

# A guide to the John W. Saunders, Jr. papers, 1941-2002

Archives of the Marine Biological Laboratory  
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## Collection Overview:

**Title:** John W. Saunders, Jr. papers, 1941-2002  
**Date Range:** 1941-2002  
**Creator:** Saunders, John Warren, 1919-  
**Extent:** Eleven 24" x 12" boxes  
**Language:** Materials are in English  
**Repository:** Marine Biological Laboratory Archives  
**Collection number:** MC-MBL-Saunders/Sci, AC2006-06

## Administrative Information:

**Provenance:** This collection was given to the MBL archives as a gift from John W. Saunders, Jr. directly.  
**Preferred Citation:** Papers of John W. Saunders, Jr., 1941-2002. MC-MBL, "Folder Name." Marine Biological Laboratory Archives, Marine Biological Laboratory.  
**Access:** Contact [archives@mbl.edu](mailto:archives@mbl.edu) for access.  
**Processing Information:** This collection was processed by Diane Rielinger. Personal items of Saunders were removed for privacy issues.  
**Finding Aid Information:** This finding aid was prepared by Lindsey Fresta on May 13, 2011 and updated by Diane Rielinger in December 2014.

## Biographical Sketch:

John Warren Saunders, Jr. was born in Muskogee, Oklahoma in 1919. Growing up during the Great Depression, Saunders began working and earning money at the age of eight to help financially support his family. He was a strong student and went on after high school to enter the University of Oklahoma in 1936. Studying Zoology and Botany, Saunders earned a B.S and stayed on to earn a M.S in 1941. When the United States entered World War II, he enlisted in the Navy and served as an officer in the Pacific theater in 1943. From 1943-1946 his ship participated in nine island-hopping invasions. Upon his homecoming in January 1946 he entered Johns Hopkins University and earned a PhD in Zoology in 1948.

Saunders met his wife, Lilyan and together they had five children: Sarah, Jack, Maggie, Michael and Kitty. Saunders and his family summered in Woods Hole beginning in 1959, and in 1985, he and Lilyan retired and settled in Falmouth.

He began his teaching career as an instructor in zoology at the University of Chicago from 1948 to 1949. From there he joined Marquette University in 1949 as an Assistant Professor of zoology, progressing to Associate Professor, Professor, and eventually to Chairman of the Biology Department. He left the University in 1965 and accepted a position at the University of Pennsylvania as a Professor of anatomy. In 1967 he left Pennsylvania and was appointed Leading Professor of Biological Sciences at the State University of New York at Albany, where he remained until 1985 when he was distinguished as Professor Emeritus.

He is most well known for his contributions to the field of developmental biology, and his research remains central to the understanding of vertebrate limb development. His research helped to identify the role of secreted growth factors emanating from the apical ectodermal ridge (AER). Additionally, Saunders and his colleagues were some of the earliest investigators to study cell death as a part of normal development.

Saunders was a member of corporation of the Mount Desert Island Biological Laboratory in Salisbury Cove, ME, from 1954 to 1983, also serving as a summer investigator there from 1954 to 1958. He also became a member of corporation of Marine Biological Laboratory in Woods Hole in 1959 and served on the Board of Trustees from 1969 to 1972. He was a summer investigator at the MBL from 1958 to 1972 and also taught courses in embryology from 1958 to 1963 and again from 1995 to 2003.

From the start of his career Saunders was involved in several prestigious scientific societies. In 1946 he joined the American Association for the Advancement of Science. In 1948 Saunders became a member of the American Society of Zoologists, serving as program officer from 1959 to 1962, membership committee chairman from 1959 to 1960, chair of the developmental biology division in 1963, and secretary from 1964 to 1966. He became a member of the Society for the Development of Biology in 1966, serving on the executive committee from 1967 to 1969 and as president in 1968. In 2006 Saunders was elected to The National Academy of Sciences – an achievement considered to be one of the highest honors in American science and engineering. Other memberships include the Wisconsin Academy of Sciences, Arts and Letters (1950); American Institute of Biological Sciences (1957); the New York Academy of Sciences (1958); Society for Experimental Biology and Medicine (1964); Association for the Advancement of Aging Research (1969), and council member from 1969 to 1970; the Society for Cell Biology (1960); and he is an emeritus of the American Association of Anatomists.

## **Scope and Content:**

This collection consists of Saunders' personal correspondence, files on his post-doctoral and graduate students, universities and lecture files, embryo microscopy and miscellaneous microscopy files, course binder materials, and other miscellaneous files pertaining to his research and education from 1941 to 2002.

## Arrangement:

This collection maintains Saunders' original organizational scheme. Original folder labels were also maintained.

## Inventory:

| Box Title      | Box # | Folder # | Folders: Description                                       | Dates     |
|----------------|-------|----------|--|-----------|
| Correspondence | 1     | 1        | Abbott, U.K.   | 1963-1969 |
| Correspondence | 1     | 2        | Abramoff, Peter  | 1951-1973 |
| Correspondence | 1     | 3        | Allen, Robert D.   | 1966-1977 |
| Correspondence | 1     | 4        | Amprino, Rudolph   | 1958-1976 |
| Correspondence | 1     | 5        | Bell, Eugene   | 1958-1969 |
| Correspondence | 1     | 6        | Cairns, Jack (4 of 4)                                      | 1968-1975 |
| Correspondence | 1     | 7        | Cairns, Jack (includes some data and photographs) (3 of 4) | 1956-1967 |
| Correspondence | 1     | 8        | Cairns, Jack (includes photographs) (2 of 4)               | 1955-1978 |
| Correspondence | 1     | 9        | Cairns, Jack (1 of 4)                                      | 1952-1978 |
| Correspondence | 1     | 10       | Collins, Evan (President of SUNY)                          | 1967-1968 |
| Correspondence | 1     | 11       | Coulombre, A.J.  | 1962-1971 |
| Correspondence | 1     | 12       | Drummond, E.J.   | 1949-1962 |
| Correspondence | 1     | 13       | Ebert, James D.  | 1959-1972 |
| Correspondence | 1     | 14       | Edds, Mac V. (1 of 2)                                      | 1959-1963 |
| Correspondence | 1     | 15       | Edds, Mac V. (2 of 2)                                      | 1965-1975 |
| Correspondence | 1     | 16       | Evans, Gaynor  | 1950-1974 |
| Correspondence | 1     | 17       | Gasseling, Mary  | 1954-1968 |
| Correspondence | 1     | 18       | Goodyear Publishing Company, Inc. - Susan C. Steiner       | 1974-1975 |
| Correspondence | 1     | 19       | Hamburger, Viktor  | 1949-1969 |
| Correspondence | 1     | 20       | Hamilton, Howard L.  | 1949-1973 |
| Correspondence | 1     | 21       | Hare, W.C.D.   | 1966-1967 |
| Correspondence | 1     | 22       | Harper and Row, Publishers                                 | 1974-1978 |
| Correspondence | 1     | 23       | Hinchliffe, J.R.   | 1972-1973 |
| Correspondence | 1     | 24       | Kieny, Madeleine   | 1973-1979 |
| Correspondence | 1     | 25       | King, Thomas J.  | 1962-1971 |
| Correspondence | 1     | 26       | Macmillan Company (3 of 3)                                 | 1979-1994 |
| Correspondence | 1     | 27       | Macmillan Company (2 of 3)                                 | 1967-1980 |
| Correspondence | 1     | 28       | Macmillan Company (1 of 3)                                 | 1963-1974 |
| Correspondence | 1     | 29       | Markert, Clement L.  | 1948-1970 |
| Correspondence | 1     | 30       | Mascarenhas, Joseph  | 1968-1975 |
| Correspondence | 1     | 31       | McWhinnie, Dolores J.                                      | 1960-1974 |
| Correspondence | 1     | 32       | O'Brien, John P.   | 1955-1960 |
| Correspondence | 1     | 33       | O'Donnell, E.J.  | 1951-1961 |
| Correspondence | 1     | 34       | Pierro, Louis (includes envelope of data)                  | 1953-1965 |

| Box Title      | Box # | Folder # | Folders: Description   | Dates           |
|----------------|-------|----------|--|-----------------|
| Correspondence | 1     | 35       | Rawles, Mary<br>Spurbeck, John   | 1948-1972       |
| Correspondence | 1     | 36       | Reis, Raymond  | 1947-1958       |
| Correspondence | 1     | 37       | Prentice-Hall (Ed Lugenbeel)   | 1967-1975       |
| Correspondence | 1     | 38       | Riina, John (Prentice-Hall) (2 of 2)                                       | 1967-1975       |
| Correspondence | 1     | 39       | Riina, John (Prentice-Hall) (1 of 2)                                       | 1965-1966       |
| Correspondence | 1     | 40       | Rosen, Walter G.   | 1966-1970       |
| Correspondence | 1     | 41       | Runner, Meredith   | 1960-1973       |
| Correspondence | 1     | 42       | Trinkaus, J.P.   | 1955-1977       |
| Correspondence | 1     | 43       | Watterson, Ray L.  | 1948-1992       |
| Correspondence | 1     | 44       | Weiss, Paul  | 1948-1963       |
| Correspondence | 1     | 45       | Willier, B.H.  | 1941-1971       |
| Correspondence | 1     | 46       | Zwilling, Edgar  | 1954-1971       |
|                | 2     | 1        | March of Dimes letters   | 1997<br>(1987?) |
|                | 2     | 2        | John W. Saunders - M.S. Thesis<br>(draft, includes illustrations)          |                 |
|                | 2     | 3        | Transcripts - University of Oklahoma                                       | 1941            |
|                | 2     | 4        | Personal   |                 |
|                | 2     | 5        | Professional Activities - to April 1957                                    |                 |
|                | 2     | 6        | Sabbatical Requests  | 1975-1983       |
|                | 2     | 7        | Scanning EMs of Ridge  |                 |
|                | 2     | 8        | EMs (Electron Micrographs)   |                 |
|                | 2     | 9        | EMs (Electron Micrographs)   |                 |
|                | 2     | 10       | Vita, etc. (includes photograph)   |                 |
|                | 2     | 11       | Curriculum Vitae<br>Master & Copies & Bibliography                         | 1984-1986       |
|                | 2     | 12       | Publications to 1999   |                 |
|                | 2     | 13       | NSF - Progress Report 1972<br>original minus Figure 1                      | 1972            |
|                | 2     | 14       | Reports by Ronald Sadler   | 1980-1981       |
|                | 2     | 15       | Reprints and articles, consisting primarily of<br>Research in Reproduction | 1961-1980       |
|                | 2     | 16       | Biology 250<br>Fall 1983   | 1983            |
|                | 2     | 17       | Bio 605 - Verena Diemer  | 1984            |
|                | 2     | 18       | Biology 403 & 503  | 1985            |
|                | 2     | 19       | Trinkaus Ms.   | 2002            |
|                | 2     | 20       | NE Regional DB   | 2002            |
|                | 2     | 21       | Elderhostel  | 2000            |
|                | 2     | 22       | NE Regional DB<br>March 24-26, 2000  | 2000            |
|                | 2     | 23       | 7th International Limb Conference  | 2000            |

| <b>Box Title</b> | <b>Box #</b> | <b>Folder #</b> | <b>Folders: Description</b>                                  | <b>Dates</b> |
|------------------|--------------|-----------------|--|--------------|
|                  | 2            | 24              | Elderhostel  | 1999         |
|                  | 2            | 25              | Kuhlman Thesis - 4/18/1998                                   | 1998         |
|                  | 2            | 26              | St. Mary's College of Maryland - Presentation<br>4/14/1999   | 1999         |
|                  | 2            | 27              | NE Regional DB<br>March 12-14, 1999                          | 1999         |
|                  | 2            | 28              | Lillie Chair   | 1998         |
|                  | 2            | 29              | U of Missouri - Columbia<br>November 2-4, 1998               | 1998         |
|                  | 2            | 30              | JEZ Manuscript   | 1997         |
|                  | 2            | 31              | Sixth International Conference - Limb<br>Sun Valley May 1998 | 1998         |
|                  | 2            | 32              | NE Regional SWB Mtng<br>April 17-19, 1998                    | 1998         |
|                  | 2            | 33              | Bronner-Fraser Intro<br>July 4, 1997                         | 1997         |
|                  | 2            | 34              | Yntema Memorial Lecture<br>10/15/97                          | 1997         |
|                  | 2            | 35              | Elderhostel MBL<br>Nov. 30 - Dec. 6, 1997                    | 1997         |
|                  | 2            | 36              | Princeton<br>May 15, 1997                                    | 1997         |
|                  | 2            | 37              | NE Regional Dev Biol<br>April 18-20, 1999                    | 1999         |
|                  | 2            | 38              | Elderhostel 1996<br>12/17-23/96                              | 1996         |
|                  | 2            | 39              | Wisconsin Anatomy<br>October 24, 1996                        | 1996         |
|                  | 2            | 40              | Cutaneous Biology Res. Cntr<br>March 3, 1997                 | 1997         |
|                  | 2            | 41              | SDB Nashville<br>05/30-06/04/96                              | 1996         |
|                  | 2            | 42              | Cincinnati - Children's Hospital Med Center<br>09/04/96      | 1996         |
|                  | 2            | 43              | NE Regional DB<br>05/03-05-96                                | 1996         |
|                  | 2            | 44              | Duke University<br>04/17/96                                  | 1996         |
|                  | 2            | 45              | Fifth Limb Conference<br>03/25-28/1996                       | 1996         |
|                  | 2            | 46              | Elderhostel MBL<br>12/12-18/1995                             | 1995         |
|                  | 2            | 47              | NE Regional DB Conference<br>Woods Hole                      | 1995         |

| Box Title                              | Box # | Folder # | Folders: Description   | Dates     |
|--|-------|----------|--|-----------|
|  |       |          | 03/31/95-04/02/95  |           |
|  | 2     | 48       | Harvard (MacMahon Lab)<br>8/24/94  | 1994      |
|  | 2     | 49       | Sloan-Kettering (Lee Niswander)<br>05-3-5/94                                     | 1994      |
|  | 2     | 50       | UMed-Dent - NJ (Feinberg)<br>05/2-3/94   | 1994      |
|  | 2     | 51       | NE Regional DB Conference<br>Woods Hole<br>04/15/94                              | 1994      |
|  | 2     | 52       | Tabin Lab<br>03/23/94  | 1994      |
|  | 2a    | 1        | Wellcome Institute<br>London 1994  | 1994      |
|  | 2a    | 2        | Cantabria - 1993   | 1993      |
|  | 2a    | 3        | NE Regional DB Conf<br>Woods Hole 1993   | 1993      |
|  | 2a    | 4        | Elderhostel MBL<br>December 6-12, 1992   | 1992      |
|  | 2a    | 5        | Queens College CUNY<br>Sept. 21, 1992  | 1992      |
|  | 2a    | 6        | NE Regional DB Conf<br>May 1-3, 1992   | 1992      |
|  | 2a    | 7        | U. Mass Dartmouth<br>Dec. 4, 1991<br>Limb Development & Deformity                | 1991      |
|  | 2a    | 8        | Northeast Regional Developmental Biology<br>Symposium - MBL<br>April 20-22, 1990 | 1990      |
|  | 2a    | 9        | Is Vitamin A a "Morphogentic Molecule"<br>Dec. 3, 1990                           | 1990      |
|  | 2a    | 10       | Asilomar 1992<br>4th Limb Conference   | 1992      |
| Post-Doctoral and<br>Graduate Students | 4     | 1        | Brown, Patricia S.   | 1968-1974 |
| Post-Doctoral and<br>Graduate Students | 4     | 2        | Chiquoine, A. Duncan   | 1970      |
| Post-Doctoral and<br>Graduate Students | 4     | 3        | Crosby, Gayle M.   | 1967-1969 |
| Post-Doctoral and<br>Graduate Students | 4     | 4        | Feldman, Martin K.   | 1966-1969 |
| Post-Doctoral and<br>Graduate Students | 4     | 5        | Berlinrood, Martin   | 1968-1970 |

| <b>Box Title</b>                    | <b>Box #</b> | <b>Folder #</b> | <b>Folders: Description</b> | <b>Dates</b> |
|-------------------------------------|--------------|-----------------|-----------------------------|--------------|
| Post-Doctoral and Graduate Students | 4            | 6               | Globus, Morton              | 1968-1972    |
| Post-Doctoral and Graduate Students | 4            | 7               | MacCabe, Jeffrey A.         | 1969-1981    |
| Post-Doctoral and Graduate Students | 4            | 8               | Sr. M. Andreau, B.V.M       | 1964-1965    |
| Post-Doctoral and Graduate Students | 4            | 9               | Balcuns, Astrida J.         | 1968-1974    |
| Post-Doctoral and Graduate Students | 4            | 10              | Chang, Kyung Soon           | 1969-1974    |
| Post-Doctoral and Graduate Students | 4            | 11              | Chinchinian, Harry          | 1956-1957    |
| Post-Doctoral and Graduate Students | 4            | 12              | Deysach, Larry              | 1960         |
| Post-Doctoral and Graduate Students | 4            | 13              | Fallon, John                | 1963-1979    |
| Post-Doctoral and Graduate Students | 4            | 14              | Feinberg                    | 1982         |
| Post-Doctoral and Graduate Students | 4            | 15              | Errick, Janice              | 1972-1976    |
| Post-Doctoral and Graduate Students | 4            | 16              | Feinberg, Richard           | 1975-1980    |
| Post-Doctoral and Graduate Students | 4            | 17              | Fennessy, Jane              | 1957-1958    |
| Post-Doctoral and Graduate Students | 4            | 18              | Gallagher, Frank            | 1954         |
| Post-Doctoral and Graduate Students | 4            | 19              | Gasseling, Mary T.          | 1954-1956    |
| Post-Doctoral and Graduate Students | 4            | 20              | Heinkel, Donald             | 1963-1988    |
| Post-Doctoral and Graduate Students | 4            | 21              | Held, William A.            | 1963-1978    |
| Post-Doctoral and Graduate Students | 4            | 22              | Houts, Larry Lee            | 1966-1979    |
| Post-Doctoral and Graduate Students | 4            | 23              | Norma Johnson               | 1960-1963    |
| Post-Doctoral and Graduate Students | 4            | 24              | Kelly, F.J.                 | 1957         |
| Post-Doctoral and Graduate Students | 4            | 25              | Kos, Edward S.              | 1950-1957    |
| Post-Doctoral and Graduate Students | 4            | 26              | Lewis, Annie Laura          | 1959-1965    |
| Post-Doctoral and Graduate Students | 4            | 27              | Marasco, Daniel P.          | 1957         |

| <b>Box Title</b>                    | <b>Box #</b> | <b>Folder #</b> | <b>Folders: Description</b> | <b>Dates</b> |
|-------------------------------------|--------------|-----------------|-----------------------------|--------------|
| Post-Doctoral and Graduate Students | 4            | 28              | Marion David Sr.            | 1956-1962    |
| Post-Doctoral and Graduate Students | 4            | 29              | McArdle, Eugene             | 1955-1958    |
| Post-Doctoral and Graduate Students | 4            | 30              | McWhinnie, Dolores (1 of 2) | 1961-1968    |
| Post-Doctoral and Graduate Students | 4            | 31              | McWhinnie, Dolores (2 of 2) | 1965         |
| Post-Doctoral and Graduate Students | 4            | 32              | Morbeck, Floyd              | 1950-1951    |
| Post-Doctoral and Graduate Students | 4            | 33              | Pula, Peggy                 | 1956-1962    |
| Post-Doctoral and Graduate Students | 4            | 34              | Quevedo, Walter C.          | 1952-1974    |
| Post-Doctoral and Graduate Students | 4            | 35              | Reuss, Cecelia (2 of 2)     | 1965-1973    |
| Post-Doctoral and Graduate Students | 4            | 36              | Cecilia Reuss (1 of 2)      | 1966-1967    |
| Post-Doctoral and Graduate Students | 4            | 37              | Richardson, Fred            | 1955         |
| Post-Doctoral and Graduate Students | 4            | 38              | Ricklin, Marilyn            | 1965-1967    |
| Post-Doctoral and Graduate Students | 4            | 39              | Rivard, Barbara             | 1960-1961    |
| Post-Doctoral and Graduate Students | 4            | 40              | Rubin, Leo                  | 1966-1972    |
| Post-Doctoral and Graduate Students | 4            | 41              | Snyder, Ray                 | 1954-1956    |
| Post-Doctoral and Graduate Students | 4            | 42              | Taderera, Joseph            | 1959-1967    |
| Post-Doctoral and Graduate Students | 4            | 43              | Tomais, Sister Mary         | 1959-1972    |
| Post-Doctoral and Graduate Students | 4            | 44              | Wittman, Karl S.            | 1966-1972    |
| Post-Doctoral and Graduate Students | 4            | 45              | Sue O'Connor                |              |
| Post-Doctoral and Graduate Students | 4            | 46              | Rubin, Leo                  | 1971         |
| Post-Doctoral and Graduate Students | 4            | 47              | Sauer, Peggy                | 1970-1973    |
| Post-Doctoral and Graduate Students | 4            | 48              | Shienvold, Frances          | 1971-1977    |
| Post-Doctoral and Graduate Students | 4            | 49              | Tomasek                     | 1978         |



| <b>Box Title</b>                    | <b>Box #</b> | <b>Folder #</b> | <b>Folders: Description</b>   | <b>Dates</b> |
|-------------------------------------|--------------|-----------------|---|--------------|
| Post-Doctoral and Graduate Students | 4            | 50              | Czajka, Mary Rose   | 1980         |
| Post-Doctoral and Graduate Students | 4            | 51              | Bruce, Sally  | 1973-1974    |
| Post-Doctoral and Graduate Students | 4            | 52              | Fitzharris, Tim   | 1969-1970    |
| Post-Doctoral and Graduate Students | 4            | 53              | Feinberg, Richard   | 1979-1980    |
| Post-Doctoral and Graduate Students | 4            | 54              | Izzard, Sally   | 1970         |
| Post-Doctoral and Graduate Students | 4            | 55              | Perle, M.A.   | 1978-1979    |
|                                     | 5            | 1               | Developmental Biology Motion Pictures Steering Committee<br>(5 of 5)                    | 1972-1979    |
|                                     | 5            | 2               | Developmental Biology Motion Pictures Steering Committee<br>(4 of 5)                    | 1970-1971    |
|                                     | 5            | 3               | Developmental Biology Motion Pictures Steering Committee<br>(3 of 5)                    | 1966-1969    |
|                                     | 5            | 4               | Developmental Biology Motion Pictures Steering Committee<br>(2 of 5)                    | 1966         |
|                                     | 5            | 5               | Developmental Biology Motion Pictures Steering Committee<br>(1 of 5)                    | 1964-1970    |
|                                     | 5            | 6               | Developmental Biology   | 1969-1971    |
|                                     | 5            | 7               | Journal - Mechanisms of Aging & Development (MAD)                                       | 1971-1977    |
|                                     | 5            | 8               | Journal of Experimental Zoology   | 1968-1974    |
|                                     | 5            | 9               | Journal of Morphology   | 1962-1972    |
|                                     | 5            | 10              | Northeast Regional Developmental Biology Conference                                     | 1991         |
|                                     | 5            | 11              | Trinkaus Celebration<br>May 22, 23, 24, 1988  | 1988         |
|                                     | 5            | 12              | NE Regional DB Conference<br>Nov. 1988  | 1988         |
|                                     | 5            | 13              | Marquette University<br>Dist. Service Award<br>Oncogenes Symposium<br>March 17-19, 1988 | 1988         |
|                                     | 5            | 14              | [Cellular Basis of Morphogenesis]<br>[May 22-25, 1988]                                  | 1988         |

| Box Title | Box # | Folder # | Folders: Description  | Dates     |
|-----------|-------|----------|---|-----------|
|           | 5     | 15       | 1986 Regional DB Conference<br>(see also 1986-86 correspondence/misc)                                     | 1986      |
|           | 5     | 16       | Bess Huff project<br>Carol Hamilton   | 1982      |
|           | 5     | 17       | Singer Symposium<br>Sept. 1985  | 1985      |
|           | 5     | 18       | Southern Society of Anatomists<br>October 1982  | 1982      |
|           | 5     | 19       | Limb Morphogenesis<br>Storrs - June 1982  | 1982      |
|           | 5     | 20       | Willier Seating   | 1981-1982 |
|           | 5     | 21       | Purdue University, Nov. 16, 1981<br>Javois Thesis defense   | 1981      |
|           | 5     | 22       | Morphogenesis and Pattern Formation<br>April 11-13, Ann Arbor   | 1979-1980 |
|           | 5     | 23       | [19th Southeastern Developmental Biology<br>Conference]<br>[March 10-12, 1977]                            | 1977      |
|           | 5     | 24       | Vertebrate Limb and Somite Morphogenesis<br>Glasgow, August 31-Sept. 3, 1976                              | 1976      |
|           | 5     | 25       | Glasgow, Scotland<br>August-September, 1976<br>[Symposium on Vertebrate Limb and Somite<br>Morphogenesis] | 1976      |
|           | 5     | 26       | Society of General Physiologists<br>Woods Hole, MA<br>Sept. 13-16, 1976                                   | 1976      |
|           | 5     | 27       | Southeastern Developmental Biology Conference<br>U. North Carolina, Greensboro<br>March 10-12, 1977       | 1977      |
|           | 5     | 28       | NIH Study Section - Cell Biol<br>2-17-77/2-20-77  | 1977      |
|           | 5     | 29       | Second Workshop on the Limb<br>June 18-21, 1975   | 1975      |
|           | 5     | 30       | September or October 1974<br>Univ. of Maine - Orono, Maine  | 1974      |
|           | 5     | 31       | Conference of Programs on Human Development<br>June 17-18, 1974<br>U. of Michigan                         | 1974      |
|           | 5     | 32       | June 10, 11, 1974<br>Damon Runyon Cancer Fund<br>New York City  | 1974      |
|           | 5     | 33       | Am Soc Cell Biol<br>Nov. 14-17, 1973  | 1973      |

| Box Title | Box # | Folder # | Folders: Description   | Dates |
|-----------|-------|----------|--|-------|
|           | 5     | 34       | October 17, 1973<br>Research Fdn. Panel SUNY-Albany  | 1973  |
|           | 5     | 35       | 15th Annual Southeastern Developmental Biology<br>Conference<br>Knoxville, Tenn.<br>April 16-17, 1973                      | 1973  |
|           | 5     | 36       | NIH Site Visit<br>Univ. of Rochester<br>November 27-28, 1972   | 1972  |
|           | 5     | 37       | XIIIth Internat. Congress of Cell Biol.<br>September 3-8th, 1972,<br>University of Sussex, Falmer (England)                | 1972  |
|           | 5     | 38       | Conference on Limb Bud Development<br>September 1972<br>Grenoble, FRANCE   | 1972  |
|           | 5     | 39       | 31st Symposium of the Society for Developmental<br>Biology<br>Wesleyan Univ., Middletown, Conn.<br>June 7-10, 1972         | 1972  |
|           | 5     | 40       | Temple University<br>Stark, Robert J.<br>1-3-72 Examining Committee  | 1972  |
|           | 5     | 41       | October 11-13, 1971<br>Symposium - Biology of Aging<br>Argonne National Laboratory   | 1971  |
|           | 5     | 42       | Summer Course - Biology of Aging<br>Sept. 6-17, 1971<br>Bar Harbor, Maine  | 1971  |
|           | 5     | 43       | CC-CUNY<br>Site Visit<br>July 14-15, 1971  | 1971  |
|           | 5     | 44       | "Patterns of Integration from Biochemical to<br>Behavioral Processes"<br>New York Academy of Sciences<br>May 3, 4, 5, 1971 | 1971  |
|           | 5     | 45       | American Assn. of Anatomists<br>April 19-22, 1971  | 1971  |
|           | 5     | 46       | April 19, 1971<br>Cajal Club<br>Philadelphia, Penna.   | 1971  |
|           | 5     | 47       | April 4-6, 1971<br>NSF Site Visit<br>Dr. Saunders - Dr. Antone G. Jacobson<br>2 PO1 HD 03803-01 - Univ. of Texas           | 1971  |

| Box Title      | Box # | Folder # | Folders: Description  | Dates |
|----------------|-------|----------|---|-------|
|                | 5     | 48       | January 7-8, 1971<br>Site Visit<br>Iowa City, Iowa  | 1971  |
|                | 5     | 49       | Lake Placid Conference on Aging<br>October 14, 15, 16, 1970                                 | 1970  |
|                | 5     | 50       | 21st Annual AIBS Meeting<br>August 23-29, 1970<br>Bloomington, Indiana                      | 1970  |
|                | 5     | 51       | 2nd Summer Course on the Biology of Aging<br>July 6-17, 1970<br>Stanford University         | 1970  |
| Course binders | 6     | 1        | Saunders, et. al. Fig. 1  | 1958  |
| Course binders | 6     | 2        | Woods Hole Embryology Course  | 1959  |
| Course binders | 6     | 3        | Embryology Course   | 1960  |
| Course binders | 6     | 4        | MBL Embryology Course   | 1995  |
| Course binders | 6     | 5        | Elderhostel at MBL<br>November 7-12, 1999   | 1999  |
| Course binders | 6     | 6        | MBL Elderhostel   | 1997  |
| Course binders | 6     | 7        | Elderhostel   | 1995  |
|                | 7     | 1        | May 2, 1973<br>Middlebury College<br>Limb Development and deformity                         | 1973  |
|                | 7     | 2        | May 1, 1973<br>U. Of Wisconsin, Madison, Wisc.  | 1973  |
|                | 7     | 3        | April 18, 1973<br>Control of Outgrowth & Differentiation<br>Univ. of Chicago, Chicago, Ill. | 1973  |
|                | 7     | 4        | February 22, 1973<br>U. of Pennsylvania, Philadelphia                                       | 1973  |
|                | 7     | 5        | November 30, 1972<br>University Series<br>Control of Limb Development and Deformity         | 1972  |
|                | 7     | 6        | November 15, 1972<br>Harvard Med. School, Boston  | 1972  |
|                | 7     | 7        | May 11, 1972<br>Institute for Medical Research<br>Camden, New Jersey                        | 1972  |
|                | 7     | 8        | May 4, 1972<br>Clark Univ., Worcester, Mass.  | 1972  |
|                | 7     | 9        | March 2, 1972<br>Univ. of Connecticut, Storrs, Conn.  | 1972  |
|                | 7     | 10       | January 12-13, 1972<br>Univ. of Miami, Coral Gables, Fla.                                   | 1972  |
|                | 7     | 11       | January 5, 1972   | 1972  |

| Box Title | Box # | Folder # | Folders: Description  | Dates |
|-----------|-------|----------|---|-------|
|           |       |          | Capitol District Research Directors   |       |
|           | 7     | 12       | November 29, 1971<br>SUNY-Albany<br>Biochemistry Seminar  | 1971  |
|           | 7     | 13       | May 18, 1971<br>Case Western Reserve, Cleveland   | 1971  |
|           | 7     | 14       | May 13-14, 1971<br>Virginia Polytechnic Institute<br>Blacksburg, Va.                            | 1971  |
|           | 7     | 15       | April 1, 1971<br>Biology Club, SUNY-Albany  | 1971  |
|           | 7     | 16       | February 10, 1971<br>Mount Holyoke College<br>South Hadley, Massachusetts                       | 1971  |
|           | 7     | 17       | January 21, 1971<br>Michigan State University<br>East Lansing, Michigan                         | 1971  |
|           | 7     | 18       | December 10, 1970<br>University of Michigan, Ann Arbor, Michigan                                | 1970  |
|           | 7     | 19       | November 5, 1970<br>McGill Univ., Montreal  | 1970  |
|           | 7     | 20       | Biology Club SUNYA<br>Fall 1970   | 1970  |
|           | 7     | 21       | May 4, 1970<br>State University College at Oswego<br>Oswego, New York                           | 1970  |
|           | 7     | 22       | April 15, 1970<br>Univ. of Kentucky<br>Control of outgrowth and symmetry in the vertebrate limb | 1970  |
|           | 7     | 23       | April 9, 1970<br>Wheaton College<br>Norton, Massachusetts                                       | 1970  |
|           | 7     | 24       | March 5, 1970<br>Drew University<br>Madison, N.J.   | 1970  |
|           | 7     | 25       | February 6-7, 1970<br>University of Utah, Salt Lake City, Utah                                  | 1970  |
|           | 7     | 26       | "Control of symmetry in limb development"<br>SUNY-Stony Brook<br>November 18, 1969              | 1969  |
|           | 7     | 27       | Vassar College<br>May 5, 1969   | 1969  |

| Box Title | Box # | Folder # | Folders: Description  | Dates |
|-----------|-------|----------|---|-------|
|           | 7     | 28       | Control of Cellular Death in Normal and Pathological Development<br>U. Colorado<br>April 2, 1969                                    | 1969  |
|           | 7     | 29       | Marquette University<br>December 13, 1968   | 1968  |
|           | 7     | 30       | How Cells in an Embryo Talk to one Another<br>SUNY<br>Nov. 18, 1968   | 1968  |
|           | 7     | 31       | Tufts University - April 26, 1968<br>Cell Death   | 1968  |
|           | 7     | 32       | Bryn Mawr College<br>Feb. 21, 1968<br>Cell Death  | 1968  |
|           | 7     | 33       | Pennsylvania State University<br>Cell Death<br>January 18, 1968   | 1968  |
|           | 7     | 34       | Genetics Class Lecture<br>SUNY-Albany<br>1-8-68   | 1968  |
|           | 7     | 35       | Cell death in Morphogenesis - Cornell<br>Univ. Medical College - May 16, 1967   | 1967  |
|           | 7     | 36       | Biology Class Lecture on Embryology<br>Corusloga High School<br>Tredyffirn Township, PA<br>May 1, 1967                              | 1967  |
|           | 7     | 37       | Ectodermal-Mesenchymal Interactions in the Origin<br>of Limb Symmetry<br>Hahnemann Symposium<br>April 11, 1967                      | 1967  |
|           | 7     | 38       | Cell and Tissue Interactions<br>Princeton Univ.<br>March 21 and 22, 1967  | 1967  |
|           | 7     | 39       | Supracellular Control Mechanisms in Development<br>Rockefeller University<br>December 13, 1966                                      | 1966  |
|           | 7     | 40       | Ectoderm-mesoderm interactions in the origin of<br>Limb Symmetry.<br>Biology Department Seminar, U. of Penna.<br>September 29, 1966 | 1966  |
|           | 7     | 41       | Death in Embryonic Systems<br>Sigma XI Presidential Address<br>Marquette Chapter<br>May, 1966                                       | 1966  |

| Box Title | Box # | Folder # | Folders: Description   | Dates |
|-----------|-------|----------|--|-------|
|           | 7     | 42       | Program Definition and Planning for Research (Work Conference at Morquette University)<br>March 24, 1966   | 1966  |
|           | 7     | 43       | The Dialogue Between Tissue Layers in Limb Morphogenesis<br>Tri Beta Initiation<br>Mount Mary College, Milwaukee<br>April 20, 1966                                   | 1966  |
|           | 7     | 44       | Ectoderm-Mesoderm Interaction: Key to the Genesis of Form?<br>Ann Arbor<br>February 14, 1966   | 1966  |
|           | 7     | 45       | Inductive Interplay During Limb Development<br>Palmer House, Chicago<br>January 28, 1966   | 1966  |
|           | 7     | 46       | Epithelial-mesenchymal Interactions in Limb Development<br>Embryology Class<br>MBL, Woods Hole, Mass.<br>June 26, 1965   | 1965  |
|           | 7     | 47       | Cell Death<br>Developmental Biology Seminar<br>U. Michigan - Mar. 2, 1965<br>Washington State - Mar. 5, 1965   | 1965  |
|           | 7     | 48       | Morphogenetic Cell Death<br>Western Reserve<br>Feb. 12, 1965<br>Developmental Biology Seminar  | 1965  |
|           | 7     | 49       | Embryology Class Lecture<br>Induction Specificity<br>January 4, 1964   | 1964  |
|           | 7     | 50       | Graduate Faculty Meeting<br>11-2-64  | 1964  |
|           | 7     | 51       | Ecotderm-Mesoderm Interaction<br>Key to the Genesis of From<br>Seminar, Department of Biology, Marquette<br>10-9-64  | 1964  |
|           | 7     | 52       | Effect of the "Posterior Necrotic Zone" of the early chick wing bud on the pattern and symmetry of limb outgrowth<br>ASZ, Boulder<br>Gasseling & Saunders<br>7-28-64 | 1964  |

| Box Title | Box # | Folder # | Folders: Description  | Dates |
|-----------|-------|----------|---|-------|
|           | 7     | 53       | The Ultrastructure of the Apical Ectodermal Ridge, Inductor of out growth in the embryonic chick limb<br>American Society of Zoologists<br>August 28, 1964<br>Boulder, Colorado<br>Saunders, Heinkel, Gawlik, Gasseling | 1964  |
|           | 7     | 54       | Developmental Biology II<br>213 Hellems Hall, U. Colorado<br>Thursday, Aug. 27  | 1964  |
|           | 7     | 55       | Ectoderm-Mesoderm Dialogue: The Determiner of the Vertebrate Limb Pattern<br>Seminar - Dept. Anatomy, U. Illinois Med., Chicago<br>April 24, 1964   | 1964  |
|           | 7     | 56       | Ectoderm-Mesoderm Dialogue: The Determiner of Symmetry in the Avian Limb Bud<br>Department of Embryology, Carnegie Institution<br>Baltimore, Maryland<br>March 17, 1964   | 1964  |
|           | 7     | 57       | New Properties of the Apical Ectoderm Maintenance Factor in the Limb Bud of the Chick Embryo.<br>Institute for Cancer Research, Philadelphia<br>November 5, 1963  | 1963  |
|           | 7     | 58       | Cellular Death in Morphogenesis<br>Honors Seminar, Department of Biology<br>Amherst College<br>11-4-63  | 1963  |
|           | 7     | 59       | Ectoderm-Mesoderm Interrelationships in Limb Morphogenesis<br>Embryology Class Lecture, Amherst College<br>Amherst, Mass.<br>11-4-73  | 1973  |
|           | 7     | 60       | Limb Morphogenesis<br>Harvard University. Department of biology<br>October 23, 1963<br>"Current Concepts in Developmental Biology"  | 1963  |
|           | 7     | 61       | Morphogenesis of Feathers.<br>Harvard U. Department of Biology.<br>October 21, 1963<br>"Current Concepts in Developmental Biology"  | 1963  |
|           | 7     | 62       | Nouvelles propriétés du "Facteur de Maintien" du Bourgeon d'aile du Poulet<br>Seminar - College de France. Laboratoire d'Embryologie Experimentale.<br>September 10, 1963   | 1963  |



| <b>Box Title</b> | <b>Box #</b> | <b>Folder #</b> | <b>Folders: Description</b>   | <b>Dates</b> |
|------------------|--------------|-----------------|---|--------------|
|                  | 7            | 63              | The reciprocal action of ectodermal and mesodermal factors in morphogenesis of the limb in the fowl. Prepared for Seminar at Davis, California February 1963, but not delivered | 1963         |
|                  | 7            | 64              | Ectoderm-Mesoderm Interactions in Limb Morphogenesis<br>Seminar. Department of Zoology, University of Iowa<br>November 30, 1962   | 1962         |
|                  | 7            | 65              | Trans-filter activity of "Apical Ectoderm Maintenance Factor" in the chick wing bud.<br>Am. Soc. Zool., Washington D.C.<br>December 28, 1962                                    | 1962         |
|                  | 7            | 66              | The New Dimension in the Study of Life<br>Alumni Weekend<br>May 28, 1962  | 1962         |
|                  | 7            | 67              | Death Begets Life<br>Gifted High School Students<br>October 17, 1961  | 1961         |
|                  | 7            | 68              | Tissue Interactions in Limb Morphogenesis<br>Purdue University<br>May 18, 1961  | 1961         |
|                  | 7            | 69              | Morphogenetic Cellular Death<br>University of Chicago<br>April 1961   | 1961         |
|                  | 7            | 70              | Research Talk<br>General Biology Students<br>April 20, 1961   | 1961         |
|                  | 7            | 71              | Ectoderm-Mesoderm Relationship in Limb Development<br>Univ. of Wisconsin<br>March 3, 1961   | 1961         |
|                  | 7            | 72              | Further observations on the reciprocal influence of ectodermal and mesodermal factors in the origin of limb symmetry in the chick embryo<br>ASZ-New York<br>Dec 1960            | 1960         |
|                  | 7            | 73              | The Language of Living Cells & Morphogenetic Cellular Death<br>LSU<br>Dec. 1960   | 1960         |
|                  | 7            | 74              | Retention of polarity in isolated limb buds of the 3-day chick embryo during storage under various conditions<br>ASZ - Stillwater, Okla.<br>August, 1960                        | 1960         |

| Box Title | Box # | Folder # | Folders: Description   | Dates |
|-----------|-------|----------|--|-------|
|           | 7     | 75       | Duplication of foot parts after reorientation of the leg-bud apex in the chick embryo<br>Am. Assoc. Anatomists (New York)<br>April 1960                                | 1960  |
|           | 7     | 76       | Inductive Specificity<br>University of Wisconsin-Milwaukee<br>April 1, 1960  | 1960  |
|           | 7     | 77       | Intercellular communications systems in embryonic development<br>Col. of Engineer.<br>Feb. 23, 1960  | 1960  |
|           | 7     | 78       | Reciprocal dependence of ectodermal and mesodermal factors in limb morphogenesis<br>DePaul University<br>December 16, 1959   | 1959  |
|           | 7     | 79       | Effects of the Apical Ectodermal Ridge on the Vascular Pattern and Distribution of Cellular Deaths in the Limb bud of Chick Embryo.<br>Am. Soc. Zool.<br>Sept. 2, 1959 | 1959  |
|           | 7     | 80       | Distribution of factors affecting the symmetry of skeletal parts in the wing bud of the chick embryo<br>Am. Assn. Anatomists, Seattle<br>April 1959                    | 1959  |
|           | 7     | 81       | The Response of Tumor Cells in Culture to Specific Antibodies<br>Wisc. Tissue Culture Society<br>Jan. 1959 MU  | 1959  |
|           | 7     | 82       | Specificity of Mesodermal Induction of Skin Derivatives<br>scheduled for Purdue, Dec., 1958 but not given  | 1958  |
|           | 7     | 83       | Homograft Reactions in Duplicate Wing Parts formed after Reorientation Etc.<br>Am. Soc. Zool.<br>Washington D.C.<br>12-29-58   | 1958  |
|           | 7     | 84       | Embryology Seminar<br>Marquette Medical School<br>April 23, 1958   | 1958  |
|           | 7     | 85       | American Cancer Society<br>WTMJ - Radio<br>April 19, 1958  | 1958  |

| Box Title | Box # | Folder # | Folders: Description   | Dates |
|-----------|-------|----------|--|-------|
|           | 7     | 86       | The Role of Cell Deaths in the morphogenesis of the Avian Limbs<br>Yale Univ.<br>April, 1957<br>New Haven, Conn. | 1957  |
|           | 7     | 87       | Gorden Conference on Lysosomes<br>June 29 - July 3, 1970<br>Andover, N.H.  | 1970  |
|           | 7     | 88       | Cell Biology Study Section<br>April 23-25, 1970  | 1970  |
|           | 7     | 89       | Summer Institute on Aging<br>LaJolla, California<br>July 9-10, 1969  | 1969  |
|           | 7     | 90       | Gordon Conference on Cell Structure and Metabolism<br>June 26-30, 1967   | 1967  |
|           | 7     | 91       | "Epithelial-Mesenchymal Interactions"<br>Philadelphia<br>April 10-12, 1967                                       | 1967  |
|           | 7     | 92       | AIBS Intersociety Committee Meeting<br>Washington D.C.<br>Feb. 9-10, 1967  | 1967  |
|           | 7     | 93       | Cellular Dynamics<br>January, 1967   | 1967  |
|           | 7     | 94       | Honor - Mary Rawles<br>August, 1966  | 1966  |
|           | 7     | 95       | Growth Symposium<br>Haverford<br>June, 1966  | 1966  |
|           | 7     | 96       | Palmer House Conference<br>January 28, 1966<br>Chicago   | 1966  |
|           | 7     | 97       | Topics in the Biology of Aging<br>Salk Institute<br>LaJolla, California<br>November 4-6, 1965                    | 1965  |
|           | 7     | 98       | International Conference on Organogenesis<br>Baltimore<br>September, 1964  | 1964  |
|           | 7     | 99       | Japanese-American Conference on Developmental Biology<br>Tokyo<br>March 26-April 1, 1965                         | 1965  |

| <b>Box Title</b> | <b>Box #</b> | <b>Folder #</b> | <b>Folders: Description</b>   | <b>Dates</b> |
|------------------|--------------|-----------------|---|--------------|
|                  | 7            | 100             | Association for the Aid of Crippled Children<br>The Hague<br>Sept. 11-13, 1963<br>Correspondence  | 1963         |
|                  | 7            | 101             | The Morphogenetic Role of Cell Deaths in the Origin<br>of the External Contours of the Limbs of the Chick<br>Am. Assn. Anatomists<br>Baltimore<br>April 1957                            | 1957         |
|                  | 7            | 102             | American Cancer Society<br>Faces of Cancer<br>WISN-TV<br>March 29, 1957   | 1957         |
|                  | 7            | 103             | The Biological Control of Normal and Abnormal<br>Growth<br>Phi Beta Kappa Lunch<br>December, 1956<br>City Club, Milwaukee   | 1956         |
|                  | 7            | 104             | Lecture - Experimental Embryology<br>Northwestern University<br>11-1-56   | 1956         |
|                  | 7            | 105             | The formation of foot parts by prospective thigh<br>mesoderm grafted to the wing bud in the chick<br>embryo<br>Saunders, Gasseling, and Cairns<br>Anatomists, Milwaukee<br>Apr. 6, 1956 | 1956         |
|                  | 7            | 106             | The Origin of Regional Specificity in Differentiation<br>of the Epidermis and its Derivatives in the Fowl.<br>Wasmann Biology Club<br>Loyola Univ.<br>March 19, 1956                    | 1956         |
|                  | 7            | 107             | Ideas<br>WISN<br>April 3, 1956  | 1956         |
|                  | 7            | 108             | The Role of the Apical Ectodermal Ridge in the<br>Origin of the Limb of the Fowl.<br>Notre Dame, December 15, 1955<br>Northwestern Univ., January 27, 1956                              | 1955         |
|                  | 7            | 109             | Effects of Reorienting the Wing Bud Apex on the<br>symmetry Relations of Wing Parts in the Chick<br>April 8, 1955   | 1955         |

| Box Title | Box # | Folder # | Folders: Description   | Dates |
|-----------|-------|----------|--|-------|
|           | 7     | 110      | The Effect of Mouse Sariama on the Growth and Differentiation of Nerve Fibers in the Chick<br>Comm. on Growth and Cancer<br>Marquette U.<br>Feb. 9, 1955         | 1955  |
|           | 7     | 111      | Research Talk<br>Oct. 1, 1954<br>to Zoology Meeting  | 1954  |
|           | 7     | 112      | Effects of tyrosine and its metabolic analogs on the synthesis of melanin pigments by embryonic skin of the fowl cultured in vitro.<br>Wisc. Acad.<br>1954       | 1954  |
|           | 7     | 113      | Induction of Regional Specificity in Epidermal derivatives of the Fowl.<br>Seminar Mt. Desert Island, Biological Lab.<br>Aug. 20, 1954                           | 1954  |
|           | 7     | 114      | Tissue Interactions in Organogenesis<br>Univ. of Michigan, Zool. Seminar<br>March 18, 1954   | 1954  |
|           | 7     | 115      | Some Significant Aspects of Interactions between Embryonic Tissues<br>Phi Sigma<br>Nov., 1953, MU  | 1953  |
|           | 7     | 116      | The Origin of the Definitive Wing Contour in the Embryonic Chick, with Special Reference to the Shaping of the Elbow<br>Amer. Soc. of Zoologists, Boston<br>1953 | 1953  |
|           | 7     | 117      | Tissue Interactions During Development<br>Argonne - January 23, 1953<br>Zeta Kappa Gamma - Apr. 14, 1953   | 1953  |
|           | 7     | 118      | WFOX<br>March 2, 1953  | 1953  |
|           | 7     | 119      | The Usefulness of Chemically defined Media etc.<br>Saunders, Quevedo, Kos, Tobin<br>119th AAAS, Section F.<br>Dec. 1952  | 1952  |
|           | 7     | 120      | "Tissue Cultures"<br>Pathology Residents<br>Dec. 10, 1952 at Marquette Medical School  | 1952  |

| Box Title | Box # | Folder # | Folders: Description  | Dates |
|-----------|-------|----------|---|-------|
|           | 7     | 121      | Distribution & developmental performance of cells which stain selectively with vital dyes in the embryos of fowl and rodents<br>ASZ<br>Sept. 1952<br>Ithaca, N.Y.   | 1952  |
|           | 7     | 122      | The role of the mesoderm in organizing the regional specificity of epidermal derivatives in the skin of the chick.<br>Dec 1951  | 1951  |
|           | 7     | 123      | The effects of tyrosine on the pigmentation of embryonic chick skin cultured on synthetic media<br>Anatomists<br>March 23, 1951   | 1951  |
|           | 7     | 124      | The interaction between cellular layers in the origin of the limb of the chick embryo   |       |
|           | 7     | 125      | An analysis of the spatial distribution, tract specificity, and orientation of feather germs in the humeral tract of the Chick wing.  |       |
|           | 7     | 126      | Sequential Origin of Tract Specific Properties in the Humeral Feather Area of the fow.<br>Phi Sigma<br>July 1, 1950   | 1950  |
|           | 7     | 127      | An analysis of the role of the apical ridge of ectoderm in development of limb bud in the chick.<br>Am. Assoc. Anat.<br>March, 1949   | 1949  |
|           | 7     | 128      | Education on Parade<br>WTMJ-TV  |       |
|           | 7     | 129      | Harrison and Students on Limb   |       |
|           | 7     | 130      | Bibliography (not abridged)<br>PhD thesis   |       |
|           | 7     | 131      | The role of the mesoderm in organizing the regional specificity of epidermal derivatives in the skin of the chick   |       |
|           | 7     | 132      | Various Abstracts including:<br>"Do the somites contribute to the formation of the chick wing?"<br>"An analysis of the spatial distribution of feather germs in the humeral tract of the chick wing."<br>"Distribution, Orientation, Tract Specificity of Feather Germs" Anat. Rec. 99:647<br>"The effects of tyrosine on the pigmentation of embryonic chick skin cultured on synthetic media"<br>"The usefulness of chemically defined media in |       |

| Box Title | Box # | Folder # | Folders: Description   | Dates |
|-----------|-------|----------|--|-------|
|           |       |          | <p>attacking problems of melanogenesis in living skin, etc." Saunders, Quevedo, Kos</p> <p>"Inhibition by phenylalanine of the synthesis of melanin pigments by living cells" Quevedo and Saunders, Wisc. Acad. April 25, 1953</p> <p>"Can prospective pigment cells be identified by means of vital dyes?" Anat. Rec. 105: #3, 1949</p> <p>"Analysis of role of apical ectoderm" Anat. Rec. 105#3 1949</p> <p>"Proximo-distal sequence of the origin of wing parts and role of the ectoderm"</p> <p>"The effect of circulating thyroid hormone on keratinization and pigmentation of the embryonic skin in Barred Rock fowl."</p> <p>"The distribution and developmental performance of cells which stain selectively with vital dyes in the embryo of fowl"</p> <p>"The effect of tyrosine on the pigmentation of embryonic chick skin cultured in vitro"</p> <p>"Effects of the Apical Ectodermal Ridge on the Vascular Pattern and Distribution of Cellular Deaths in the Limb Bud of the Chick Embryo." Anat. Rec. July 1959</p> <p>"Involvement of the apical ectodermal ridge in chick limb development" Zwilling, S.G.</p> |       |
|           | 7     | 133      | <p>The formation of foot parts by prospective thigh mesoderm grafted to the wing bud in the chick embryo.</p> <p>Saunders, Gasseling, Cairns<br/>Anatomists<br/>April 4, 5, 6, 1956</p>  | 1956  |
|           | 7     | 134      | <p>Saunders, Gasseling and Gfeller<br/>Homograft Reactions</p>   |       |
|           | 7     | 135      | <p>Saunders, Abramoff and Gasseling<br/>Anat. Rec. 124:438</p>   |       |
|           | 7     | 136      | <p>Saunders, Saunders and Gasseling<br/>Anat. Rec., 127:360-361<br/>1957</p>   | 1957  |
|           | 7     | 137      | <p>The Morphogenetic Significance of Cell Death in Embryonic Development<br/>10th Int. Congress-Cell Biol.</p>   |       |
|           | 7     | 138      | <p>Developmental Biology Regional<br/>Madison, Wis.<br/>April 28-30, 1963</p>  | 1963  |

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|------------------------------|--------------|-----------------|--|--------------|
|                              | 7            | 139             | Conference on Cellular Differentiation<br>Endicott House<br>Oct. 26-28, 1962                     | 1962         |
|                              | 7            | 140             | Helen Hay Whitney Foundation<br>Conference<br>Oct. 13, 14, 1962                                  | 1962         |
|                              | 7            | 141             | Villanova Conference<br>May 5, 1962  | 1962         |
|                              | 7            | 142             | Developmental Biology Regional Conference<br>Ames, Iowa<br>April 18-20, 1962                     | 1962         |
|                              | 7            | 143             | Gatlinburg Conference<br>April 9-12, 1962  | 1962         |
|                              | 7            | 144             | Tertatology Conference<br>Gainesville, Florida<br>March 16-17, 1962                              | 1962         |
|                              | 7            | 145             | Conference on Tissue Interactions and<br>Morphogenesis<br>MIT Endicott House<br>June 16-17, 1961 | 1961         |
|                              | 7            | 146             | Society for Cell Biology<br>Xth International Conference (Paris)                                 | 1960         |
|                              | 7            | 147             | Program, Manuscripts for discussion  |              |
|                              | 7            | 148             | Boston College<br>Chestnut Hill, Mass.<br>Evaluation   | 1968         |
|                              | 7            | 149             | Cellular Basis of Development<br>McCollum Pratt<br>1958  | 1958         |
|                              | 7            | 150             | Willier Festival and Symposium   | 1955         |
| Universities and<br>Lectures | 8            | 1               | University of Alabama  | 1947-1948    |
| Universities and<br>Lectures | 8            | 2               | Amherst College  | 1963         |
| Universities and<br>Lectures | 8            | 3               | University of Arizona  | 1965         |
| Universities and<br>Lectures | 8            | 4               | Boston University  | 1964-1965    |
| Universities and<br>Lectures | 8            | 5               | University of California   | 1947-1958    |
| Universities and<br>Lectures | 8            | 6               | U.C.L.A.   | 1959-1962    |
| Universities and<br>Lectures | 8            | 7               | University of Chicago  | 1948-1950    |



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|---------------------------|--------------|-----------------|--|---------------|
| Universities and Lectures | 8            | 8               | University of Connecticut  | 1946-1948     |
| Universities and Lectures | 8            | 9               | Johns Hopkins University   | 1942-1951     |
| Universities and Lectures | 8            | 10              | University of Illinois   | 1960-1961     |
| Universities and Lectures | 8            | 11              | University of Kentucky   | 1948          |
| Universities and Lectures | 8            | 12              | University of Massachusetts  | 1961          |
| Universities and Lectures | 8            | 13              | University of Michigan   | 1947-1950     |
| Universities and Lectures | 8            | 14              | University of Minnesota  | 1949          |
| Universities and Lectures | 8            | 15              | Mississippi State College  | 1947-1948     |
| Universities and Lectures | 8            | 16              | University of Notre Dame   | 1948-1956     |
| Universities and Lectures | 8            | 17              | University of Oklahoma   | 1946-1948     |
| Universities and Lectures | 8            | 18              | University of Pennsylvania   | 1964-1967     |
| Universities and Lectures | 8            | 19              | University of Rhode Island   | 1964          |
| Universities and Lectures | 8            | 20              | Rice Institute   | 1948-1951     |
| Universities and Lectures | 8            | 21              | Vanderbilt University  | 1962          |
| Universities and Lectures | 8            | 22              | University of Virginia   | 1948-1949     |
| Universities and Lectures | 8            | 23              | University of Wisconsin  | 1949-1953     |
| Universities and Lectures | 8            | 24              | Washington State University  | 1964-1965     |
| Universities and Lectures | 8            | 25              | Wayne State University   | 1962          |
| Universities and Lectures | 8            | 26              | Wisconsin State Dept. of Agriculture   | 1950,<br>1960 |
| Universities and Lectures | 8            | 27              | Out on a Limb 1984<br>U Oregon Apr. 11<br>U Cal Davis Apr. 16<br>U Cal Irvine Apr. 1 | 1984          |
| Universities and Lectures | 8            | 28              | Limb Development and Deformity<br>Hamilton College, Clinton, NY                      | 1984          |

| <b>Box Title</b>          | <b>Box #</b> | <b>Folder #</b> | <b>Folders: Description</b>   | <b>Dates</b> |
|---------------------------|--------------|-----------------|---|--------------|
|                           |              |                 | November 10, 1984   |              |
| Universities and Lectures | 8            | 29              | R.P.I.<br>Positional Information in the Developing Chick Limb Bud<br>Oct. 12-16, 1984   | 1984         |
| Universities and Lectures | 8            | 30              | Pattern Formation During Development of the Avian Limb<br>Canadian Society for Cell Biology<br>Symposium - Cellular Affects of Morphogenesis on Developmental Biology<br>June 21, 1984, Saskatoon, Saskatchewan | 1984         |
| Universities and Lectures | 8            | 31              | Cell & Developmental Biology<br>Journal Club<br>Dec. 9, 1983<br>Cytoskeleton Participation in Ooplasmic Segregation   | 1983         |
| Universities and Lectures | 8            | 32              | Cell and Developmental<br>Journal Club<br>April 22, 1983  | 1983         |
| Universities and Lectures | 8            | 33              | March 6, 1982<br>HS science teacher course  | 1982         |
| Universities and Lectures | 8            | 34              | Cell & Develop<br>Journal Club<br>9-24-82   | 1982         |
| Universities and Lectures | 8            | 35              | Cell Dev<br>Journal Club<br>Feb. 12, 1982   | 1982         |
| Universities and Lectures | 8            | 36              | Yale U.<br>Nov. 12, 1981  | 1981         |
| Universities and Lectures | 8            | 37              | Cell - Developmental<br>Journal Club<br>March 20, 1981  | 1981         |
| Universities and Lectures | 8            | 38              | U. of Ottawa<br>March, 1981   | 1981         |
| Universities and Lectures | 8            | 39              | Cell & Develomental<br>Journal Club<br>2-29-80  | 1980         |
| Universities and Lectures | 8            | 40              | Aspects of Interaction etc.<br>April 10, 1980<br>U. Michigan  | 1980         |
| Universities and Lectures | 8            | 41              | Institute of Medical Research<br>March 27, 1980   | 1980         |

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| Universities and Lectures | 8            | 42              | Nov. 6, 1979<br>Institute for Developmental Research<br>Cincinnati, Ohio<br>"Limb Development and Deformity" | 1979         |
| Universities and Lectures | 8            | 43              | MBL Course Lecture<br>July 18, 1978  | 1978         |
| Universities and Lectures | 8            | 44              | April 18, 1978<br>New York University School of Medicine<br>Cell Biology Special Topics Course               | 1978         |
| Universities and Lectures | 8            | 45              | Med. College of Pennsylvania<br>3/23/78<br>"Programmed Cell Death"<br>Marie A. DiBerardino                   | 1978         |
| Universities and Lectures | 8            | 46              | Grad Student Seminar<br>Fall 1978, Oct. 16<br>SUNYA  | 1978         |
| Universities and Lectures | 8            | 47              | Graduate Student Seminar<br>Sept. 20, 1977   | 1977         |
| Universities and Lectures | 8            | 48              | Embryology Course Lecture<br>MBL<br>July 6, 1977   | 1977         |
| Universities and Lectures | 8            | 49              | New York University<br>Courant Institute<br>May 12, 1977   | 1977         |
| Universities and Lectures | 8            | 50              | U Connecticut - Storrs<br>April 25, 1977   | 1977         |
| Universities and Lectures | 8            | 51              | Univ. of Penna<br>Dept of Anatomy<br>Dec. 8, 1976  | 1976         |
| Universities and Lectures | 8            | 52              | U Conn Farmington<br>Dec. 3, 1976  | 1976         |
| Universities and Lectures | 8            | 53              | October 26, 1976<br>Case Western Reserve<br>"Control of Axial Differentiation in the Embryonic Chick Limb"   | 1976         |
| Universities and Lectures | 8            | 54              | Grad Student Seminar<br>Nov. 1, 1976   | 1976         |
| Universities and Lectures | 8            | 55              | December 9, 1975<br>Purdue University  | 1975         |
| Universities and Lectures | 8            | 56              | Nov. 5, 1975<br>State University College at Oneonta  | 1975         |
| Universities and Lectures | 8            | 57              | Utica College<br>October 13, 1975  | 1975         |

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|  |       |          | Control of outgrowth and of regional differentiation in the vertebrate limb               |       |
| Universities and Lectures                      | 8     | 58       | October 8, 1975<br>Faculty-Graduate Student Seminar Program                               | 1975  |
| Universities and Lectures                      | 8     | 59       | Limb Development and Deformity<br>Russell Sago - Albany<br>Dec. 13, 1974                  | 1974  |
| Universities and Lectures                      | 8     | 60       | Tri Beta - SUNYA<br>11-20-74<br>Cell Death  | 1974  |
| Universities and Lectures                      | 8     | 61       | May 6, 1974<br>Brown Univ.<br>"Control of axial organization in the embryonic chick limb" | 1974  |
| Universities and Lectures                      | 8     | 62       | April 27, 1974<br>State U. College<br>New Paltz, NY                                       | 1974  |
| Universities and Lectures                      | 8     | 63       | November 19, 1973<br>Medical U. of So. Carolina   | 1973  |
| Universities and Lectures                      | 8     | 64       | October 25, 1973<br>Clark Univ.<br>Worcester, Massachusetts                               | 1973  |
| Embryo Microscopy and Miscellaneous Microscopy | 9     | 1        | Misc.   |       |
| Embryo Microscopy and Miscellaneous Microscopy | 9     | 2        | Bob Allen – Sand Dollar Pictures  |       |
| Embryo Microscopy and Miscellaneous Microscopy | 9     | 3        | E. Anderson   |       |
| Embryo Microscopy and Miscellaneous Microscopy | 9     | 4        | Peter Armstrong – Chick Sections  |       |
| Embryo Microscopy and Miscellaneous Microscopy | 9     | 5        | Phil Armstrong  |       |
| Embryo Microscopy and Miscellaneous Microscopy | 9     | 6        | J. Arnold – Squid   |       |
| Embryo Microscopy and Miscellaneous Microscopy | 9     | 7        | Bachof – Journal of Morphology, 135   |       |

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| Embryo Microscopy and Miscellaneous Microscopy | 9            | 8               | Bajer                                      |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 9               | Benford & Namenwirth – Gray Crescent       |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 10              | Burgos – Spermation in Toad                |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 11              | Caprio (Kaprio) – Ecto-Meso Limb           |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 12              | Chick: Induction of Dermis & F Derm, Extra |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 13              | Crustacean Phylogeny and Metamorphosis     |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 14              | M.V. Edds                                  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 15              | Eguchi – Eye Regeneration                  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 16              | Andrew Enders – Cytology of Implantation   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 17              | Epel                                       |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 18              | Eyal-Giladi – Drawings of Egg Stages       |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 19              | Fallon – N. Limbato                        |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 20              | Farrell – Fingertip Amputations            |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 21              | Fawcett – Miscellaneous Sperm              |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 22              | Franklin – Sperm                           |              |

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| Embryo Microscopy and Miscellaneous Microscopy | 9            | 23              | Hay - Filopodia  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 24              | Hendricks - Baboon Egg   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 25              | Hertig   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 26              | Humphreys - "Sunburst" x 128,000                               |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 27              | Illingworth - Amputation Extra                                 |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 28              | Izzard - Fibroblasts   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 29              | Jacobson   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 30              | Kemp - EM Frog Fertilization                                   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 31              | Kollar – JEEM 21: 1969 Figure IV A, Tooth germ growth in vitro | 1969         |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 32              | Kubota – Cell Cleavage, JEEM 21: 1969                          | 1969         |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 33              | La Fountain – Crane-fly Meiosis                                |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 34              | Lazard – Regeneration: Negative and Print                      |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 35              | Lesh-Laurie – Hydra  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 36              | Litke – Chick Dermis   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 37              | Mackiewicz – Metamorphose II                                   |              |

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| Embryo Microscopy and Miscellaneous Microscopy | 9            | 38              | Mandaron – Imaginal Discs                           |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 39              | Manion – Spawning Sea Lamprey                       |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 40              | Miscellaneous Sources of Illustrations              |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 41              | Miller, O. – Oocyte Nucleolus                       |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 42              | Moran & Rice – Neuralation                          |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 43              | Newt – Red EFT                                      |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 44              | Orahilly  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 45              | Pederson – Oocytes, mammalian                       |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 46              | Planaria  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 47              | Plant Stem, X section                               |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 48              | Ron Reeder – Urchin Fertilization and Cell Cleavage |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 49              | Reyer – Lens Regeneration                           |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 50              | Rich, A. – Polio PolyRibosomes                      |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 51              | Silvers & Chase – Hair Germ                         |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 52              | Skin – Human  |              |

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| Embryo Microscopy and Miscellaneous Microscopy | 9            | 53              | Sea Urchin  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 54              | Skipper & Hamilton – Liver, Estrogen Response     |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 55              | Slavkin – Journal of Cell Physiology, 73 (1969)   | 1969         |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 56              | L.D. Smith  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 57              | Spangenberg – Aurelia Metamorphosis               |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 58              | Stalsberg – Heart                                 |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 59              | Starfish Negatives                                |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 60              | Taderera & Click – Lung Development               |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 61              | Tubularia   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 62              | Vacquier – Sea Urchin Cleavage                    |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 63              | Weston – Neural Crest Migration                   |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 64              | Wourms – Annual Fish Development                  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 65              | Yntema  |              |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 66              | Embryology Class Notes and Syllabi - Binders 1963 | 1963         |
| Embryo Microscopy and Miscellaneous Microscopy | 9            | 67              | Embryology Class Notes and Syllabi - Binders 1962 | 1962         |



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| Embryo Microscopy and Miscellaneous Microscopy | 9            | 68              | Embryology Class Notes and Syllabi - Binders 1958 | 1958         |
|  | 10           |                 | McMillian Illustrations                           |              |
|  | 11           |                 | McMillian Illustrations                           |              |