & presentations
-

Box 1, Folder 10

**Contract OEMcmr-487 reactions of the spinal cord to injury 1945-1946**

**Scope and Content Note**

3-ring binder: bimonthly progress reports; final report& summary of final report; abstracts of publications & presentations

Certificate of appreciation from War & Navy Departments, 1947 --see Box 10, F3

**Societies & Committees**

**Scope and Content Note**

Society of the Sigma Xi membership certificate, 1923 --see Box 10, F1

American Neurological Association, associate member, 1947 --see Box 10, F2

**Lectures & Conferences**

Box 1, Folder 11

**Chicago Gynecological Society 1940**

Box 1, Folder 12

**American Medical Association Cleveland, 1941**

**Scope and Content Note**

photograph of poster presentation on "Time of clamping umbilical cord after birth" by March, Alt, & Windle

Box 1, Folder 13

**Illinois Medical Society 1942**

**Scope and Content Note**

discussion of papers by Dr. Edith Potter & by Dr. C.J. Lund

**Publications**

Box 1, Folder 14

**Outline & Laboratory Guide to Neurology 1935**

**Scope and Content Note**

publication agreement & correspondence with John S. Swift Co.

Box 1, Folder 15

**Physiology of the Fetus correspondence with Saunders publishers; some background material 1946-1948**

Box 1, Folder 16

**Reprints of Windle papers 1923-1941**

Box 1, Folder 17

**Reprints of Windle papers 1942-1947**

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**I.B. University of Tennessee, 1941 (Visiting Professor)**

Box 1, Folder 18

**Research, Teaching & Administrative Papers**

**Neurology course and research notes 1941**

**Scope and Content Note**

lecture notes, examinations; penciled lab. notes: "massa intermedia in known whole brain"

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**I.C. University of Washington, Seattle, 1946-1947 (Professor of Anatomy and Department Chairman)**

Box 1, Folder 19

**Research, Teaching & Administrative Papers**

**Beginnings of Univ. of Washington School of Medicine 1946**

**Scope and Content Note**

memoir written in 1968 in reply to a request from Univ. of Washington; negative of a class in a dissection lab

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- Box 1, Folder 20                      **Typescripts of lectures 1946 (?)**  
   **Scope and Content Note**  
Introduction to anatomy" -two versions of a 2-page welcome to the class. "Lectures in neurology," 28 p. "Concussion of the brain & spinal cord in experimental animals," labeled "Lecture IV," also read before the Montreal Neurological Soc., Dec. 5, 1946, and before the Univ. of Washington Society for Research in Medical Sciences, Nov. 1946; 23 p.
- Box 1, Folder 21                      **Washington State Board of Basic Science Examiners 1946-1947**  
   **Scope and Content Note**  
correspondence re. membership & examinations given
- Box 1, Folder 22                      **Correspondence 1945-1947**  
   **Scope and Content Note**  
mainly with Edward L. Turner, Dean of the School of Medicine; report of the Director of the Dept. of Anatomy to the Dean, Sep. 1946-Jul. 1947; budgets of the Dept. of Anatomy; staff lists of the Dept. of Anatomy & the School of Medicine; faculty handbook and supplement
- Box 1, Folder 23                      **Publications**  
   **Reprints of Windle papers 1947-1948**
- Box 1, Folder 24                      **Awards**  
   **Honorary Doctor of Science degree, Denison University 1947**  
   **Scope and Content Note**  
annual commencement program
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**I.D. University of Pennsylvania, 1947-1952 (Professor of Anatomy and Department Chairman, 1947-1951; Visiting Research Professor, 1951- 1952)**

- Box 1, Folder 25                      **Research, Teaching & Administrative Papers**  
   **Anatomy courses 1946-1949**  
   **Scope and Content Note**  
schedule of classes; examinations
- Box 1, Folder 26                      **Neurology courses 1947-1949**  
   **Scope and Content Note**  
course outlines, lecture notes, examinations
- Box 1, Folder 27                      **Anatomy Department 1948-1951**  
   **Scope and Content Note**  
departmental matters; photographs of department members, celebration (birthday ?) honoring Windle
- Box 1, Folder 28                      **Spinal x-rays, Charles Van Devere 1950**  
   **Scope and Content Note**  
7 negatives, some labeled "St. Mary's Hosp., Athens, 7-30-50 or 8-21-50"; envelope bore hand-written name, Charles Van Devere
- Box 1, Folder 29                      **Correspondence 1943-1948**  
   **Scope and Content Note**  
re. speeches, honors, etc.
- Box 1, Folder 30                      **Correspondence 1949-1950**
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Box 1, Folder 31  
Box 1, Folder 32

**Correspondence with Dr. Sidney I. Kornhauser 1947-1952**

**Correspondence with Dr. Pedro Belou 1948-1952**

**Scope and Content Note**

Director of Institute of Anatomy, Buenos Aires; for portrait, see Box 10, F5  
Research motion pictures, see Box 14, films #11-#13

Box 1, Folder 33

**Societies & Committees**

**Philadelphia Neurological Society 1948**

**Scope and Content Note**

certificate of membership  
Corresponding member, Academia Nacional de Medicina de Buenos Aires, 1950  
see Box 10, F4

Box 1, Folder 38

**Publications**

***Textbook of Histology 1947-1972***

**Scope and Content Note**

correspondence with McGraw-Hill, publishers, for editions 1-4

Box 1, Folder 27

***Textbook of Histology no date***

**Scope and Content Note**

3-ring binder: handwritten & typed text

Box 1, Folder 36

**"Mystery of mysteries: the human brain" 1949 (?)**

**Scope and Content Note**

carries pencilled note, "New York Times, Dec. 4, 1949"; 7 p.

Box 1, Folder 37

***Asphyxia Neonatorum: its relation to the fetal blood circulation and respiration and its effects upon the brain 1950***

**Scope and Content Note**

published by C. C Thomas; two photographs, fig. 8: roentgenograms of guinea pig fetuses

Box 1, Folder 38

**Reprints of Windle papers 1948-1951**

Box 1, Folder 39

**Reprints, various investigators 1950-1966**

**Scope and Content Note**

abstracts of papers presented with Windle as sponsor

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**I.E. Baxter Laboratories, 1951-1954 (Scientific Director)**

**Research & Administrative Papers**

Box 1, Folder 40

**Correspondence, publications, publicity 1951-1952**

**Scope and Content Note**

includes references to the drug Pyromen (Piromen) and its effect on spinal cord regeneration; brochure describing Baxter Labs.

Box 1, Folder 41

**News items, effects of Piromen, etc. 1949-1967**

**Scope and Content Note**

clippings from newspapers & magazines, mainly 1952  
Photograph of scale balancing two Baxter drugs, no date --see Box 10, F11

**Publications**

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Box 1, Folder 42

**Textbook of Histology 1952-1962**

**Scope and Content Note**

correspondence re. use of figures, & other matters, for 3rd edition

Box 1, Folder 43

**Reprints of Windle papers 1952-1954**

**Scope and Content Note**

includes figs. 1-4 photographs of Windle, Clemente & Chambers paper in J. Comp. Neurol., 1952.

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**I.F. National Institute of Neurological Diseases & Blindness (NINDB), NIH, 1954-1963 (Chief, Laboratory of Neuroanatomical Sciences, 1954-1960; Asst. Director of NINDBS, 1960-61; Chief, Laboratory of Perinatal Physiology, Bethesda & San Juan, Puerto Rico, 1961-1963)**

**Research & Administrative Papers**

Box 2, Folder 1

**Tremor & experimental Parkinsonism 1954-1955**

**Scope and Content Note**

correspondence re. cooperative study with Abbott Labs; Michael P. McQuillen & Earl R. Feringa: "Tremor induced in laboratory animals by drug administration", Jun.-Sep. 1955 (18 p.)

Earl R. Feringa: "Additional experiments on tremor induction with drugs", Sep. 1955, (3 p); typed script for motion picture on experiments of administering reserpine to African green monkeys & a chimpanzee; N.Y. Academy of Sciences annals on reserpine...

Box 2, Folder 2

**Research on reserpinized cats & monkeys 1956**

**Scope and Content Note**

research outline; laboratory notes; photographs & transparencies (animals #C9-091555, etc.); mss. for publications & presentations; see also Box 2, F1

Box 2, Folder 3

**Brains of normal cat 1957**

**Scope and Content Note**

negatives of gross cat brains & x-rays of skulls

Box 2, Folder 4

**Research on neonatal asphyxia of guinea pigs 1957-1959**

**Scope and Content Note**

laboratory notes & protocols, photographs, 3 dictaphone (?) disks labeled CJB to WFW, 1957

Box 2, Folder 5

**Protocols experimental designs: effects of asphyxia neonatorum in the monkey 1957**

**Scope and Content Note**

55-page typescript specifying protocols for all aspects of studies, plus earlier draft; drafts of other protocols, experimental design decisions

Box 2, Folder 6

**Collaborative investigations on the rhesus monkey 1957 (?)**

**Scope and Content Note**

documents prepared for site visit (?): 1. Protocol for collaborative investigations on the rhesus monkey; 2. Experimental design for studies of effects of asphyxia neonatorum in the monkey (listed, but not in original folder); 3. List of key personnel of project and table of organization of Laboratory of Neuroanatomical Sciences, NINDB; 4. Preliminary annual reports (of individual projects); 5. Publications related to the project; letters of comments re. the protocol

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- Box 2, Folder 7                    **Skeletal survey baby monkey 1957**  
   **Scope and Content Note**  
   two full-body x-rays of M2-050657W; also negatives & x-rays of malformed monkey(s)
- Box 2, Folder 8                    **Asphyxia neonatorum 1959**  
   **Scope and Content Note**  
   original folder labeled: "Marissa Ramirez de Arellario"; protocol labeled "neurological examination"; "Special protocol for postmortem examinations" with autopsy report for monkey #79 (M-122459), signed by H.N. Jacobson (see also Box 7, F5); typescript titled "Neurological studies & preliminary EEG report on monkeys (Macacus rhesus) subjected to asphyxia neonatorum" with pencilled inscription: "submitted by Marissa & Dave"; photographs of brain microscopy originally mounted for publication, no labels
- Box 2, Folder 9                    **Laboratory notebook 1956-1958**  
   **Scope and Content Note**  
   on cover, in pencil: "Ranch animals"; on inside cover, in ink: "Brain study, 1956"; on first page: "P.R. brains in Bethesda," with list of 9 monkey number & notes on death for some; near back, a page titled "Movies" with animal i.d. & some notes on lengths of films
- Box 2, Folder 10                   **Laboratory notebook 1958**  
   **Scope and Content Note**  
   on cover: "Monkey adult asphyxia, 1958"; photographs of gross brain & sections of monkeys #365 & 366, gross brains of #433 & 434; short strips of EKGs mounted in notebook
- Box 2, Folder 11                   **Laboratory notebook monkey #176 1960-1961**  
   **Scope and Content Note**  
   labeled also as M-081760-B; used by Dr. G. Dawes; for motion picture, see Box 28, film #36
- Box 2, Folder 12                   **Laboratory notebook monkey #180 1960-1961**  
   **Scope and Content Note**  
   labeled also as M-082660-B; used by Dr. G. Dawes; for motion picture, see Box 29, film #37
- Box 2, Folder 13                   **Laboratory notebook monkey #183 1960, 1963**  
   **Scope and Content Note**  
   labeled also as M-091360-B
- Box 2, Folder 14                   **Laboratory notebook monkey #245 1961-1962**  
   **Scope and Content Note**  
   labeled also as M-111461; photograph of gross brain
- Box 2, Folder 15                   **Protocol & clinical summary notebook monkeys early 1960s**  
   **Scope and Content Note**  
   monkeys whose lung sections were sent to Dr. Behrman

Box 2, Folder 16

**Laboratory of Perinatal Physiology 1957-1963**

**Scope and Content Note**

scientific data table on hyperfetation in cats, 1938-1939; list of off-campus centers of NIH; positions in Lab. for Perinatal Physiology, Bethesda & Puerto Rico; Europe trip report by Windle, 1963; Puerto Rico trip report by Pearce Bailey, 1963; progress reports, 1963; scientific visitors & collaborators, 1963; various scientific reports & proposals; publications from the Laboratory of Perinatal Physiology, 1957-1964; NIH job descriptions for Neuroanatomist, 1953, Asst. Director, NINDS, 1960, Chief, Lab. of Perinatal Physiology, 1961; confidential report to Dr. Stone, NIGMS; photographs

Box 2, Folder 17

**Laboratory of Perinatal Physiology 1960-1962**

**Scope and Content Note**

annual & section reports; background materials

Box 2, Folder 18

**Monkeys 1962-1964**

**Scope and Content Note**

breeding histories; needs; space plans; motion picture script; correspondence; see also Box 7, F5

Box 2, Folder 19

**Monkey #255 1963**

**Scope and Content Note**

apparently healthy animal from La Parguera, vaginal delivery, with multiple congenital defects; photographs

Box 2, Folder 20

**Psychological effects of asphyxia 1958-1963**

**Scope and Content Note**

list of monkeys used by Sue Saxon; identified transparencies: Ma-051558 (#30); identified brain micrographs: M-081760 (#176), 082660 (#180), 090860 (#181), 091260 (#182), 091360 (#183), 092760 (#190), 071761 (#224), 111461 (#245), 090762 (#326), 091362 (#327), 092462 (#331), 092662 (#332), 100162 (#335), 100362 (#337), 100562 (#339), 100862 (#341), 101762 (#345), 101862 (#346), 102662 (#349), 103062 (#351), 031463

Box 2, Folder 21

**Bilirubin 1963**

**Scope and Content Note**

draft of "The acute effects of bilirubin in newborn monkeys," by Gehrman & Hibbard; laboratory notes; photograph

Box 2, Folder 22

**Isla de Mona Puerto Rico, 1961**

**Scope and Content Note**

typescript memoir by Dr. Windle dated July 1982, titled "Mona Island for breeding chimpanzees," recounting his visit to the island in 1961; U.S. Coast Guard Pilot, Atlantic Coast, 1981, includes description of the island; reprint from Jul/Aug issue of Science 82, "Surrogate human," about desirability of breeding colonies for research chimps

Box 2, Folder 23

**Desecho Island Puerto Rico no date**

**Scope and Content Note**

4 photographs, aerial shots

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Box 2, Folder 24	<b>Primate colonies and research centers 1958-1979</b> <b>Scope and Content Note</b> Studies of primates," lecture by C.R. Carpenter delivered in San Juan, 1959, partially re. 1938 beginning of Cayo Santiago free-ranging primate colony -attached is magazine article by Arthur Koestler on "Man -one of evolution's mistakes?"; "The Cayo Santiago primate colony: its relationship to establishment of regional primate centers in the U.S.," by Windle; "History of the role of NINDB in reestablishing research with nonhuman primates in San Juan and Cayo Santiago," compiled by WFW in 1978 at the suggestion of Dr. M. Maldonado, Chancellor of Univ. of Puerto Rico Medical Center; reminiscences by James Watt re. primate colonies in Puerto Rico, and the history of the idea for a national primate center and the National Heart Institute's involvement, 1978-1979; proposal for an NIH Puerto Rico Perinatal Research Unit, 1963?; report to Congress on NIH regional primate research centers, 1962; revision of the proposal for an international laboratory of primate biology, by A. Kortlandt, 1961; background materials
Box 2, Folder 25	<b>South American trip 1961-1962</b> <b>Scope and Content Note</b> visits & lectures in Argentina, Brazil, Chile, Panama, Peru, & Uruguay; trip reports; correspondence
Box 2, Folder 26	<b>Correspondence with Geoffrey Dawes, Oxford 1958-1961</b> <b>Scope and Content Note</b> correspondence; lab notes; typescript of "A Report on work on foetal & new-born rhesus monkeys, July-Oct 1960, by Dawes, Mott, Shelley, & Jacobson, plus illustrations; Dawes reprint; a few letters to Howard Jacobson, Joan Mott, Benjamin Ross
Box 2, Folder 27	<b>Correspondence with Geoffrey Dawes Oxford, 1962-1963</b> <b>Scope and Content Note</b> also includes correspondence with Benjamin Ross, Karlis Adamson, L. Stanley James; reprints of two J. Physiol. papers by Dawes et al.
Box 2, Folder 28	<b>Correspondence &amp; papers 1956-1964</b>
Box 2, Folder 29	<b>Correspondence with R. Caldeyro-Barcia 1961-1970</b> <b>Scope and Content Note</b> see also Box 2, F25; Box 5, F2
Box 2, Folder 30	<b>Correspondence with Baxter Laboratories 1954-1963, 1974</b> <b>Scope and Content Note</b> largely with Dr. Leonard Ginger, director of research
Box 2, Folder 31	<b>Correspondence with Parke, Davis &amp; Co. 1960-1961</b> <b>Scope and Content Note</b> largely with Dr. R. N. McAlpine, re. publication of physiologic data in company files for normal rhesus monkeys; samples of data collection sheets
Box 2, Folder 32	<b>Correspondence with R.K. Richards, Abbott Labs. 1961-1964</b>
Box 3, Folder 1	<b>Correspondence with J.M. Genis-Galvez, Salamanca 1962-1970</b>
Box 3, Folder 2	<b>Correspondence with G.I. Mchedlishvili, Tbilisi 1961-1975</b> <b>Scope and Content Note</b> includes reprints & translations of Mchedlishvili, et al. papers; see also Box 5, F21
Box 3, Folder 3	<b>Correspondence with I.A. Arshavskiy 1961-1974</b>

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- Box 3, Folder 4                    **Correspondence with B.A. Lapin 1960-1971**  
   **Scope and Content Note**  
   includes photographs of monkeys from Sukhumi, USSR monkey colony, Science News Letter article re. the colony; trip report to the colony by Dr. N. Colin Macleod, mid '50(?)
- Box 3, Folder 5                    **NIH conflicts 1963-1964**  
   **Scope and Content Note**  
   (so named by Windle); correspondence leading up to & resulting from Windle's resignation from NIH; newspaper clipping  
   Research motion pictures --see Box 14-Box 18, Box 23-Box 30, films #15-#42
- Box 3, Folder 6                    **Societies & Committees**  
   **United Cerebral Palsy Research & Education Foundation, Research Advisory Board 1954-1959**  
   **Scope and Content Note**  
   general correspondence; meeting of the Board in San Juan, Puerto Rico, 1959; program & abstracts for scientific program of the meeting
- Box 3, Folder 7                    **Human Embryology and Development Study Section 1956-1957**  
   **Scope and Content Note**  
   proposals and memos re. establishing breeding colonies to provide pregnant and infant monkeys
- Box 3, Folder 8                    **NRC committees on primates 1958-1966**  
   **Scope and Content Note**  
   NRC Committee on Primates, 1958; NRC Committee on Nonhuman Primate Behavior, 1962-1966
- Box 3, Folder 9                    **Society memberships & materials 1959-1970**  
   **Scope and Content Note**  
   very partial inclusions: Amer. Academy of Neurology, 1959-1966; Amer. Assoc. of Neuropathologists, 1964; Amer. Neurological Assoc. 1970; Biological Stain Commission, 1970; National. Advisory Council on Health Research Facilities, 1964-1967(?); Amer. Physiological Soc., 1961-1970; Teratological Soc., 1964
- Box 3, Folder 10                    **Scientific Advisory Committee, Regional Primate Research Center, Univ. of Washington 1962**  
   **Scope and Content Note**  
   Corresponding member, Sociedade Brasileira de Pediatria, 1961 --see Box 10, F7  
   Symposium on Temporal Epilepsy, Buenos Aires, 1961 --see Box 10, F8  
   Commission on Drug Safety, 1961 --see Box 10, F9
- Box 3, Folder 11                    **Conferences Organized**  
   **Conference on Biology of Neuroglia 1956**  
   **Scope and Content Note**  
   program & photos of attendees
- Box 3, Folder 12                    **Conference on Asphyxia Neonatorum 1956**  
   **Scope and Content Note**  
   photographs and newspaper clippings from Puerto Rico

**Lectures & Conferences**

- Box 3, Folder 13                    **Regeneration in CNS Conference, Bethesda 1954**  
   **Scope and Content Note**  
   two 8 x 10 photographs of participants
- Box 3, Folder 14                    **"Neurological & psychological deficits of asphyxia neonatorum 1956**  
   **Scope and Content Note**  
   typescript of lecture delivered at Univ. of Michigan; see also Box 7, F1
- Box 3, Folder 15                    **American Neurological Association 1963**  
   **Scope and Content Note**  
   two versions of typescript of lecture delivered, "Experimental kernicterus in the newborn monkey"
- Box 3, Folder 16                    **"Neuropathology of certain forms of mental retardation 1963**  
   **Scope and Content Note**  
   typescripts of two versions, one presented as the Frederick Robert Zeit Memorial Lecture at Northwestern Univ. Medical School in February, the other presented at the 2nd Annual Symposium on the Mentally Retarded Child, Georgetown Univ., in May
- Box 3, Folder 17                    **Annual Rehabilitation Symposium, Toronto 1963**  
   **Scope and Content Note**  
   correspondence
- Box 3, Folder 18                    **Publications**  
   **"La asfixia perinatal experimental" 1961**  
   **Scope and Content Note**  
   published in the Contribuciones of the 9th Chilean Congress in Obstetrics & Gynecology  
   9th Chilean Congress in Obstetrics & Gynecology, member, 1961 --see Box 10, F6  
   Honorary membership in La Sociedad Chilena de Obstetricia y Ginecologia, 1961 --see Box 10, F6
- Box 3, Folder 19                    **Publications of the Collaborative Perinatal Research Project 1963-1967**  
   **Scope and Content Note**  
   lists publications coming from the Perinatal Research Branch & from 15 collaborative partners
- Box 3, Folder 20                    **Reviews of Windle books 1960-1962**  
   **Scope and Content Note**  
   C.C. Thomas publications
- Box 3, Folder 21.                    **Reprints of Windle papers 1956-1966**  
   **Scope and Content Note**  
   includes photographs of some illustrations
- Box 3, Folder 22                    **Reprints, Laboratory of Perinatal Physiology, Puerto Rico 1963-1972**  
   **Scope and Content Note**  
   reprints & typescripts, by members of the laboratory other than Windle

**Awards**

Box 3, Folder 23

**Max Weinstein Award, United Cerebral Palsy Foundation 1957**

**Scope and Content Note**

correspondence re. & arising from the award; newspaper clippings about the award & UCP generally; for plaque, see Box 12, #3

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**I.G. New York University (NYU) Medical Center, 1964-1971 (Research Professor of Rehabilitation Medicine; Director of Research, Inst. of Rehabilitation Med.)**

**Research & Administrative Papers**

Box 3, Folder 24

**Report on Collaborative Project on Cerebral Palsy... 1963**

Box 3, Folder 25

**Miscellaneous papers re. primates 1963-1971**

**Scope and Content Note**

Monkey & Man," lecture presented in New York, 1969; reprint: A. Kortland, field observations applied to chimps in zoos, 1960; proposal by Donald E. Pickering, "Preliminary proposal for a facility for Advanced Study & Research" (in Oregon), 1963

Box 3, Folder 26

**Puerto Rico monkeys 1964-1969**

**Scope and Content Note**

correspondence; correspondence re. transfer of primates & records from Puerto Rico to Welfare Island, NY; bills of lading; photographs of opening of facility at Welfare Island, 1965 ?

Box 3, Folder 27

**Brain damage in fetus & newborn from hypoxia/asphyxia 1964-1969**

**Scope and Content Note**

mss. & abstracts, some undated & unidentified as to presentation; correspondence; lab. notes, especially on EEG studies

Box 3, Folder 28

**Correspondence with Carl Zeiss, Inc. 1964**

**Scope and Content Note**

correspondence re. move of equipment from Bethesda; price lists; booklets for operation microscope & for electron microscope EM9

Box 3, Folder 29

**Communications 1964-1965**

**Scope and Content Note**

reprint of Annenberg School of Communications symposium, "Communications & medical research"; descriptions of NYU Institute of Physical Medicine & Rehabilitation communications facilities & activities

Box 3, Folder 30

**Policies on experimental subjects 1965-1966**

**Scope and Content Note**

federal legislation on lab animals; NYU instructions for clinical research involving humans; booklet titled "U.S. National Committee for the International Biological Program: Preliminary Framework of the U.S. Program"; see also Box 7, F21

Box 3, Folder 31

**Proposal for Conference on Prevention of Fetal Distress & Brain Damage in the Newborn 1966**

**Scope and Content Note**

correspondence re. proposal for Association for the Aid of Crippled Children support; proposal was dropped

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Box 3, Folder 32	<b>Trip to Europe &amp; USSR 1966</b> <b>Scope and Content Note</b> visits to Paris (see Box 5, F1), symposium in Prague (see Box 4, F25), Moscow, symposium in Sukhumi (see Box 4, F26), Tbilisi, & Leningrad; includes 25-page personal log of trip
Box 3, Folder 33 Box 3, Folder 34 Box 3, Folder 35	<b>Responses to news articles about Dr. Windle's research 1966-1969</b> <b>N.Y. University Committee on Admissions 1966-1967</b> <b>N.Y. University Institute of Rehabilitation Medicine 1966</b> <b>Scope and Content Note</b> issue of <i>IRM</i> ; internal Institute style manual for manuscripts
Box 3, Folder 36	<b>Primate colony, Welfare Island, N.Y. 1966-1971</b> <b>Scope and Content Note</b> correspondence, largely about reconstruction; correspondence about care & breeding of primates; floor plan; 3 photographs: cage area, cage washing room, outside of building; correspondence with Fred Plum re. keeping the breeding colony funded
Box 3, Folder 37	<b>Space &amp; equipment for Photography Section 1964,1967</b> <b>Scope and Content Note</b> equipment lists; space & furniture plans
Box 3, Folder 38	<b>Correspondence re. Jack Rosenbluth appointment at NYU 1965-1966</b> <b>Scope and Content Note</b> includes Rosenbluth's c.v.
Box 3, Folder 39	<b>Correspondence, J. Moor-Jankowski 1965-1968</b> <b>Scope and Content Note</b> re. Dr. Moor-Jankowski's move from Emory Univ. to NYU with his laboratory; Dr. M-J's c.v.; description, with plans and photos, of the Emory Laboratory Mobile Facility; 4 reprints of Dr. M-J's articles on primate blood-groups; evolution of the NYU Medical Center Primate Laboratory into the Laboratory for Experimental Medicine & Surgery in Primates (LEMSIP), and looming funding problems
Box 3, Folder 40	<b>Transfer of J. Spencer Munroe laboratory 1967-1968</b> <b>Scope and Content Note</b> memos re. transfer of lab from Lennox Hill Hosp. to New York University
Box 3, Folder 41	<b>Papers relating to J. Spencer Munroe 1963-1972</b> <b>Scope and Content Note</b> Munroe's c.v.; correspondence; reprints, clippings, abstract
Box 3, Folder 42 Box 3, Folder 43	<b>Proposed trauma research at New York University 1967-1968</b> <b>Correspondence with Geoffrey Dawes, Oxford 1964-1970</b> <b>Scope and Content Note</b> also contains correspondence with Benjamin Ross, Oliver P. Jones, Maurice Mayer, M.B. Sterman; preliminary proposals
Box 3, Folder 44 Box 3, Folder 45 Box 3, Folder 46	<b>Correspondence 1964-1965</b> <b>Correspondence 1966-1967</b> <b>Correspondence 1968-1969</b>



Box 3, Folder 47	<b>Outgoing correspondence Jan.-Jun. 1968</b> <b>Scope and Content Note</b> copies of outgoing memos & letters, including some <i>Exp. Neurol.</i> . editorial correspondence & personal letters
Box 4, Folder 1	<b>Outgoing correspondence Jul.-Dec. 1968</b> <b>Scope and Content Note</b> copies of outgoing memos & letters, including some <i>Exp. Neurol.</i> . editorial correspondence & personal letters
Box 4, Folder 2	<b>Outgoing correspondence Jan.-Jun. 1969</b> <b>Scope and Content Note</b> copies of outgoing memos & letters, including some <i>Exp. Neurol.</i> . editorial correspondence & personal letters
Box 4, Folder 3	<b>Outgoing correspondence Jul.-Dec. 1969</b> <b>Scope and Content Note</b> copies of outgoing memos & letters, including some <i>Exp. Neurol.</i> . editorial correspondence & personal letters
Box 4, Folder 4 Box 4, Folder 5	<b>Correspondence 1970-1971</b> <b>Outgoing correspondence 1970</b> <b>Scope and Content Note</b> copies of outgoing memos & letters, including some <i>Exp. Neurol.</i> . editorial correspondence & personal letters
Box 4, Folder 6 Box 4, Folder 7	<b>Letters of recommendation &amp; reference 1964-1971</b> <b>Case of [S--- C---] 1966-1968, 1973 (folder closed until 2041 A.D.)</b> <b>Scope and Content Note</b> hospital patient notes; photographs of gross human infant brain
Box 4, Folder 8	<b>Conference on Experimental Medicine &amp; Surgery in Primates 1967</b> <b>Scope and Content Note</b> organized by the N.Y. Academy of Sciences; booklet of preprint abstracts, including one by J. Spencer Munroe, a colleague, but none by Windle
Box 4, Folder 9	<b>Report of the Welfare Island Planning &amp; Development Commission to the Mayor, NYC 1969</b>
Box 4, Folder 10	<b>Grants &amp; Contracts</b> <b>UCP drawing account 1964</b> <b>Scope and Content Note</b> money made available for move of equipment from Bethesda to NYU
Box 4, Folder 11	<b>Grant #R180-64 UCP 1964-1967</b> <b>Scope and Content Note</b> Mitigation of permanent brain damage experimentally induced by asphyxia at birth"
Box 4, Folder 12	<b>Grant application NB-HD 06752-01 1966</b> <b>Scope and Content Note</b> Neurological damage by asphyxia neonatorum in monkeys" -application rejected

- Box 4, Folder 13                    **Grant application NB 07954-01 1968**  
   **Scope and Content Note**  
   Spinal cord regeneration as affected by hormonal factors"
- Box 4, Folder 14                    **Program-project grant, 1 PO1 HD03417 1968-1972**  
   **Scope and Content Note**  
   Immediate & long-term effects of asphyxia neonatorum" -proposal;  
   correspondence; application; final report
- Box 4, Folder 15                    **Progress reports for M.D. Faro research grants 1969**  
   **Scope and Content Note**  
   see also Box 5, F29 & Box 4, F16
- Box 4, Folder 16                    **M.D. Faro grant application: "Mental ability after neonatal asphyxia 1970**  
   **Scope and Content Note**  
   research grant application by Maria Diaz Faro; see also Box 4, F15 & Box 5, F29
- Societies & Committees**
- Box 4, Folder 17                    **Eye Research Foundation of Bethesda 1965-1966**  
   **Scope and Content Note**  
   correspondence, largely with William M. Hart, director of the Foundation; booklet  
   describing the Foundation, & program of one of its symposia; c.v.'s of professional  
   members of the Foundation
- Box 4, Folder 18                    **American Association of Anatomists 1966-1969**  
   **Scope and Content Note**  
   correspondence; society executive committee business; proceedings of the 82nd  
   meeting
- Box 4, Folder 19                    **National Paraplegia Foundation 1969-1971**  
   **Scope and Content Note**  
   general correspondence; proposal & plans for a conference on training for spinal  
   injury care, at the national NPF meeting, 1971; correspondence re. disagreement  
   as to role of Research Advisory Committee, & as to the direction research efforts  
   should take; see also Box 4, F23 & F32, & Box 5, F36, Box 6, F13 and others
- Box 4, Folder 20                    **Cajal Club 1966-1970**  
   **Scope and Content Note**  
   very partial inclusion: membership lists; history & by-laws
- Box 4, Folder 21                    **Cosmos Club 1964-1973**  
   **Scope and Content Note**  
   very partial inclusion
- Conferences Organized**
- Box 4, Folder 22                    **Conference on Neural Mechanisms in Restitution of Function After Brain**  
   **Damage, San Francisco, 1966**  
   **Scope and Content Note**  
   program; correspondence of Planning Committee
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- Box 4, Folder 32                      **17th Veterans Administration Spinal Cord Injury Conference 1969**  
**Scope and Content Note**  
general correspondence; paper presented: "Regeneration of the spinal cord: current status of the problem," 3 p.; first draft, by Oswald D. Reich, of plans for an annual prize by the National Paraplegia Foundation for work in paraplegia (Wakeman Award)
- Box 4, Folder 33                      **"Cerebral hemorrhage in relation to birth asphyxia 1969**  
**Scope and Content Note**  
typescripts of a version presented at the Univ. of Chicago, and another version titled "Hemorrhages in brain of newborn infant"
- Box 4, Folder 34                      **"Brain damage of asphyxia at birth 1969**  
**Scope and Content Note**  
correspondence; text of presentation at Univ. of Rochester, Sept. 1969 & at N.Y. Academy of Medicine, Dec. 1969
- Box 4, Folder 35                      **Pan American Health Organization Symposium 1969**  
**Scope and Content Note**  
preliminary program; correspondence; typescript of abstract, titled "Brain damage at birth: function & structural modifications with time" (full paper with that title can be found in Box 4, F31); typescript titled "Asphyxial brain damage at birth, with reference to the minimally affected child" which has written on it in pencil in Windle's writing: "PanAm. Health Org. Symp. June 1969"; see also Box 5, F10
- Box 4, Folder 36                      **"Origin & early development of neural elements in the human brain 1970**  
**Scope and Content Note**  
typescript of a lecture delivered at UCLA; correspondence; see also Box 7, F1 & Box 5, F9
- Box 4, Folder 37                      **International Symposium on Brain Hypoxia, Carshalton, UK 1970**  
**Scope and Content Note**  
program; photograph of participants; recorders' summaries of discussions; a few abstracts; typescript of Foreword by L. Stanley James titled "Brain damage to fetus & newborn from hypoxia or asphyxia," to the Ross Conference, Puerto Rico, Jan. 1967
- Box 4, Folder 38                      **Pediatric Symposium, Univ. of North Carolina 1970**  
**Scope and Content Note**  
program; typescript of "Fetal physiology relative to asphyxia neonatorum," and "Asphyxial brain damage & mental retardation" -presented at the symposium; correspondence
- Box 4, Folder 39                      **"Role of asphyxia at birth in etiology of mental retardation & cerebral palsy no date**  
**Scope and Content Note**  
typescript of lecture delivered at Ya
- Box 4, Folder 40                      **Publications**  
***Physiology of the Fetus 1964-1974***  
**Scope and Content Note**  
correspondence with publisher C.C Thomas; book contract
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Box 4, Folder 41	<p><b>Physiology of the Fetus 1970-?</b></p> <p><b>Scope and Content Note</b></p> <p>bibliographic notes; scientific notes; reprints; two-page typescript on comparative aspects of birth; two-page typescript on use of word "sacrifice" in relation to experimental animals</p>
Box 4, Folder 42	<p><b>Physiology of the Fetus 1971</b></p> <p><b>Scope and Content Note</b></p> <p>illustrations: photographs, line drawings</p>
Box 4, Folder 43	<p><b>Physiology of the Fetus no date</b></p> <p><b>Scope and Content Note</b></p> <p>photographs &amp; negatives, "Physiology of the Fetus"; some items originally mounted for publication &amp; labeled with figure numbers, others unmounted &amp; unlabeled</p>
Box 5, Folder 1	<p><b>"Maturation of the brain related to variables in the environment" 1966</b></p> <p><b>Scope and Content Note</b></p> <p>typescript of presentation at CIOMS Symposium on The Regional Maturation of the Nervous System in Early Life, Paris; galley proofs of publication in symposium volume; correspondence; preliminary program; abstracts; typescript of Windle abstract titled "Development of electrical activity (EEG) in the rhesus monkey; see also Box 3, F32</p>
Box 5, Folder 2	<p><b>"Experimental induction of asphyxia neonatorum respiratory distress, and brain damage in rhesus monkeys," 1963-1967(?)</b></p> <p><b>Scope and Content Note</b></p> <p>abstract &amp; typescript of original presentation, titled "Neurological &amp; pulmonary damage caused by perinatal asphyxia" at the Symposium on Effects of Labor on the Fetus &amp; Newborn, Montevideo, 1964, &amp; of the revised version published by Pergamon Press in a volume of material based on the symposium; program; correspondence; photograph of Fig. 3</p>
Box 5, Folder 3	<p><b>"An experimental approach to prevention or reduction of the brain damage of birth asphyxia" 1965</b></p> <p><b>Scope and Content Note</b></p> <p>typescript of lecture delivered at the American Academy for Cerebral Palsy annual meeting, 1965, &amp; published in <i>Developmental Medicine &amp; Child Neurology</i>, 1966; correspondence; preliminary &amp; official program</p>
Box 5, Folder 4	<p><b>"Asphyxia at birth, a major factor in mental retardation" 1966-1967</b></p> <p><b>Scope and Content Note</b></p> <p>abstract &amp; paper presented at the 56th annual meeting of the American Psychopathological Association, 1966, &amp; published in <i>Psychopathology of Mental Development</i>, Grune &amp; Stratton, 1967; correspondence; program of meeting</p>
Box 5, Folder 5	<p><b>Textbook of Histology 1967-1968</b></p> <p><b>Scope and Content Note</b></p> <p>correspondence re. use of figures for 4th edition</p>
Box 5, Folder 6	<p><b>Development of the intrinsic structure of the CNS in human embryos 1968-1969</b></p> <p><b>Scope and Content Note</b></p> <p>(partial?) mss.; related correspondence; bibliographies &amp; reprints of related work; drawings (negatives &amp; positives) of embryos from 3.34 to 10.4 mm.; see also Box 10, F14 &amp; F15 for additional &amp; mounted photographs &amp; drawings</p>

- Box 5, Folder 7                    **Potential book on basic nervous system function 1968**  
   **Scope and Content Note**  
   correspondence; typescript (p. 35-47) titled: "Chapter 4. The special senses."
- Box 5, Folder 8                    **"Brain damage by asphyxia" 1969-1973**  
   **Scope and Content Note**  
   published in *Scientific American*; correspondence leading to the publication, and arising from it; typescript marked "final copy"; photographs & transparencies for illustrations
- Box 5, Folder 9                    **"Origin & early development of neural elements in the human brain" 1969-1971**  
   **Scope and Content Note**  
   published in *Biopsychology of Development*, ed. by E. Tobach, based on papers presented at the Conference on the Biopsychology of Development organized by the American Museum of Natural History, New York, 1969; typescript marked "draft"; typescript as reviewed & marked by Donald L. Kimmel; galley proofs; correspondence; see also Box 4, F36 & Box 7, F1
- Box 5, Folder 10                   **"Asphyxial brain damage at birth, with references to the minimally affected child" 1969-1970**  
   **Scope and Content Note**  
   published in *Yearbook of Obstetrics and Gynecology*; correspondence; photographs; references cited & figure legends; see also Box 7, F1 & Box 4, F35
- Box 5, Folder 11                   **Reprints & typescripts of Windle articles 1965-1970**  
   **Scope and Content Note**  
   includes some photographs of illustrations
- Box 5, Folder 12                   **Reprints & typescripts, various investigators 1966-1971**  
   **Scope and Content Note**  
   authors from Windle's department
- Awards**
- Box 5, Folder 13                   **Albert Lasker Award for Basic Medical Research 1968-1970, 1980**  
   **Scope and Content Note**  
   correspondence with the Lasker Foundation; publicity; program of award luncheon; citation & acceptance speech; abstract, short & long text & reprint of *JAMA* paper based on the Lasker lecture; text of T.V. interview based on Lasker award, & letters arising from that interview; newspaper & magazine clippings
- Box 5, Folder 14                   **Correspondence arising from Lasker Award 1968-1969**  
   **Scope and Content Note**  
   letters from the public, largely concerned parents; congratulatory letters; requests for information & reprints; newspaper clippings
- Box 5, Folder 15                   **Award from the Association for Research in Nervous & Mental Disease 1971**  
   **Scope and Content Note**  
   correspondence & certificate  
   Honorary faculty membership, Universidad de Chile, 1971 --see Box 10, F10
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**I.H. Denison University, 1971-1985 (Research Professor)**

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Box 5, Folder 16	<p><b>Research &amp; Administrative Papers</b> <b>Spinal cord regeneration 1972-1977</b> <b>Scope and Content Note</b> letter from Carmine D. Clemente &amp; data from early Piromen experiments; letter from Earl R. Feringa &amp; reprints of two of his articles; typescripts of papers by Chun C. Kao &amp; by Arthur S. Tischler; photocopies of papers by L. W. Freeman, by R. S. Gye, et al., &amp; by Francis T. Stewart (1902); grant application by James R. Bloedel; case of Roger Frank; statistics from N.Y.Univ. Spinal Cord Injury Center</p>
Box 5, Folder 17 Box 5, Folder 18	<p><b>Correspondence 1972-1975</b> <b>Correspondence 1976-1979</b> <b>Scope and Content Note</b> includes "The spinal cord and its reaction to traumatic injury", presented at the 27th annual meeting of the American Paraplegia Society, in absentia; letter to Lawrence Borges, M.D., 4/23/1980, contains interesting observation about the drug Piromen</p>
Box 5, Folder 19 Box 5, Folder 20	<p><b>Correspondence 1980-1984</b> <b>Correspondence with Mei Liu 1979-1983</b> <b>Scope and Content Note</b> Windle wrote the Foreword for Dr. Liu's book on nerve growth; Liu's c.v.; "A review of history of neurotropic substances and a report of recent findings", read by Liu at 1st International Symposium on Spinal Cord Reconstitution, 1980; "The mystique of the neural crest", submitted by Liu to Nature; two mss. by Liu published in <i>Experimental Neurology</i>, 1979; 2 photographs</p>
Box 5, Folder 21	<p><b>Trip to England, Czechoslovakia, Russia, France 1974</b> <b>Scope and Content Note</b> undertaken for the National Advisory Council of the NINDS to explore work in spinal cord regeneration; visited in England: L.S. Illis, (Southampton), M. Berry &amp; A.C. Riches, (Birmingham); in Czechoslovakia: E. Gutmann, (Prague); in Russia: T.N. Nesmeyanova, (Moscow), L.A. Matinian, V. Fanardjian, S.S. Oganessian, (Yerevan), B.I. Mchedlishvili, (Tbilisi), and Y.W. Zotov, V. Ugryumov, (Leningrad); in France: B. Droz, (Paris); includes preliminary planning, correspondence, trip reports.</p>
Box 5, Folder 22 Box 5, Folder 23	<p><b>Correspondence with T.N. Nesmeyanova 1975-1976</b> <b>Correspondence with L.A. Matinian 1974-1979</b> <b>Scope and Content Note</b> includes two versions of text of "Enzyme therapy in organic lesions of the spinal cord", by Matinian, edited by Windle; Matinian c.v.</p>
Box 5, Folder 24	<p><b>Paralyzed Veterans of America 1975-1976</b> <b>Scope and Content Note</b> correspondence; funding for Raleigh Pettegrew's research at Denison University</p>
Box 5, Folder 25	<p><b>Paraplegia luncheons 1976-1977</b> <b>Scope and Content Note</b> organized by Congressman Bill Frenzel of Minnesota; correspondence; Windle's introductory remarks for 1976 luncheon</p>

- Box 5, Folder 26                      **Correspondence with R. W. Oppenheim 1977-1981**  
   **Scope and Content Note**  
Oppenheim was writing an article on G. E. Coghill & wanted information on the "Coghill-Windle controversy"; includes transcript of tape dictated by Windle, 4/1977, titled "Some recollections of George Ellett Coghill"; reprint of Oppenheim's article "G. E. Coghill: pioneer neuroembryologist & developmental psychobiologist", *Perspect. Biol. Med.*, 1978
- Box 5, Folder 27                      **Testimony of Richard L. Sidman before House Appropriations Subcommittee on Labor-HEW 1973**  
   **Scope and Content Note**  
includes letter to Donald Tower, Director, NINDS
- Box 5, Folder 28                      **Grant application to March of Dimes by Nicole Simon, Boston University 1973**  
   **Scope and Content Note**  
Evaluations" was handwritten on folder label
- Box 5, Folder 29                      **Two papers by Maria Diaz Faro 1972**  
   **Scope and Content Note**  
plus cover letter; see also Box 4, F15 & F16
- Box 5, Folder 30                      **"A possible relationship of female hormones to central nervous system regeneration no date**  
   **Scope and Content Note**  
typescript with references 9 pp.
- Box 53, Folder 1                      **List of Windle's students & associates no date**  
   **Scope and Content Note**  
mostly associates -not a complete list of students
- Grants & Contracts**
- Box 5, Folder 32                      **Grant #NIH 1.R01. HD0520, HD05929 1971-1974**  
   **Scope and Content Note**  
Evaluation of perinatal brain damage", (Denison Univ. account no. C69-861): applications, correspondence re. grant awards; receipts & payment requests; final report
- Box 5, Folder 33                      **United Cerebral Palsy Foundation grants #SG 21-71 and #SG 24-71 1970-1074**  
   **Scope and Content Note**  
small interim grants to start "Evaluation of perinatal brain damage in primates"; correspondence; applications; final report
- Box 5, Folder 34                      **Grant #NIH 1.R01. NS11507 1973-1977**  
   **Scope and Content Note**  
Central nervous regeneration: hormonal influences", (Denison Univ. account no. C69-863): applications, correspondence re. grant awards; reprints of a paper from *Journal of the Scientific Laboratories, Denison Univ.* and Federation abstract; receipts & payment requests
- Box 5, Folder 35                      **Raleigh K. Pettegrew grant application to NIH 1976 (?)**  
   **Scope and Content Note**  
Central nervous regeneration: enzymatic influences": application; reprints of two American Association of Anatomists abstracts; photographs of Pettegrew & Denison lab (?)
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- Conferences Organized**
- Box 5, Folder 36      **2d NPF Conference on CNS Regeneration 1970-1972**  
**Scope and Content Note**  
thoughts leading up to the conference; preparation & funding; invitations;  
correspondence with attendees; report of the conference by Lloyd Guth & Windle
- Box 5, Folder 37      **3d NPF Conference on Regeneration in the CNS 1973**  
**Scope and Content Note**  
correspondence; program
- Box 5, Folder 38      **1974 Wakeman award 1973-1974**  
**Scope and Content Note**  
planning for 1994 award; nominations, cv's, bibliographies, supporting documents,  
some photographs, for: James Bethune Campbell; Stanley Cohen; Martin Berry and  
Andrew C. Riches; Lloyd Guth; Rita Levi-Montalcini; correspondence
- Box 6, Folder 1      **Conference on Factors in Recovery from Spinal Cord Injury 1976**  
**Scope and Content Note**  
correspondence, program, summarized transactions published in *Experimental  
Neurology* of a conference held at Denison University in Granville, Ohio, to feature  
L.A. Matinian & his work; see also Box 5, F21 & Box 5, F23 for correspondence with  
Matinian
- Lectures & Conferences**
- Box 6, Folder 2      **Federation of American Societies of Experimental Biology, Chicago 1971**  
**Scope and Content Note**  
typescript of address presented at the annual dinner of the Developmental  
Physiology Group, titled "Pioneering in perinatal physiology"
- Box 6, Folder 3      **Paralyzed Veterans of America 1972**  
**Scope and Content Note**  
Increasing incidence of spinal cord injuries", 6 p., read at a meeting when  
accepting plaque for "Speedy Award"; for plaque, see Box 12, #2
- Box 6, Folder 4      **Conference on Continuing Education in the Treatment of Spinal Cord Injuries,  
Milwaukee 1972**  
**Scope and Content Note**  
correspondence, preliminary program
- Box 6, Folder 5      **Symposium Neuroontogeneticum, Prague 1973**  
**Scope and Content Note**  
correspondence, registration forms, abstract: "Amelioration of severe asphyxial  
brain damage at birth"; the trip was aborted because WFW underwent surgery  
some weeks before
- Box 6, Folder 6      **An Unfinished Agenda: Disease Strategies for the 1980s 1979**  
**Scope and Content Note**  
a small invitational meeting held at Wilson Center, Washington, D.C.
- Box 6, Folder 7      **Physical Medicine & Rehabilitation Symposium 1979**  
**Scope and Content Note**  
held at Georgetown University, Washington, D.C.; Windle's presentation was titled  
"Historical Aspects of Regeneration in the Spinal Cord"; see also Box 7, F1
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- Box 6, Folder 8                    **4th NPF Conference on Regeneration in the CNS 1976**  
   **Scope and Content Note**  
   correspondence; program
- Box 6, Folder 9                    **5th NPF Conference on Regeneration in the CNS 1979**  
   **Scope and Content Note**  
   correspondence; program; Windle's presentation, titled: "Recollections of Research in Spinal Cord Regeneration"; abstracts of seven other conference presentations; proceedings, ed. by Richard P. Veraa & Bernice Grafstein, *Experimental Neurology*, 71 Suppl., 1981
- Box 6, Folder 10                   **Societies & Committees**  
   **Sigma Xi 1970-1974**  
   **Scope and Content Note**  
   WFW was Denison Univ. club president in 1973-74: files, correspondence, program & reports of 1974 national. Meeting
- Box 6, Folder 11                   **Help Them Walk Again Foundation 1975-1977**  
   **Scope and Content Note**  
   correspondence
- Box 6, Folder 12                   **Ohio Academy of Medical History 1978-1979**  
   **Scope and Content Note**  
   correspondence re. meetings; "Clarence Luther Herrick, Pioneer Ohio Neuroscientist", presented at the 1979 meeting
- Box 6, Folder 13                   **National Paraplegia Foundation 1971-1977**  
   **Scope and Content Note**  
   correspondence
- Box 6, Folder 14                   **Publications**  
   **Rat spinal cord 1974**  
   **Scope and Content Note**  
   photomicrographs & negatives of newborn, 3-, 6-, 10-day-old rats. E. Prichala, electron microscopist (?)
- Box 6, Folder 15                   ***The Spinal Cord & Its Reaction to Traumatic Injury 1976-1980***  
   **Scope and Content Note**  
   correspondence with contributing authors (by name)
- Box 6, Folder 16                   ***The Spinal Cord & Its Reaction to Traumatic Injury 1976-1980***  
   **Scope and Content Note**  
   correspondence with Bernice Wenzel, series editor, and M. Dekker, publisher; contract
- Box 6, Folder 17                   ***The Spinal Cord & Its Reaction to Traumatic Injury 1977-1980***  
   **Scope and Content Note**  
   requests for permission to reproduce illustrations; photographs, negatives for used & unused illustrations; bibliographic references on cards
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Box 6, Folder 18

***The Spinal Cord & Its Reaction to Traumatic Injury 1980***

**Scope and Content Note**

typescripts of subject index, chapter 8: "Spinal reflex mechanisms", by Judith L. Smith; title page, list of contributors, and preface by Windle for the volume; book reviews; letters of appreciation for the volume

Box 6, Folder 19

***The Pioneering Role of Clarence Luther Herrick in American Neuroscience 1975-1980***

**Scope and Content Note**

correspondence asking for information, permission to use materials, etc.

Box 6, Folder 20

***The Pioneering Role of Clarence Luther Herrick in American Neuroscience 1976-1979***

**Scope and Content Note**

photographs, negatives, slides, facsimiles

Box 6, Folder 21

***The Pioneering Role of Clarence Luther Herrick in American Neuroscience 1976-1979***

**Scope and Content Note**

correspondence with potential publishers; correspondence with Exposition Press, publisher; correspondence with Denison Univ. Research Foundation re. book's subsidy; correspondence re. publicity; reviews; general correspondence

Box 6, Folder 22

***"The Cayo Santiago Primate Colony" 1980***

**Scope and Content Note**

published in *Science*; reprint; illustration; correspondence

Box 6, Folder 23

***Stephen Walter Ranson memorial volume 1979-1981***

**Scope and Content Note**

correspondence with co-author, H.W. Magoun, and with contributors (alphabetical by name); photograph of Wendell Krieg

Box 6, Folder 24

***Stephen Walter Ranson memorial volume 1980-1982***

**Scope and Content Note**

correspondence with potential publishers; original photos for illustrations; reprints of earlier Ranson memoirs by H.W. Magoun, 1942, L.B. Arey, 1943, & Florence R. Sabin, 1944; letters of appreciation for the volume

Box 6, Folder 25

***Stephen Walter Ranson memorial volume 1979-1982***

**Scope and Content Note**

photocopies of contributors' typescripts

Box 6, Folder 26

***Stephen Walter Ranson memorial volume 1980-1982***

**Scope and Content Note**

printer's copy, partially marked up

Box 6, Folder 27

***Stephen Walter Ranson: Ground-Breaking Neuroscientist 1981***

**Scope and Content Note**

copy of the publication

Box 6, Folder 28

***Textbook of Histology 1976-1983***

**Scope and Content Note**

correspondence re. 5th ed.; plans by Lloyd Guth for producing a new book based on Windle's text

- Box 6, Folder 29                    **Reprints of Windle papers 1974-1980**
- Box 6, Folder 30                    **Awards**  
   **Wakeman Award 1972**  
   **Scope and Content Note**  
   the Basic Medical Research portion of the award bestowed by the National Paraplegia Foundation; correspondence; newspaper clipping; photograph; typescript of acceptance speech; for plaque, see Box 12, #1
- Box 6, Folder 31                    **Henry Gray Award 1977**  
   **Scope and Content Note**  
   bestowed by the American Association of Anatomists
- Box 6, Folder 32                    **News stories 1964-1977**  
   **Scope and Content Note**  
   newspaper & magazine clippings concerning professional milestones & achievements

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**I.I. University of California, Los Angeles (UCLA), 1970, 1972, 1974, 1976 (Visiting Professor)**

- Box 6, Folder 33                    **Research, Teaching & Administrative Papers**  
   **Correspondence 1969-1972**  
   **Scope and Content Note**  
   academic appointment letter from UCLA; outlines of seminar series presented by Windle on "The fetus & newborn infant."

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**I.J. Topical Folders (as set up by Windle)**

- Box 6, Folder 34                    **Brain injured child 1953-1969**  
   **Scope and Content Note**  
   reprints, various authors, including articles on natural child birth, fetal hemoglobin, etc.; newspaper clippings
- Box 6, Folder 35                    **Abortion 1971-1980**  
   **Scope and Content Note**  
   publications & newspapers clippings (some written by Windle); photographs reproduced from Handbook of Abortion; correspondence, mainly for 1972
- Box 6, Folder 36                    **Neurotropism 1979-1980**  
   **Scope and Content Note**  
   Comments on new developments in CNS regeneration", (2 p.) headed "Washington, DC, Oct. 17, 1979; "Regeneration of the severed spinal cord of larval *Petromyzon marinus*", submitted as a technical comment to Science (not published), prompted by a *Science* article by M.R. Wood & M.J. Cohen; *Experimental Neurology* editorial commentary by Windle, "Neurotropism", 1979; *Experimental Neurology* article by Windle, "Inhibition of regeneration of severed axons in the spinal cord", 1980; correspondence, program, and publishing plans for First International Symposium on Spinal Cord Reconstruction, Las Vegas, 1980, in which Windle had an introductory chapter; 3 articles torn from *Science* on regrowth/ regeneration/chemotaxis of axons by K. Kalil & T. Reh, K.J. Muller & S.A. Scott, and R.W. Gundersen & J.N. Barrett, respectively

Box 6, Folder 37

**Concussion 1944-1965 (?)**

**Scope and Content Note**

reprints of Windle papers; typescript of references from an unknown publication; 2-page typescript of "Fatal brain injuries in boxing matches", by Milton Helpem & George Strassmann, Office of Chief Medical Examiner of City of NY

Box 7, Folder 1

**Lectures 1956-1979**

**Scope and Content Note**

some published; "Neurological & psychological deficits of asphyxia neonatorum", 1956; script for motion picture, in English & Spanish, 1963; "Experimental induction of asphyxia neonatorum, respiratory distress, & brain damage in rhesus monkeys", 1966; "Functional adaptation to the brain damage of asphyxia neonatorum", 1968; "Brain damage at birth: functional & structural modifications with time, 1968; "Regeneration of the spinal cord: current status of the problem", 1969; "Origin & early development of neural elements in the human brain", 1969; "Monkey & man", 1969; "Apparent recovery from brain damage of birth asphyxia", 1970; [NIH lecture, on birth asphyxia], 1971; "Role of asphyxia during birth in damaging the brain & affecting behavior", 1971; "A national report for research in paraplegia, 1971; "Survey of progressive degenerative changes in the brains of rhesus monkeys surviving neonatal asphyxia", by Faro & Windle, no date; "Asphyxial brain damage at birth with reference to the minimally affected child", 1971; "Toward a cure for paraplegia", 1972; "Remarks", 1976; "The paraplegia problem" (4 versions), 1975-1976; "Historical aspects of regeneration in the mammalian spinal cord", 1979

Box 7, Folder 2

**Lectures in Spanish 1961-1963**

**Scope and Content Note**

*Nuevos horizontes para investigaciones en la fisiotopia fetal: la asfixia perinatal experimental* " (see also Box 3, F18)

" *Deficiencias neurologicas de un mono que sobrevive a la asfixia neonatal*"; "*Consecuencias de la asfixia durante el nacimiento de monos rhesus*"; "*Asfixia de un feto de un mono durante parto podalico espontaneo*"; "*Deficiencias neurologicas en monos recién nacidos sometidos a asfixia neonatal*" -2 versions; "*El problema de la regeneracion en el sistema nervioso central*" ; untitled script to accompany film

Box 7, Folder 3

**History of stereotaxic equipment 1963-1967**

**Scope and Content Note**

correspondence re. possible publication on the topic; photograph (of Herbert S. Gasser? Robert Henry Clarke?); obituary of Clarke from the Brit Med J, 1926

Box 7, Folder 4

**Regional primate research centers 1962-1978**

**Scope and Content Note**

Oregon, Washington, Japan, New England; correspondence, brochures, including one on NIH Primate Research Centers, 1978

Box 7, Folder 5

**Monkey reports 1957-1967**

**Scope and Content Note**

includes neuropathology, neurological & behavioral reports; movie descriptions; photographs & negatives

Box 7, Folder 6

**Asphyxiation experiments 1961-1971**

**Scope and Content Note**

summary laboratory notes on 39 monkeys delivered by cesarean section between 3/24/61 and 12/19/62; notes on additional earlier animals; typescripts of abstracts and of papers "to be read from platform" by Windle & by Dawes; see also Box 10, F16

Box 7, Folder 7	<b>Reprints by various authors 1941-1983</b> <b>Scope and Content Note</b> not by Windle or close colleagues
Box 7, Folder 8	<b>Brain illustrations no date</b> <b>Scope and Content Note</b> photographs, brain cross sections; 8 x 10 photographs; bearing identification number not matched with monkey numbers
Box 7, Folder 9	<b>Photographs for publication no date</b> <b>Scope and Content Note</b> photographs, negatives, transparencies, some unlabeled; identified photographs are: monkeys M091157, 072959, 021761 (#200), 012662 (#254), 033062 (#270), 011463 (#367); negatives marked "hemorrhage"; photos marked as figs. 1 & 2, Science, "cerebral hemorrhage"; photo marked Koford, et al., fig. 2.
Box 7, Folder 10	<b>Photographs of monkey brains no date</b> <b>Scope and Content Note</b> identified animals are: M-052658 (#34), 091358, 102158 (#57); numerous unidentified photographs
Box 7, Folder 11	<b>Negatives, positives &amp; transparencies of monkey brains no date</b> <b>Scope and Content Note</b> identified animals are: M-080857, 090557 (#7), 100757, 102457 (#11), 110457 (#13), 120957 (#17), 030458 (#24), 030858, 051958 (#32), 021359 (#75 )
Box 7, Folder 12 Box 7, Folder 13	<b>Photographs of brains no date</b> <b>Spinal x-rays no date</b> <b>Scope and Content Note</b> 2 negatives; each envelop was labeled "x-ray"
Box 7, Folder 14	<b>Monkey brain transparencies no date</b> <b>Scope and Content Note</b> 3 transparencies, content labeled
Box 7, Folder 15	<b>Brain micrographs no date</b> <b>Scope and Content Note</b> 24 exposures of 35mm film; 8 unlabeled photomicrographs
Box 7, Folder 16	<b>Brain and spinal cord no date</b> <b>Scope and Content Note</b> miscellaneous photographs; envelopes bore nos. 5, 198, 275, 500 (presumably not monkey nos.)
Box 7, Folder 17	<b>Miscellaneous illustrations no date</b> <b>Scope and Content Note</b> original folder labeled: "Pictures, monkey, P.R., miscellaenous; contains: photo of So. American (?) statue, human female giving birth; original typescript & negatives of Table 1: Human embryos of 4-6 weeks, and Table 2: Human embryos from reliably dated intercourse; photographs of monkey (M2-050557 ?) and others ? Photographs of embryos, no date --see Box 10, F12 & F13

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**II. EXPERIMENTAL NEUROLOGY -- EDITORIAL PAPERS, 1958-1978**

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**II.A. Board of Associate Editors; International Advisory Board; Board of Editors;  
Editorial Policies & Statements, 1958-1978**

- Box 7, Folder 18            **Steps to establish editorial board 1958**  
                                 **Scope and Content Note**  
                                 drafts of proposed board member makeup; letters of invitation; rejections from: Sir  
                                 Henry H. Dale, Hallowell Davis, Herbert S. Grasser, Wilder Penfield
- Box 7, Folder 19            **Setting up panels of Associate Editors & Editorial Board 1958-1967**  
                                 **Scope and Content Note**  
                                 arranged alphabetically by name of assoc. ed.; letters of invitation, acceptances, etc.
- Box 7, Folder 20            **Associate Editors & Advisory Editorial Board 1959-1966**  
                                 **Scope and Content Note**  
                                 annual report to Assoc. Eds., 1959-1965, and to Advisory Editorial Board, 1965;  
                                 correspondence re. meetings of Assoc. Eds.; correspondence re. problems & proposals  
                                 raised in 1965 report
- Box 7, Folder 21            **Editorial statements 1959-1971**  
                                 **Scope and Content Note**  
                                 instructions for authors; page charges & size; increasing size of journal; accelerated  
                                 publication; experiments with curarized animals
- Box 7, Folder 22            **Correspondence re. *Experimental Neurology* volume dedications 1960-1963**  
                                 **Scope and Content Note**  
                                 v.2: Sherrington; v.3: Pavlov; v.4: Marchi; v.5: Nissl; v.6: Golgi; v.8: Sam Clark; v.10:  
                                 Ramn y Cajal; v.15: Grashchenkov
- Box 7, Folder 23            **Correspondence with Stephen A. Weinstein 1967-1968**  
                                 **Scope and Content Note**  
                                 re. publishing of *Experimental Neurology* abstracts in *Communications in Behavioral*  
                                 *Biology*
- Box 7, Folder 24            **Associate Editors & International Advisory Panel 1966-1971**  
                                 **Scope and Content Note**  
                                 editorial policy decisions; associate editors panel; general editorial correspondence
- Box 7, Folder 25            **International Advisory Panel 1971**  
Box 7, Folder 26            **Associate Editors & Board of Editors correspondence 1972-1980**  
                                 **Scope and Content Note**  
                                 includes editorial statement on new acceptance policy; editorial correspondence with  
                                 Academic Press

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**II.B. Academic Press, 1958-1974**

- Box 7, Folder 27            **Correspondence 1958-1962**  
Box 7, Folder 28            **Correspondence 1963-1968**  
Box 7, Folder 29            **Correspondence, Kurt Jacoby 1964-1966**  
Box 7, Folder 30            **Correspondence 1969-1971**  
Box 7, Folder 31            **Correspondence 1972-1974**  
Box 7, Folder 32            **Mss. transfer forms, #EN2011-2373 May 1973-Jun 1974**

**II.C. Manuscripts for *Experimental Neurology*, 1968-1973**

Box 7, Folder 33	<b>Correspondence re. rejected mss. 1968</b>
Box 7, Folder 34	<b>Correspondence re. accepted mss. #EN1038-1063 1/69-2/69</b>
Box 7, Folder 35	<b>Correspondence re. accepted mss. #EN1136-1200 8/69-11/69</b>
Box 8, Folder 1	<b>Correspondence re. rejected mss. 1969</b>
Box 8, Folder 2	<b>Correspondence re. accepted mss. #EN1201-1250 2/69-3/70</b>
Box 8, Folder 3	<b>Correspondence re. accepted mss. #EN1251-1300 3/70-6/70</b>
Box 8, Folder 4	<b>Correspondence re. accepted mss. #EN1301-1350 6/70-9/70</b>
Box 8, Folder 5	<b>Correspondence re. accepted mss. #EN1351-1394 9/70-12/70</b>
Box 8, Folder 6	<b>Correspondence re. rejected mss. 1970</b> <b>Scope and Content Note</b> includes one mss.
Box 8, Folder 7	<b>Correspondence re. rejected mss. 1971</b> <b>Scope and Content Note</b> includes one mss.
Box 8, Folder 8	<b>Correspondence re. submitted mss. #EN1700-1764 4/72-6/72</b> <b>Scope and Content Note</b> includes some mss.
Box 8, Folder 9	<b>Correspondence re. submitted mss. #EN1765-1797 6/72-7/72</b> <b>Scope and Content Note</b> includes some mss.
Box 8, Folder 10	<b>Correspondence re. submitted mss. #EN1801-1900 6/72-11/72</b>
Box 8, Folder 11	<b>Correspondence re. submitted mss. #EN1901-2000 11/73-2/73</b>
Box 8, Folder 12	<b>Correspondence re. submitted mss. #EN2001-2100 3/73-6/73</b> <b>Scope and Content Note</b> includes one mss.
Box 8, Folder 13	<b>Correspondence re. submitted mss. #EN2101-2200 6/73-12/73</b> <b>Scope and Content Note</b> includes some mss.
Box 9, Folder 1	<b>Correspondence re. submitted mss. #EN2201-2300 11/73-3/74</b>
Box 9, Folder 2	<b>Correspondence re. submitted mss. #EN2301-2347 3/74-5/74</b>
Box 9, Folder 3	<b>Editorial correspondence 1961-1976</b> <b>Scope and Content Note</b> re. unnumbered mss. or those whose number can not be determined: rejection and acceptance letters, inter-editor correspondence

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**II.D. General Editorial Correspondence, 1958-1974**

Box 9, Folder 4	<b>Inquiries re. <i>Experimental Neurology</i> 1958-1963</b>
Box 9, Folder 5	<b>Miscellaneous papers 1958-1974</b> <b>Scope and Content Note</b> correspondence with C.C Thomas about publishing the journal, Sep.-Oct. 1958; origin of accepted mss. by country for v. 1-22; NIH Library Russian journals received, 1960; requests for instructions for authors; requests for journal exchanges

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**III. PERSONAL INFORMATION, 1898-1986**

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Box 9, Folder 6

**Curriculum vitae, bibliography, obituaries 1984**

**Scope and Content Note**

obituaries of Windle by Carmine Clemente for *The Anatomical Record*, *Experimental Neurology*, and speech for biennial conference on Regeneration of the Central Nervous System; Windle portrait

Box 9, Folder 7

**Autobiographical memoirs various dates**

**Scope and Content Note**

typescript in binder, titled "Memory of events in my life." Dates refer to periods described in each document; individual memoirs are titled: Genealogical notes (3 p.); My birth and infancy (1898; 1 p.); Memories of childhood (13 p.); School days in Huntington (7 p.); Bloomington, IL, 1913-1917 (9 p.); College years at Denison, 1917-1921 (15 p.); The war and I (9 p.); Toward a medical education, 1921-1923 (18 p.); A very special summer, 1923 (2 p.); Toward the doctorate, 1923-1926 (11 p.); Assistant professor (9 p.); Depression years, 1930-1935 (9 p.); My recollection of George Ellett Coghill (4 p.); A "sabbatical" at Cambridge, 1935-1936 (15 p.); The house on Foster Street (10 p.); Fetal physiology (5 p.); Fertility experiment recalled (2 p.); The Fitzgerald Collection of Human Embryos (3 p.); Irving S. Cutter, Medical Dean (6 p.); The Institute of Neurology after Ranson (4 p.); University of Washington at Seattle (12 p.)

Box 9, Folder 8

**Additional memoirs no dates**

**Scope and Content Note**

titles: The war and I (same as above, with correspondence); Negotiations with Pennsylvania, 1947 (4 p.); University of Pennsylvania (13 p.); The Department of Biophysics (1 p.); 2 versions of Stephen Walter Ranson (29 p., 15 p.); transcript of tape on history of Institute of Neurology; log of trip to Russia, 1966; Seminars in Neuroscience, Anatomy #258, UCLA, 1977 (8 p.); Interview, UCLA, 1976, recollections of founding of *Experimental Neurology* (5 p.); Memory of Uncle Fred by his namesake (5 p.); copy of newspaper interview with Mrs. John Adams Jackman, maternal great-grandmother; Requiem for the Institute of Neurology, by Wendell J. S. Krieg.

Box 9, Folder 9

**"Soundsciber recordings" no date**

**Scope and Content Note**

four 4" disks, numbered in grease pencil, in an *Experimental Neurology* envelope labeled in ink: "1 & 2 & 3. Founding of *Experimental Neurology*; 4. Arthur Weil; 5 & 6. Cajal Club founding; 7 & 8. My move to Seattle; Walter Freeman and Psychosurgery."

Box 9, Folder 10

**Notes on Windle interviews 1976**

**Scope and Content Note**

handwritten notes by Louise Marshall on interviews conducted March 2 & 3, 1976.

Box 9, Folder 11

**Personal papers 1918-1946**

**Scope and Content Note**

birth record; negatives of diplomas: high school, college, masters degree, doctorate; Denison Univ. transcripts; negatives & photographs of enlistment record & honorable discharge from U.S. Student Army Training Corps, & of Windle in uniform; correspondence re. service benefits; Calif. driver's license, 1930, Indiana license, 1935; various membership certificates; academic appointment letters, Northwestern Univ.; correspondence re. commission in U.S. Navy or Army Air Force during World War II.; correspondence from family & friends; unidentified photographs; photo of house, Old Farm Lane, Northfield, IL; keepsakes

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Box 9, Folder 12	<p><b>Construction plans 1935, no date</b></p> <p><b>Scope and Content Note</b></p> <p>lake front cottage, Bass Lake, 1935; house in Street Road (?), PA, no date; cellar plan, Woodland Court, Wayne, PA, no date</p>
Box 9, Folder 13	<p><b>Personal papers 1946-1947</b></p> <p><b>Scope and Content Note</b></p> <p>academic appointment letters at Univ. Washington</p>
Box 9, Folder 14	<p><b>Personal papers 1947-51</b></p> <p><b>Scope and Content Note</b></p> <p>academic appointment letters; general correspondence, including letter of resignation from U. of Pennsylvania</p>
Box 9, Folder 15	<p><b>Personal papers 1951-1953</b></p> <p><b>Scope and Content Note</b></p> <p>passport application; includes letter to high school classmate Adlai Stevenson on election day, 1952, and correspondence with Seymour Kety about Windle's move to the NINDB</p>
Box 9, Folder 16	<p><b>Personal papers 1954-1963</b></p> <p><b>Scope and Content Note</b></p> <p>misc. correspondence including an undated letter from Windle's son William K. Windle; financial papers; two photographs of NINDB Lab. of Neuroanatomy investigators, provided by Prof. Gunnar Wohlfart; program of 1st International Neurochemistry Symposium, Oxford, 1954; passport application for trip; Code of Statutes of the Nobel Foundation &amp; special regulations concerning the prize for physiology &amp; medicine; photograph of a medallion of Rene-Joachim-Henri Dutrochet, 1776-1847, French originator of the cell theory; medical reports; keepsakes</p>
Box 9, Folder 17	<p><b>Personal papers 1964-1967</b></p> <p><b>Scope and Content Note</b></p> <p>correspondence; newspaper clippings; deed; financial papers</p>
Box 9, Folder 18	<p><b>Personal papers 1968-1971</b></p>
Box 9, Folder 19	<p><b>Personal papers 1971-1972</b></p> <p><b>Scope and Content Note</b></p> <p>floor plan &amp; site sketches for Granville house &amp; garden; letter by Ella H. Windle to U.S. Representative John E. Moss urging impeachment of President Nixon; 50-year certificate from AAAS</p>
Box 9, Folder 20	<p><b>Personal papers 1973</b></p> <p><b>Scope and Content Note</b></p> <p>mostly correspondence re. New York dinner organized by Carmine Clemente &amp; Lloyd Guth with Howard Rusk as master of ceremonies, honoring Windle for his upcoming 75th birthday &amp; 50 years of membership in the American Association of Anatomists; photograph of plaque of appreciation put up in NY Univ. Institute of Rehabilitation; newspaper clippings; "get-well" drawings &amp; letter from grandchildren</p>
Box 9, Folder 21	<p><b>Personal papers 1975-1984</b></p> <p><b>Scope and Content Note</b></p> <p>includes negatives and positive of Windle portrait, Feb. 1977; letter recounting Windle's great-grandfather's connection with founding of the Republican Party, &amp; copy of handbill announcing a meeting to form a new party of "true republicans", March 2, 1955; copy of Northwestern Univ.'s Ward Rounds with article on Leslie B. Avery</p>

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- Box 9, Folder 22      **Personal papers 1985-1986**  
                                  **Scope and Content Note**  
                                  correspondence from Mrs. Windle to Louise Marshall & to Dr. & Mrs. Clemente, including gift of collection to UCLA; (original removed to Collection Files)
- Box 9, Folder 23      **Correspondence with Cynthia (Shoshana) Millman 1971-1983**  
                                  **Scope and Content Note**  
                                  Windle's editorial secretary at NYU
- Box 9, Folder 24      **Parkinsonism 1980-1984**  
                                  **Scope and Content Note**  
                                  articles, newsletters; correspondence; medical history of Windle's Parkinsonism written by him in 1981(?); neurological consult for brother J. Kirk Windle who was diagnosed as suffering from Parkinsonism in 1982
- Box 9, Folder 25      **Miscellaneous keepsakes no dates**  
 Box 9, Folder 26      **Photographs of Windle ca. 1944-1980?**  
                                  **Scope and Content Note**  
                                  some snapshots, mostly studio portraits
- Box 9, Folder 27      **Photographs, Puerto Rico no dates**  
                                  **Scope and Content Note**  
                                  group photos taken at a conference, and at parties and ceremonies; roll of snapshots
- Box 9, Folder 28      **Photographs of Windle, colleagues, & students various dates**  
                                  **Scope and Content Note**  
                                  birthday party for Windle, NIH, 1958; opening of Welfare Island animal quarters, NY, mid-'60s (?); photo at Dr. Pearce Bailey's retirement party, 1971; graduating class, 1949; graduation pictures, U. Pennsylvania, of Carmine Clemente & of H.J. Perlmutter, 1950; snapshots of "Lindsay & Gil Haffly and Lindsay & ?", 1944; negatives of two little girls, possibly Bob Livingstone's daughters; **portraits**, some inscribed to Windle:  
**Northwestern Univ.** --M. W. Fish, M.S., Anatomy, 1930; A. Miles Griffin, M.S., Anatomy, 1930; Douglas W. Orr, M.S. Anatomy, 1934; R. Frederick Becker, Ph.D., Anatomy, 1940; Ruth Rhines, M.S., 1940, Ph.D., Anatomy, 1942; Bland Cannon, M.S., Inst. Neurology, 1943; Harold Koenig, M.S., Inst. Neurology, 1945; **Univ. of Pennsylvania** --Harold Koenig, Ph.D., Anatomy, 1948; Harold L. Bailey, M.S., 1948; Chan-nas Liu, Ph.D., 1948; Henry J. Perlmutter, M.S., 1950; Lee C. Greene, M.S., 1951; G. Arthur LaVelle, Ph.D., 1951; T.P. Sinha, M.S., 1951; Carmine Clemente, M.S., 1950, Ph.D., 1952; Sam. Q. Mitchell, M.S., 1952; Edward G. Stuart, Ph.D., 1952; John N. Williams, Medicine, 1954; one unidentified male in Army uniform; **colleagues**: L.B. Arey, 1939, Lloyd Guth, 1964, S.I. Kornhauser, 1954, Wendell Krieg, no date, Maria Ramirez de Arellano, no date, Julio Maria Sosa, 1944, Arthur Weil, no date, one unidentified female
- Box 9, Folder 29      **Portraits of eminent scientists, C.U. Ariens Kappers 1924**  
                                  **Scope and Content Note**  
                                  Ernst Haeckel; W. Preyer; Santiago Ramon y Cajal
- Box 9, Folder 30      **Photographs no date**  
                                  **Scope and Content Note**  
                                  unidentified photographs from South or Central America or Puerto Rico(?) -Mona Island(?)  
                                  Home movies of family & friends, see Box 18-20, films #46-#66

**IV. MISCELLANEOUS MATERIALS, 1923-1972**

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**IV.A.Oversize Items**

- Box 10, Folder 1                    **Society of the Sigma Xi 1923**  
   **Scope and Content Note**  
   certificate of membership
- Box 10, Folder 2                    **American Neurological Association 1947**  
   **Scope and Content Note**  
   certificate of membership, associate member
- Box 10, Folder 3                    **War & Navy Departments 1947**  
   **Scope and Content Note**  
   certificate of appreciation for contributions to the Office of Scientific Research &  
   Development during World War II
- Box 10, Folder 4                    **Academia Nacional de Medicina de Buenos Aires 1950**  
   **Scope and Content Note**  
   certificate of membership, corresponding member
- Box 10, Folder 5                    **Portrait of Pedro Belou 1950**  
   **Scope and Content Note**  
   inscribed to Windle
- Box 10, Folder 6                    **Sociedad Chilena de Obstetricia y Ginecologia and 9th Chilean Congress of**  
   **Obstetrics & Gynecology 1961**  
   **Scope and Content Note**  
   certificates of membership, honorary membership
- Box 10, Folder 7                    **Sociedade Brasileira de Pediatria 1961**  
   **Scope and Content Note**  
   certificate of membership, corresponding member
- Box 10, Folder 8                    **Symposium on Temporal Epilepsy, Buenos Aires 1961**  
   **Scope and Content Note**  
   certificate, honored invitee, Simposio Epilepsia Temporal
- Box 10, Folder 9                    **Commission on Drug Safety 1964**  
   **Scope and Content Note**  
   certificate of appreciation
- Box 10, Folder 10                    **Universidad de Chile 1971**  
   **Scope and Content Note**  
   certificate of appointment, honorary faculty status
- Box 10, Folder 11                    **Scale balancing two Baxter drugs no date**  
   **Scope and Content Note**  
   photograph of Baxter "Travert, 10%" and Baxter "Travert/KCl" on two arms of scale
- Box 10, Folder 12                    **Photographs of embryos no date**  
   **Scope and Content Note**  
   size 6-7.5 cm.

## IV.A.Oversize Items

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Box 10, Folder 13	<p><b>Photographs of embryos no date</b></p> <p><b>Scope and Content Note</b></p> <p>size 8-22.5 cm.</p>
Box 10, Folder 14	<p><b>Development of the intrinsic structure of the CNS in human embryos no date</b></p> <p><b>Scope and Content Note</b></p> <p>mounted photographs, drawings, one drawing labeled "cat"; laboratory notes; handwritten draft, with drawings: "Development of mesencephalic root of the trigeminal nerve in man"; abstract, "Trigeminal efferent neurons of silver-stained 4-7 weeks human embryo", presented to American Association of Anatomists, 1949; see also Box 5, F6</p>
Box 10, Folder 15	<p><b>Development in human embryos no date</b></p> <p><b>Scope and Content Note</b></p> <p>mounted photographs &amp; drawings; see also Box 5, F6</p>
Box 10, Folder 16	<p><b>Infant monkey locomotion no date</b></p> <p><b>Scope and Content Note</b></p> <p>photographs, asphyxia neonatorum (?)</p>
Box 10, Folder 17	<p><b>Aerial photograph no date</b></p> <p><b>Scope and Content Note</b></p> <p>boat landing, Puerto Rico (?)</p>
Box 10, Folder 18	<p><b>Northwestern University Medical School and Memorial Hospital no date</b></p> <p><b>Scope and Content Note</b></p> <p>print of painting by Robert Addison, Collegia Medica Squibb Collection; drawing of Memorial Hospital complex</p>
Box 10, Folder 19	<p><b>San Juan, Puerto Rico no date</b></p> <p><b>Scope and Content Note</b></p> <p>color print of old fort</p>

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## IV.B. Card File

Box 1	<p><b>#1 Circa 450 5x8" cards with laboratory preparation records for embryo or neonate tissues; species included are sheep, chick, cat, &amp; kitten 1928-1940</b></p>
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## IV.C. Slides

Box 1	<p><b>#2 Circa 400 cardboard-mounted and 40 glass slides, research topics various</b></p>
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## IV.D. Plaques &amp; Audiocassette

Box 2	<p><b>#1 Wakeman Award 1972</b></p> <p><b>Scope and Content Note</b></p> <p>bronze plaque mounted on wood; see also Box 6, F30</p>
Box 12	<p><b>#2 Paralyzed Veterans of America 1972</b></p> <p><b>Scope and Content Note</b></p> <p>bronze plaque mounted on wood, presented "in recognition of his most significant contribution to the field of paraplegia"; see also Box 6, F3</p>

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- Box 12                    **#3 Max Weinstein Award 1957**  
                                  **Scope and Content Note**  
                                  bronze plaque presented by the United Cerebral Palsy Associations "for outstanding scientific achievement in the field of cerebral palsy"; see also Box 3, F23
- Box 12                    **#4 Recollections of George E. Coghill no date**  
                                  **Scope and Content Note**  
                                  audiocassette; see Box 5, F26 for transcription

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#### IV.E. Motion Pictures

##### Research & Teaching Films

- Box 13                    **#1 Experiments in decerebration of new-born dogs & cats 1929**  
                                  **Scope and Content Note**  
                                  title sequence continues W.F. Windle, Northwestern University Medical School, Chicago. 16 mm, 7" reel, black & white, ca. 300 ft.
- Box 13                    **#2 Corticospinal tract lesions in the monkey no date**  
                                  **Scope and Content Note**  
                                  title sequence continues: W.B. Cannon, H.W. Magoun, and W.F. Windle, Institute of Neurology, Northwestern University Medical School. Corticospinal lesions in the monkey result in paresis characterized by hypotonicity. Lesions at spinal levels result in hypoactive, midbrain lesions, in hyperactive reflexes. Inhibitory pathways from cerebrum do not course entirely in basis pedunculi. Monkey CH-11: right midthoracic dorsolateral chordotomy six weeks previously. 16 mm, 7" reel, black & white
- Box 13                    **#3 Human fetal movements during the eighth to eleventh week no date**  
                                  **Scope and Content Note**  
                                  title sequence continues -J.E. Fitzgerald & W.F. Windle, Northwestern University Medical School & Cook County Hospital. Aided by grants from the John & Mary R. Markle Foundation. Fetus 885: at 8 weeks gestation the fetus weighs less than 1 gm. and is only 23 mm. (7/8 in.) long. Muscles & nerves are well developed and can function when properly stimulated & while physiologic conditions are favorable. Narcotics, most anesthetics, and asphyxia render the fetus unresponsive. 16 mm, 7" reel, black & white
- Box 21                    **#4 Asphyxia neonatorum; experimental study in the guinea pig no date**  
                                  **Scope and Content Note**  
                                  title sequence continues: W.F. Windle and R.F. Becker, Northwestern University Medical School. Purpose of experiments was to induce anoxia in fetuses at birth & determine subsequent affects on the nervous system as evidenced by changes in behavior, learning ability, and brain structure. 16 mm., 11" reel, color, magnetic sound, full track magnetic recording, 24 fps
- Box 22                    **#5 Asphyxia neonatorum experimental study in the guinea pig 1943**  
                                  **Scope and Content Note**  
                                  same as Box 21 #4, above. 16 mm, 12" reel, color

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- Box 13                                   **#6 Genesis of respiration 1935 or 1936?**  
**Scope and Content Note**  
 title sequence continues: Turkey & domestic fowl. W.F. Windle and J. Barcroft, Physiological Laboratory, Cambridge University. The fetus normally executes various active movements before the respiratory allantois is fully developed. Some resemble arrhythmic respirations. Turkey, 6 days. 16 mm, 7" reel, black & white
- Box 13                                   **#7 Early forelimb movements in the sheep embryo 1935 or 1936?**  
**Scope and Content Note**  
 title sequence continues by W.F. Windle and J. Barcroft, Physiological Laboratory, Cambridge University. The gestation period of the ewe is about 150 days. Faradic stimulation of muscles elicited contractions at and before 33 days. Sheep #144, 23.5 mm. 16 mm, 7" reel, black & white
- Box 14                                   **#8 The cultivation of living tissue o date**  
**Scope and Content Note**  
 title sequence continues: by R.G. Canti, from the Strandways Research Hospital, Cambridge, and St. Bartholomews's Hospital, London. A small segment of the tissue selected is planted in a suitable culture medium on a cover slip and placed on a microscope slide. The edges are sealed with paraffin & the preparation is incubated. 16 mm, no reel -is on core, black & white
- Box 14                                   **#9 Views of the Chicago campus, Northwestern University Medical School 1937**  
**Scope and Content Note**  
 16 mm, 3 1/2" reel, color
- Box 14.                                   **#10 Fetal gastro-intestinal motility in the cat & guinea pig 1940**  
**Scope and Content Note**  
 title sequence continues R.F. Becker & W.F. Windle. Experimental condition 1: Hysterectomy without general anesthesia. 2: Placental circulation first intact, then occluded. 3: Observations under warm Locke's solution. 4: Magnification constant. Definitions: 1. Normal = best experimental conditions. 2. Partial anoxemia = impaired oxygenation of fetal blood. 3. Asphyxia = prolonged occlusion of umbilical vessels. Cat fetus 4 gm., 35 days gestation, normal intestinal motility. 16 mm, 7" reel, black & white
- Box 14                                   **#11 Electrical stimulation of the nonanesthetized monkey cortex no date**  
**Scope and Content Note**  
 title sequence continues: W.W. Chambers, N.B. Everett, & W.F. Windle, Anatomical Laboratories, Universities of Washington & Pennsylvania. Animal seated in restraint chair. 16 mm, 7" reel, color
- Box 14                                   **#12 Convulsive shock treatment in monkeys 1940's (?)**  
**Scope and Content Note**  
 title sequence continues R.G. Siekert, S.C. Williams, and W.F. Windle, Dept. of Anatomy, School of Medicine, University of Pennsylvania. Electric shocks comparable with those used in human therapy were administered through the scarified skin of the head. Reactions varied with strength & duration of shock. Note grand mal type of seizure, interval of unconsciousness, and post-convulsive excitement stage. Monkey #819, 310 m.a., 90 v., 0.4 sec. shock. 16 mm, 5" reel, color
- Box 14                                   **#13 Human fetal movement 1949**  
**Scope and Content Note**  
 Cesarean section. 16 mm, 3" reel, black & white
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- Box 14                    **#14 Holmes (?) 950's (?)**  
                                  **Scope and Content Note**  
                                  young African-American male in wheelchair. 16 mm, 3 1/2" reel, color
- Box 14                    **#15 Motor function in acute subtotal and chronic total chord section no date**  
                                  **Scope and Content Note**  
                                  title sequence continues Laboratory of Neuroanatomical Sciences, NINDB  
                                  Research, no date
- Box 15                    **#16 Status tremoris & neuronal changes in chronically reserpinized monkeys no date**  
                                  **Scope and Content Note**  
                                  title sequence continues: edited by W.F. Windle, from the Laboratory of  
                                  Neuroanatomical Sciences, NINDB. 16 mm, 7" reel, color, magnetic sound
- Box 15                    **#17 Relief of tremor by experimental "chemopallidectomy" in reserpinized monkeys no date**  
                                  **Scope and Content Note**  
                                  title sequence continues E.R. Feringa & W.F. Windle, from the Laboratory of  
                                  Neuroanatomical Sciences, NINDB, NIH, U.S. Dept. HEW. Same as Box 15, #18,  
                                  below. 16 mm, 7" reel, color, magnetic sound
- Box 15                    **#18 Relief of tremor by experimental "chemopallidectomy" in reserpinized monkeys no date**  
                                  **Scope and Content Note**  
                                  same as Box 15, #17, above. 16 mm, 7" reel, color, magnetic sound
- Box 23                    **#19 Behavior of reserpinized chimpanzees no date**  
                                  **Scope and Content Note**  
                                  title sequence continues Jane Joralemon & W.F. Windle, from the Laboratory of  
                                  Neuroanatomical Sciences, NINDB, NIH, PHS, U.S. Dept. HEW. 16 mm, 11" reel,  
                                  color, magnetic sound (?)
- Box 15                    **#20 Tremor in monkeys no date**  
                                  **Scope and Content Note**  
                                  title sequence continues: W.F. Windle & staff of the Laboratory of Neuroanatomical  
                                  Sciences, NINDB, U.S. Dept. HEW. Harmoline. 16 mm, parallel 8 mm images (3D),  
                                  9" reel, color
- Box 24                    **#21 Tremorine "Noah's Ark" no date**  
                                  **Scope and Content Note**  
                                  first animal on film is an opossum. 16 mm parallel 8 mm images (3D), 12" reel,  
                                  color, magnetic sound, 24 fps
- Box 25                    **#22 Rigidity, tremor, etc. in reserpinized monkeys & chimpanzees 1955**  
                                  **Scope and Content Note**  
                                  title sequence continues: W.F. Windle & staff, Laboratory of Neuroanatomical  
                                  Studies, NINDB, NIH, U.S. Dept. HEW, PHS. 16 mm, parallel 8 mm images (3D), 11"  
                                  reel, color
- Box 26                    **#23 Chimp #1 1955**  
                                  **Scope and Content Note**  
                                  normal (?). 16 mm, parallel 8 mm images (3D), 10 1/2" reel, color
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- Box 15                    **#24 "Cerebral palsy" in a monkey surviving asphyxia neonatorum no date**  
**Scope and Content Note**  
title sequence continues. Presented by the staff of the Puerto Rican Field Station of Perinatal Physiology, National Institute of Neurological Diseases & Blindness. 16 mm, 7" reel, color, optical sound; see also Box 16, #25 and #26.
- Box 16                    **#25 "Cerebral palsy" in a monkey surviving asphyxia neonatorum no date**  
**Scope and Content Note**  
same as Box 15, #24 and Box 16, #26. 16 mm, 7" reel, color, sound
- Box 16                    **#26 Cerebral palsy in a monkey surviving asphyxia neonatorum no date**  
**Scope and Content Note**  
content same as Box 15, #24 and Box 16, #25. 16 mm, 7" reel, black & white, sound
- Box 16                    **#27 Neurological defects in a monkey surviving asphyxia neonatorum no date**  
**Scope and Content Note**  
related to Box 13, # 7, Box 14, #10 & #15
- Box 16                    **#28 Asphyxiation of a monkey fetus during spontaneous breech delivery no date**  
**Scope and Content Note**  
title sequence continues Presented by William F. Windle for the staff of the Laboratory of Perinatal Physiology, National Institute of Neurological Diseases & Blindness, and the School of Medicine, University of Puerto Rico. 16 mm, 7" reel, color, magnetic sound ?
- Box 16                    **#29 Asfixia de un feto de un mono durante parto podalico espontaneo no date**  
**Scope and Content Note**  
title sequence continues: presentado por W.F. Windle para el personal del Laboratorio de Fisiologia Perinatal, Instituto Nacional de Enfermedades Neurologicas y Ceguera, y Escuela de Medicina, Universidad de Puerto Rico; content same as English version, Box 16, #28 above. 16 mm, 7" reel, color
- Box 17                    **#30 Deficiencias neurologicas en monos sometidos a asfixia neonatal no date**  
**Scope and Content Note**  
title sequence continues Presentado por William F. Windle, para el personal del Laboratorio del Fisiologia Perinatal, Instituto Nacional de Enfermedades Neurologicas y Cegueras, y Escuela de Medicina, Universidad de Puerto Rico. Titles in Spanish, narration in English. Same as Box 17, #31 & #32. 16 mm, 9" reel, color, sound
- Box 17                    **#31 Deficiencias neurologicas en monos sometidos a asfixia neonatal no date**  
**Scope and Content Note**  
same as Box 17, #30 & #32. 16 mm, 9" reel, color, optical sound
- Box 17                    **#32 Deficiencias neurologicas en monos sometidos a asfixia neonatal no date**  
**Scope and Content Note**  
same as Box 17, #30 & #31. 16 mm, 9" reel, color, optical sound
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- Box 17                                   **#33 Structural changes in the brain no date**  
**Scope and Content Note**  
title sequence continues: Photomicrographs illustrating some of the pathology in animals asphyxiated at birth. Hemorrhage in thalamus... 16 mm, not on reel, color
- Box 17                                   **#34 Kernicterus in asphyxiated newborn monkeys no date**  
**Scope and Content Note**  
title sequence continues: Laboratory of Perinatal Physiology, NINDB, NIH, San Juan, Puerto Rico. Monkey #408. 16 mm, 5" reel, color
- Box 27                                   **#35 Parturition & acceptance of offspring in a monkey retarded by asphyxia neonatorum 1959**  
**Scope and Content Note**  
title sequence continues: Presented by William F. Windle and staff, Laboratory of Perinatal Physiology, San Juan, Puerto Rico. Monkey #69. Production of neurological deficits at birth, 26 Jan 1959. Film review in Box 7, F5. 16 mm, 10 1/2" reel, color
- Box 28                                   **#36 Monkey #176, M081760 1960-1961**  
**Scope and Content Note**  
photographed on 9/29/60, 10/20/60, 10/27/60, 12/23/60, 3/3/61, & 5/2/61; for notebook, see Box 2, F11. 16 mm, 7" reel, color, magnetic sound (?)
- Box 29                                   **#37 Monkey #180, M082660 1960**  
**Scope and Content Note**  
asphyxiated at birth; photographed at 2:30 pm, 8/26/60, and on 9/29/60, 10/20/60, and 10/27/60. 16 mm, 11" reel, color; see also Box 2, F12
- Box 17                                   **#38 Monkey #180, M082660, 1961**  
**Scope and Content Note**  
photographed 3/3/61, age 27 weeks; and 5/3/61, age 35 weeks, 6 days. 16 mm, 10 1/2" reel, color
- Box 18                                   **#39 Monkeys #176 & #181, optical sound test 1961**  
**Scope and Content Note**  
#181, M090860, photographed 2/24/61; #176 photographed 3/3/61. 16 mm, 7" reel, color, sound (?)
- Box 18                                   **#40 Neurological defects in mature monkeys asphyxiated at birth 1963**  
**Scope and Content Note**  
title sequence continues: photographed Sept. 1963. Presented by William F. Windle for the staff of the Laboratory of Perinatal Physiology, San Juan, Puerto Rico. Unasphyxiated control monkey M012759; also monkey M011359. 16 mm, 7" reel, color, magnetic sound?
- Box 18                                   **#41 Free-ranging monkeys no date**  
**Scope and Content Note**  
Puerto Rico ? 16 mm, 3 1/2" reel, color
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|--------|---|
| Box 30 | <p><b>#42 The rhesus monkeys of Santiago Island (Cayo Santiago), Puerto Rico no date</b></p> <p><b>Scope and Content Note</b></p> <p>title sequence continues: Produced &amp; photographed by Charles W. Schwartz &amp; Elizabeth R. Schwartz, in collaboration with Carl B. Koford, Chief, Section of Primate Ecology, Laboratory of Perinatal Physiology, NINDB, &amp; University of Puerto Rico. 16 mm, 12 1/2" reel, color, optical sound</p> |
| Box 18 | <p><b>#43 Retarded monkeys 1969</b></p> <p><b>Scope and Content Note</b></p> <p>written on film: retarded monkeys -Ubou (?). Copy made by CBS Library, aired on WCBS in Feb. 1969. Shows announcer (?) and Windle next to monkeys in cages. 16 mm, 3 1/2" reel, color, optical sound</p>  |
| Box 18 | <p><b>#44 No title no date</b></p> <p><b>Scope and Content Note</b></p> <p>monkey in restraining chair. 16 mm, 7" reel, color, sound</p>  |
| Box 18 | <p><b>#45 No title no date</b></p> <p><b>Scope and Content Note</b></p> <p>Title sequence: Participantes en la investigacion: M. Ramirez de Arellano, C.M. Combs, E. Hibbard, W.F. Windle, Maria I. Robert de Ramirez de Arellano. Monkey in restraining chair. 16 mm, 3 1/2" reel, color</p>   |

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**Personal Films**

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|--------|---|
| Box 18 | <p><b>#46 Baby, Chicago 1928-1929</b></p> <p><b>Scope and Content Note</b></p> <p>daughter (?). 16 mm, 7" reel, black &amp; white</p>                     |
| Box 18 | <p><b>#47 Mary K., Newark 1929 or 1930</b></p> <p><b>Scope and Content Note</b></p> <p>daughter Mary Katharine. 16 mm, 3 1/2" core, black &amp; white</p> |
| Box 18 | <p><b>#48 Thanksgiving, Bloomington, IL 1929</b></p> <p><b>Scope and Content Note</b></p> <p>16 mm, 3 1/2" reel, black &amp; white</p>                    |
| Box 18 | <p><b>#49 Family 1930</b></p> <p><b>Scope and Content Note</b></p> <p>16 mm, 7" reel, black &amp; white</p>   |
| Box 19 | <p><b>#50 Family 1931-1932</b></p> <p><b>Scope and Content Note</b></p> <p>girls in park, visit to the zoo, etc. 16 mm, 7" reel, black &amp; white</p>    |
| Box 19 | <p><b>#51 Carolyn &amp; both children 1933 (?)</b></p> <p><b>Scope and Content Note</b></p> <p>16 mm, 3 1/2" reel, black &amp; white, some fading</p>     |

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|--------|---|
| Box 19 | <p><b>#52 Family 1933-1934</b><br/> <b>Scope and Content Note</b><br/>         Washington, New York, Chicago, Bass Lake. 16 mm, 7" reel, black &amp; white</p>                        |
| Box 19 | <p><b>#53 England &amp; Germany 1936</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 7" reel, black &amp; white</p>  |
| Box 19 | <p><b>#54 Italy 1936</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 3 1/2" reel, black &amp; white</p>  |
| Box 19 | <p><b>#55 Family 1937-1941</b><br/> <b>Scope and Content Note</b><br/>         penciled on can: 1937-1939; penciled on reel: through Xmas 1941. 16 mm, 7" reel, black &amp; white</p> |
| Box 19 | <p><b>#56 Evanston ca. 1941-1943</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 7" reel, color</p>  |
| Box 20 | <p><b>#57 Evanston Northbrook (?), no date</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 7" reel, color</p>  |
| Box 20 | <p><b>#58 Seattle 1946-1947</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 7" reel, color</p>   |
| Box 20 | <p><b>#59 Wayne PA, 1948-1950</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 5" reel, color</p>   |
| Box 20 | <p><b>#60 Summer 1950</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 3 1/2" reel, color, some fading</p>  |
| Box 20 | <p><b>#61 Europe 1950</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 7" reel, color</p>   |
| Box 20 | <p><b>#62 Pamlico summer 1951, Evanston, 1952</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 3 1/2" reel, color, some fading</p>  |
| Box 20 | <p><b>#63 Caribbean 1953</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 3 1/2" reel, color, some fading</p>   |
| Box 20 | <p><b>#64 Caribbean winter 1953</b><br/> <b>Scope and Content Note</b><br/>         16 mm, 3 1/2" reel, color, some fading</p>  |
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Personal Films

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Box 20

**#65 George, school, Lawndale, Evanston spring 1953**

**Scope and Content Note**

16 mm, 3 1/2" reel, color

Box 20

**#66 Bethesda & Bay View 1956**

**Scope and Content Note**

16 mm, 3" reel, color