Cranbrook Institute of Science Director’s Papers

Papers, 1920s-1990s
36 linear ft.

Acquisition Number: 1990-31

Acquisition: This collection is a compilation of several record transfers from the Institute of Science.

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Index: See end of finding aid.

Processing: Inventory, Peggy Appleman.
Processing Research series and creation of finding aid, Veronica Bielat
Processing bulk of collection and creation of finding aid, Amy James, June 2000.
History

Cranbrook Institute of Science is a nationally recognized natural history and science museum primarily serving Michigan and the Great Lakes region. It seeks to interest and educate people of all ages about nature, science and humankind through its exhibits, education, collection, research, and public programs.\(^1\) The Institute is a division of Cranbrook Educational Community.

The Institute of Science began, as do all Cranbrook institutions, with the vision and generosity of George Gough Booth. In 1926, when Cranbrook School was nearing completion, a plan developed to have astronomy as part of the school curriculum, and to mount a telescope in the school’s tower, now part of Hoey Hall. Following much experimentation, this tower was found to be an unfit observatory, as moist air rising in the tower caused condensation and, in the winter, ice-formation. Plans for the astronomy curriculum were put on hold and the lenses were placed in storage. During this period, Mr. and Mrs. George Booth were traveling in the West, where they purchased a collection of 277 mineral specimens for Cranbrook School from a dealer, Pohndorf’s, of Denver, Colorado. This was soon to be followed by the purchase of a substantial mineral collection from Levi P. Rowland of Detroit, also for use in the planned Cranbrook School museum. These two purchases formed what would become one of the first and most important collections of the soon-to-be-created Cranbrook Institute of Science.

Recognizing a need, on May 13, 1930, the Trustees of The Cranbrook Foundation authorized the construction of “suitable buildings”, and a committee was appointed “to select a name for the proposed institution and organize a board of directors to develop and manage it”.\(^2\) The Institute was to be built on “Sunset Hill”, the highest point on Cranbrook property. The name “The Cranbrook Institute of Science” was proposed to the Trustees on June 26, 1930. The first meeting of the Institute’s Board of Trustees took place on July 1, 1930, and Henry S. Hulbert was appointed its first Chairman. The institution was a department or an activity of the Foundation, not to be re-constituted as separate and independent under a trust indenture until February 10, 1932.\(^3\)

The first Institute, as designed by George Booth and built in 1930, was a one-story, wood-shingled, cinder-block building built around a square court. Almost immediately, George Booth had Eliel Saarinen began to prepare a master plan for growth, building and expanding from the current structure. This culminated in the “Grand Plan”, submitted in 1932 [not built]. Revised Saarinen plans were approved, and the new Institute was dedicated in May 1938. The Institute of Science experienced several more expansions, including the McMath Planetarium in 1955, the Skillman Wing in 1962, Edison House in 1966, and the Nature Center in 1969. The Cranbrook Nature Sanctuary, near Orchard

\(^3\) Ibid, p.19.
Lake, was established on land donated to CIS from Harold Lee Ward. Architect Steven Holl designed the most recent expansion, completed in 1999. Exhibit space was greatly expanded, nearly doubling the size of the Institute.

From the beginning, the staff was selected to encompass the interests of both research and education. Museum exhibits were soon accepted as a principal education tool. The first employee of the Institute was W. Bryant Tyrrell, a naturalist and taxidermist who had previously served on the staff of the Children’s Museum [of] Detroit. The staff list in the first Annual Report shows nineteen named posts filled by eight employees and four Trustees. Victor H. Cahalane was selected by the Board as Curator of the Institute, beginning on January 1, 1931. In April 1931 his title was changed to Director.\(^4\) Please see the chronological list of CIS Directors below for a complete list of Mr. Cahalane’s successors.

In 1930, CIS began as a small museum providing science education for students at Cranbrook Schools. Throughout the years, the Institute has maintained its commitment to education, research, and outreach. It is now the largest science museum in Michigan, with annual attendance at more than 200,000 visitors.

**Scope and Content of Collection**

The collection is divided into eight series: Trustees/Board of Governors, Operations, Exhibits, Education, Research, Renovation and Expansion, Correspondence, and Oversized Materials. Folders in each series are arranged in alphabetical/chronological order, and each folder’s contents are arranged in chronological order.

Possibly the best place to get the overall picture of the historical development and continuing functioning of the Cranbrook Institute of Science is in the Trustees/Board of Governors series. Included in this series are a full run of the Annual Reports and Quarterly Meeting Minutes of the CIS Board of Governors. The Board of Governor’s committee activity is documented, with the heaviest concentration of records being in the 1960s-1980s. The formation and early years of CIS are described in the History section of this series. The CIS Board of Governors early involvement in the formation of the Detroit Science Center can be found in this series.

The Operations series documents the administrative end of CIS life, encompassing personnel, budget/finance, admissions, building maintenance, and security. Fundraisers and annual events like the Maple Sugar Festival are documented in the Community Relations subseries. Properties that were owned or donated to CIS, including the Beresford farm and the Ward property at Orchard Lake (site of the Cranbrook Nature Sanctuary) can be found in the Properties subseries.

Temporary, permanent, and traveling exhibits are documented in the Exhibits series. This should not be considered an exhaustive list of exhibits, however, as the majority of

exhibits in this series are from the 1970s-1990s. For a more complete picture of the range of exhibits over the years, the user should consult the Annual Reports located in the Trustees/Board of Governors series.

Throughout its history, CIS has placed an emphasis on educational programming. That commitment to science education is documented in the Education series. Within this series, the user can find class brochures from 1933-1996, field trips, summer camps, educational programming collaboration with area schools and universities, and the funding sources for these programs. Users are also encouraged to consult the Annual Reports located in the Trustees/Board of Governors series for additional information on CIS educational programming.

Research conducted by CIS directors, staff members, and visiting scholars is documented in the Research series. The material is primarily in the format of compiled data and subsequent reports. Involvement in inland lakes and Great Lakes research is documented, as is the research holdings in the CIS Library. Drainage and vegetation studies of Kingswood Lake (called Cranbrook Lake during some studies) are in this series, as are manuscripts and published works of directors and staff members. A large section of algae drawings by Stanley Cain can be found. These pencil drawings were intended for publication, and are a good example of how scientific research from that era was conducted.

Throughout the history of CIS, several building expansions and improvements have taken place. Materials in the Renovation and Expansion series describe the preparation and planning that accompanied these improvements. Most of the materials in this series cover the major expansion project that spanned the 1980s-1990s. Additional documentation of the building of Edison House, the Woodward entrance, and the Arrival Feature can also be found within the series. See the Oversized Materials series for additional renovation and expansion information.

Materials in the Correspondence series span the 1920s through the 1990s, pre-CIS through present day. Important correspondents in this series include: all CIS Directors, George G. Booth, Henry S. Booth, Robert McMath, Henry Hulbert, Gustavus Pope, members of the Beresford family, Stanley Cain, Lee Dice, Cecil Billington, and Arthur Wittliff. Materials are arranged alphabetically and chronologically. The relationship between CIS and the other Cranbrook institutions can be found in this series.

The Oversized Materials series contains a facility program report compiled by Hellmuth, Obata & Kassabaum (HOK) in preparation for the 1980s-1990s CIS expansion project.
Related Collections

- CIS Publications collection (*CIS Bulletin* and *CIS News Letter/Science Scope*)
- Cranbrook Archives Photograph Files

CIS Directors in Chronological Order

<table>
<thead>
<tr>
<th>Director</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Victor Cahalane</td>
<td>1930-1934</td>
</tr>
<tr>
<td>Lee Dice (acting)</td>
<td>1934-1935</td>
</tr>
<tr>
<td>Robert Hatt</td>
<td>1935-1967</td>
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<tr>
<td>Warren Wittry</td>
<td>1967-1972</td>
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<tr>
<td>Robert Bowen (acting)</td>
<td>1972-1973</td>
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<tr>
<td>Robert Bowen</td>
<td>1973-1980</td>
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<tr>
<td>Kathleen Roth (acting)</td>
<td>1981-1982</td>
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<tr>
<td>Dennis Wint</td>
<td>1982-1986</td>
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<tr>
<td>Kathleen Roth (acting)</td>
<td>1986-1987</td>
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<tr>
<td>Robert West</td>
<td>1987-1991</td>
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<tr>
<td>Ellen Jacobowitz (acting)</td>
<td>1992-1993</td>
</tr>
<tr>
<td>Daniel Appleman</td>
<td>1993-1998</td>
</tr>
<tr>
<td>Elaine Heumann Gurian (acting)</td>
<td>1998-1999</td>
</tr>
<tr>
<td>Talbert Spence</td>
<td>1999-</td>
</tr>
</tbody>
</table>
Box Number--Description

Series I     CIS TRUSTEES/BOARD OF GOVERNORS

Box 1

1. Annual Report, 1930-1931
2. Annual Report, 1931-1932
3. Annual Report, 1932-1933
4. Annual Report, 1933-1934
5. Annual Report, 1934-1935
7. Annual Report, 1936-1937
10. Annual Report, 1939-1940
11. Annual Report, 1940-1941
12. Annual Report, 1941-1942
15. Annual Report, 1944-1945
27. Annual Report, 1956-1957
34. Annual Report, 1963-1964
42. Annual Report, 1974-1975
43. Annual Report, 1975-1976
44. Annual Report, 1976-1977
47. Annual Report, 1979-1980

Box 2


Note: CIS Annual Reports discontinued after 1989-1990.

10. Articles of Incorporation, 1956
11. Committees (list of and membership), 1951-1985 incomplete
13. Committees—Beresford Property (Ad Hoc), 1984-1985
22. Committees—Educational Programs Advisory (Ad Hoc), 1985-1987
30. Committees—Governance (Ad Hoc), 1992
32. Committees—New Wing/Renovation & Expansion (Ad Hoc), 1980-1984
33. Committees—New Wing/Renovation & Expansion (Ad Hoc), 1985-1986
34. Committees—New Wing/Renovation & Expansion (Ad Hoc), 1987-1989
35. Committees—New Wing/Renovation & Expansion (Ad Hoc), 1990-1991
37. Committees—Operating Procedures (Ad Hoc), 1972
40. Committees—Publications, 1951
41. Committees—Research, 1950-1966
42. Committees—Research, 1967-1980
44. Committees—Science Advisory, 1989
45. Committees—Ways and Means (Ad Hoc), 1970
46. Cresap Report (and reaction to), 1965-1966
47. Detroit Science Center, 1969-1983
49. History (of CIS), 1930-1980
50. History (of CIS), 1933, 1935, 1960
51. History (of CIS)—A History of the Cranbrook Institute of Science by Cecil Billington, May 1937
52. History (of CIS)—In Behalf of the Cranbrook Institute of Science by Cecil Billington, 1949 (2 copies)
53. History (of CIS)—Land Description, 1931, 1933
54. History (of CIS)—Mineral Collection, 1930s, 1990s

Box 3

1. Quarterly Meeting Minutes, 1937-1940
2. Quarterly Meeting Minutes, 1942-1942
3. Quarterly Meeting Minutes, 1943-1944
4. Quarterly Meeting Minutes, 1945-1946
5. Quarterly Meeting Minutes, 1947
6. Quarterly Meeting Minutes, 1948
7. Quarterly Meeting Minutes, 1949
8. Quarterly Meeting Minutes, 1950
9. Quarterly Meeting Minutes, 1951
10. Quarterly Meeting Minutes, 1952
11. Quarterly Meeting Minutes, 1953
12. Quarterly Meeting Minutes, 1954
13. Quarterly Meeting Minutes, 1955
14. Quarterly Meeting Minutes, 1956
15. Quarterly Meeting Minutes, 1957
16. Quarterly Meeting Minutes, 1958
17. Quarterly Meeting Minutes, 1959
18. Quarterly Meeting Minutes, 1960
19. Quarterly Meeting Minutes, 1961
20. Quarterly Meeting Minutes, 1962
21. Quarterly Meeting Minutes, 1963
22. Quarterly Meeting Minutes, 1964
23. Quarterly Meeting Minutes, 1965
24. Quarterly Meeting Minutes, 1966
25. Quarterly Meeting Minutes, 1967
26. Quarterly Meeting Minutes, 1968
27. Quarterly Meeting Minutes, 1969
28. Quarterly Meeting Minutes, 1970
29. Quarterly Meeting Minutes, 1971
30. Quarterly Meeting Minutes, 1972
31. Quarterly Meeting Minutes, 1973
32. Quarterly Meeting Minutes, 1974
33. Quarterly Meeting Minutes, 1975
34. Quarterly Meeting Minutes, 1976

Box 4

1. Quarterly Meeting Minutes, 1977
2. Quarterly Meeting Minutes, 1978
3. Quarterly Meeting Minutes, 1979
4. Quarterly Meeting Minutes, 1980
5. Quarterly Meeting Minutes, 1981
6. Quarterly Meeting Minutes, March 1982
7. Quarterly Meeting Minutes, Sep, Dec 1984
8. Quarterly Meeting Minutes, Mar, Jun, Jul 1985
9. Quarterly Meeting Minutes, Sep, Dec 1985
10. Quarterly Meeting Minutes, Mar, Jun 1986
11. Quarterly Meeting Minutes, Sep, Dec 1986
12. Quarterly Meeting Minutes, Mar, Jun 1987
13. Quarterly Meeting Minutes, Sep, Dec 1987
14. Quarterly Meeting Minutes, Mar, Jun 1988
15. Quarterly Meeting Minutes, Sep, Dec 1988
16. Quarterly Meeting Minutes, Mar, Jun 1989
17. Quarterly Meeting Minutes, Sep, Dec 1989
18. Quarterly Meeting Minutes, Apr, Jun, Oct 1990
19. Quarterly Meeting Minutes, Jan, Apr 1991
21. Quarterly Meeting Minutes, Jan, Apr 1992
22. Quarterly Meeting Minutes, Jun, Oct 1992
23. Quarterly Meeting Minutes, Jan, Apr 1993
24. Quarterly Meeting Minutes, Jun, Oct 1993
25. Quarterly Meeting Minutes, Jan, Apr 1994
Box 5

2. Quarterly Meeting Minutes, Jan 1996
4. Quarterly Meeting Minutes, Jan, Apr, Oct 1997
6. Quarterly Meeting Minutes, Jan, Apr, Jun 1999
7. Quarterly Meeting Minutes, Jan, Apr 2000
8. Quarterly Meeting Minutes, Jun 2000
9. Trustee Directories, 1930s-1990s incomplete

Series II OPERATIONS

Box 6

Administration subseries

1. *CIS Summary of Activities, Programs, and Budgets 1972-1973*
5. Gift Shop, 1595-1960, 1996
11. Logo (CIS), 1982-1993

Admissions subseries

17. Correspondence and Memos, 1968-1993

Awards subseries

19. Mary Soper Pope Award--General, 1964
20. Mary Soper Pope Award--Revival, 1989
21. Mary Soper Pope Award—Frans Verdoorn, 1946
22. Mary Soper Pope Award—Charles Deam, 1947
23. Mary Soper Pope Award—William Vogt, 1948
24. Mary Soper Pope Award—Jens Christian Clausen, David Daniels Keck, William McKinley Hiesey, 1949
25. Mary Soper Pope Award—Martin Cardenas, 1951
26. Mary Soper Pope Award—Emma Lucy Braun, 1952
27. Mary Soper Pope Award—Irving Widmer Bailey, 1954
28. Mary Soper Pope Award—Kenneth Neatby, 1959
29. Mary Soper Pope Award—Edmund H. Fulling, 1962
30. Mary Soper Pope Award—Edgar T. Wheery, 1964
31. Mary Soper Pope Award—Hally Jolivette Sax and Karl Sax, 1966
32. Mary Soper Pope Award—Stanley A. Cain, 1969
33. Mary Soper Pope Award—William Campbell Steere, 1970
34. President’s Award for Excellence—Kathleen Roth, 1990

Budget/Finance subseries
35. Appraisal—Manufacturers’ Appraisal Company, 1952
36. Appraisal—CIS Art Collection, 1978
38. Appraisal—Upkeep Report, 1956
41. Appraisal—Upkeep Report, 1959
42. Budgetary Distribution Account Numbers, 1960s, 1973-1974
43. Financial Statements, 1930
44. Financial Statements, 1931-1932
45. Financial Statements, 1932-1933
46. Financial Statements, 1933-1934
47. Financial Statements, 1934-1935
49. Financial Statements, 1936-1937
50. Financial Statements, 1937-1938
51. Financial Statements, 1938-1939
52. Financial Statements, 1939-1940
53. Financial Statements, 1940-1941
54. Financial Statements, 1941-1942
55. Financial Statements, 1944
56. Financial Statements, 1945-1946
57. Financial Statements—Condensed, 1939-1946
58. Financial Statements, 1946-1947
59. Financial Statements, 1947-1948
60. Financial Statements, 1948-1949
61. Financial Statements, 1952-1953
63. Financial Statements, 1956-1957
64. Financial Statements, 1957-1958
65. Financial Statements, 1958-1959
66. Financial Statements, 1960
68. Financial Statements, 1963-1964
69. Financial Statements, 1964-1965
70. Financial Statements, 1965-1966
73. Financial Statements, 1968-1969
75. Financial Statements, 1971-1972
76. First Level Appropriation, 1979, 1985
77. First Level Appropriation—Report on the First Level Appropriation, July 13, 1985
78. Five year Financial and Programmatic Projections, August 1, 1985
79. Insurance, 1937, 1951-1979
80. Insurance, 1980-1993

Box 7

Community Relations subseries
2. Clubs—Michigan Wildflower Association, 1941-1942
3. Clubs—Oakland Audubon Society, 1973
5. Events, 1982-1984
6. Events—Autumn Fest, 1984
7. Events—CIS 10th Anniversary Celebration, 1940
8. Events—Danish Dinner, 1961
15. Fundraising, 1962-1982
22. Fundraising—Rainbows and Ice, 1992-1993
23. Fundraising—Silver and Ice, 1988
25. Fundraising—Treasures and Ice, 1989-1990
27. Membership, 1938-1959
28. Membership, 1965

**Maintenance subseries**

32. Air Conditioning—Skillman Wing—contracts & specs, 1961
34. Boiler, 1978
36. Construction—Correspondence, 1958-1962
38. Construction—Skillman Wing, 1963-1964
40. Equipment—Expenditures and Forecasts, 1936-1937
41. Equipment—Inventory, 1967
43. Floor Plans, undated
44. General, 1974-1983
45. General, 1984-1992
47. Health Hazards, 1964-1965
48. HVAC, 1967-1978
49. Nagey Courtyard—Correspondence, 1978-1979
50. Nagey Courtyard—Drawings, Contracts, Bids, 1978
51. Painting, 1979-1980
53. Parking/Traffic, 1985
55. Reflecting Pool—“Milles Pond” fish, 1979-1980
58. Security—File removed, restricted material
59. Security—File removed, restricted material
62. Storage Space Proposal, 1987
63. TV Antenna/Satellite Proposal, 1976

**Box 8**

2. Utilities, 1963
4. Vehicles—Correspondence, 1985-1986
5. Vehicles—Purchase and Sales, 1972-1986

Personnel subseries
6. File removed, restricted material
7. Department Head Meeting Minutes, Feb 1984-Jun 1984
8. Department Head Meeting Minutes, Jul 1984-Dec 1984
9. Department Head Meeting Minutes, Jan 1985-Jun 1985
10. Department Head Meeting Minutes, Jul 1985-Dec 1985
11. Department Head Meeting Minutes, 1986
12. Department Head Retreats, 1982
13. Department Head Retreats, 1985
15. Education Committee Meeting Minutes, 1996-1997
17. Executive Committee Meeting Minutes, 1996-1997
18. Honorary Appointments, 1985
19. Job Descriptions, 1973
20. Library Committee Meeting Minutes, 1996
22. Organizational Charts, 1960s-1990s various years

Properties subseries
27. contents relocated to 15:55A
33. Flood Estate Trust, 1982-1983
35. Beresford Farm—Appraisal, 1989
36. Beresford Farm—Hebert, James, 1983-1986
37. Beresford Farm—Spanger, James and Patricia, 1982-1989
38. Schjolin Property (127 Stoneybrook Lane), 1982-1997
39. Ward Property (Orchard Lake), 1969-1972
40. Ward Property (Orchard Lake), 1976-1985
41. Ward Property (Orchard Lake), 1988-1990
42. Ward Property (Orchard Lake), 1991-1992
43. Ward Property (Orchard Lake)—Outside Proposals, 1988-1990

Publications subseries
44. Catalogs and Publication Lists, various dates
46. Instructions to Authors, 1938-1939
47. Meeting Minutes, 1984-1993 (not complete)

Series III  EXHIBITS

Box 9

2. AIDS, 1993-1994
3. All Things Beautiful: The Japanese Tradition, 1984
4. Ancient Egypt and the Tomb of Tutankhamen, 1973
5. Animals as Architects, 1995
6. Audubon Prints, 1982-1993
7. Basketry of the North American Indians, 1941
9. Brochures & Announcements, undated, various years
12. Dinosaurs! Dinosaurs!, 1987
15. Earth Resources Technology Satellite (ERTS), 1974
16. Earth Science (modernization of existing exhibit), 1977
17. Earth’s Treasures, 1988-1990
18. Eskimo Exhibit, 1941
22. Exhibit Planning—Exhibit Development Team Extension Committee (EDTEC), 1988
23. Exhibit Planning—Exhibit Development Team Meeting Minutes, 1987
24. Exhibit Planning—Exhibit Development Team Meeting Minutes, 1988
26. Exhibit Planning—Existing Exhibit Analysis, 1987
27. Exhibit Planning—Exploratorium, 1980
34. Exhibit Planning—Schematics Design Phase, 1989-1990
35. Exhibit Planning—Work Groups, c. 1990
38. Foucault Pendulum, n.d., 1983
40. Guide to the Exhibits, 2nd ed., 1941
44. Guide to the Exhibits, 6th ed., 1956
46. Hall of Light and Color, 1979-1980
47. Halley’s Comet, 1985-1986
49. Human Experience, 1988-1990
50. Inua: Spirit World of the Bering Sea Eskimo, 1984-1985
51. It’s All in Your Head, 1995
52. Lasera, 1979-1982
54. Living World, 1988-1990
55. Masks: Occult and Utilitarian, 1940
56. Masters of the Night, 1993
57. Mathematics Emporium, 1965-1980
58. Michigan Sesquicentennial, 1986
60. Nature Orientation Center (Dedication), 1968
61. Observatory, 1970-1985
61A. Out of This World, n.d.
63. Physics Hall—Cohen Study, 1979
64. Physics Hall—Exhibit Surveys, 1974, 1984
65. A Pictoral Book of Exhibits, c. 1960s
67. San Diego Museum of Natural History, 1987
69. Shape of Mathematics, 1964-1966
71. Solar Energy, 1975
72. Speakeasy: Communicating in the ‘80s, 1982
73. Spiders!, 1994-1995

Box 10

1. Spiders! script (from the National Museum of Natural History), 1994
2. Sport, 1993-1994
3. Stories in Hair and Fur, 1949
4. Structures, 1993
5. Surface of the Sun, n.d.
6. Traveling Exhibits, 1941, 1950s-1976
7. 20th Century Dinosaurs, 1982
9. Wankel Engine, 1973
10. Water Wonders, 1995
13. Whales, 1983
13A. What in the World….?, n.d.

Series IV  EDUCATION

17. Brochures and Class Listings At the Museum, 1980s
20. Cranbrook on the Go Program, 1982, c.1990s
22. Distance Learning, 1993
25. Education Staff Correspondence, 1970s-1980s
27. Experimental Projects for Women and Girls Program, 1994
28. Fee Schedules, 1982
30. Field Trips, 1989-1992
32. Funding—General Electric Foundation/ASTC, 1985-1986
33. Funding—Howard Hughes Medical Institute, 1992
34. Funding—Kellogg Foundation, 1981-1987
35. Funding—Kellogg Foundation, 1988-1990
36. Funding—Knight Foundation, 1983-1989
37. Funding—Lyon Foundation, 1987-1990
38. Funding—Miscellaeous, 1980s-1990s
39. Funding—Skillman Foundation, 1984-1989
40. Funding—Skillman Foundation, 1989-1992
41. Funding—Skillman Foundation, 1995-1996
42. Games and Quizzes, c.1950s, 1952
43. Goals and Objectives, 1987
44. Hearing and Visually Impaired Program, 1984, 1989
45. High School Interns, 1987
46. Horizons Upward Bound Science and Math Center, 1992, 1994
47. Lake Superior State College, 1987-1988
48. Lawrence Technological University, 1996
49. Lectures—Searching for Dinosaur DNA, 1993
50. Michigan Education Seminars, 1984
52. Michigan Science Museum Collaborative, 1987
53. Michigan Science Museum Collaborative, 1988
54. Michigan Science Museum Collaborative, 1989
58. National Science and Technology Week, 1981
60. Newsletters, 1994
61. Oakland Community College, n.d.
63. Oakland University, 1973-1974
64. Photography Class, 1984
65. Physics Classes, n.d.
66. Physics Olympics, 1982
68. Pontiac, MI Public School System, 1985
69. Preschool Programs, 1988
70. Rediscovering Our Great Lakes Program, 1975-1976
71. School Visits, n.d., various 1950s-1980s
72. Science 4 Program, c.1984
74. Science Explorer Camp, 1980s
75. Science Hands-On!, c.mid-1990s
76. Science is Everywhere Program, 1996
77. Science Museum (television show), 1964
78A. Starlab, 1987
79. Summer Science Camp, 1979-1981
81. Teacher Training Proposal, 1973
82. Uni-Science Program, 1994-1995
85. Up With Science Program, 1982

Series V RESEARCH

Box 11
Arboretum Development Subseries
4. Cranbrook Living Arboretum (Beresford Center) Proposal, 1982

Divisions Subseries
5. Research Summaries, 1930-1980
9. Botany, Bruce Peninsula (Ontario), 1949
10. Botany, Cain, Stanley, Published Works, 1938-1949
11. Botany, Cain, Stanley, Macatawa Dunes Survey, 1948
15. Botany, Origination Papers, 1939
22. Botany, Wells, James, Fly Ash Project (Detroit Edison), 1985-1986
23. Botany, Wells, James, Michigan Islands Botanical Research, 1987
25. Botany, Wells, James, NIH Proposal, Biosystematic Studies and Protein Enrichment Investigations in Polynmia sonchifolia (Compositae), 1969
27. Director, Research Reports, 1961
28. Director, West, Robert, Kathmandu (Nepal), 1987
29. Director, West, Robert, Kathmandu (Nepal), 1988
30. Director, West, Robert, Published Works, 1970-1974
31. Director, West, Robert, Published Works, 1976
32. Director, West, Robert, Published Works, 1977-1978
33. Director, West, Robert, Published Works, 1979
34. Director, West, Robert, Published Works, 1980
35. Director, West, Robert, Published Works, 1981
36. Director, West, Robert, Published Works, 1983
37. Director, West, Robert, Published Works, 1985-1986
38. Director, West, Robert, Published Works, Chitarwata Series, Correspondence, 1987
39. Director, West, Robert, Published Works, Chitarwata Series, Correspondence, 1988
40. Director, West, Robert, Published Works, Chitarwata Series, Correspondence, 1989
41. Director, West, Robert, Published Works, Chitarwata Series, Correspondence, 1990
42. Director, West, Robert, Published Works, Chitarwata Series, Correspondence, 1991
43. Director, West, Robert, Published Works, Chitarwata Series, 1991
45. Director, West, Robert, Published Works, Endangered and Orphaned Natural History and Anthropology Collections in the United States and Canada, Correspondence, 1987
46. Director, West, Robert, Published Works, Endangered and Orphaned Natural History and Anthropology Collections in the United States and Canada, Correspondence, 1988
47. Director, West, Robert, Published Works, Endangered and Orphaned Natural History and Anthropology Collections in the United States and Canada, 1988
48. Director, West, Robert, Published Works, Miocene Vertebrates from the Siwalik Group, Western Nepal, Correspondence, 1989-1991
49. Director, West, Robert, Published Works, Miocene Vertebrates from the Siwalik Group, Western Nepal, Correspondence, 1991
50. Director, West, Robert, Published Works, Paramys Wyomingensis, a Small Rodent from the Middle Eocene of Wyoming, 1969
53. Director, West, Robert, Published Works, State Regulation of Geological, Paleontological, and Archaeological Collecting, Correspondence, 1989
54. Director, West, Robert, Published Works, State Regulation of Geological, Paleontological, and Archaeological Collecting, 1989
55. Director, West, Robert, Published Works, State Regulation of Geological, Paleontological, and Archaeological Collecting, Correspondence, 1990
56. Director, West, Robert, Published Works, State Regulation of Geological, Paleontological, and Archaeological Collecting, Correspondence, 1991
57. Director, West, Robert, Published Works, State Regulation of Geological, Paleontological, and Archaeological Collecting (Updated), 1991
58. Director, West, Robert, Society or Vertebrate Paleontology, 47th Annual Meeting, 1987
59. Director, West, Robert, Society or Vertebrate Paleontology, Government Liaison Committee, 1987-1989
60. Director, West, Robert, Society or Vertebrate Paleontology, Government Liaison Committee, 1990-1991
63. Geology, Mineralogy and Paleontology, Shelton Property Excavation, 1983
64. Geology, Mineralogy and Paleontology, Shelton Property Excavation, 1984
65. Geology, Mineralogy and Paleontology, Shelton Property Excavation, 1984-1985
66. Geology, Mineralogy and Paleontology, Shelton Property Excavation, 1986
68. Geology, Mineralogy and Paleontology, Summit Place Mall Excavation, 1989
69. Zoology, Bird Banding, Permit, 1955-1959
70. Zoology, Bird Banding, Research Reports, 1959-1982
71. Zoology, Dice, Lee, Public Health Service Research Grant (M2050/M1650), Heredity of Behavior Type in Peromyscus, 1956-1964
72. Zoology, Harding, James, Wood Turtle, 1979-1987
73. Zoology, Newcombe, Curtis, Crab Studies, 1949
75. Zoology, Research Associates, Fowler, James, 1962
76. Zoology, Research Reports, 1968-1980

Box 12
Lake Research Subseries

Inland Lakes Sub-subseries
1. Bacterial Contamination Research Proposal (C-5148), 1973
2. Child Lake, Plant Population Data, 1948
3. Echo Lake, Plant Population Data, 1948
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6. ERTS, Eutrophication of Inland Lakes, Mapping Report, 1974
8. Heart Lake, Pollen Analytic Study, 1948
20. Kingswood Lake, Vegetation Control, 1947-1953
21. Lake Angelus, Pollution Study, 1969
22. Lake Angelus, Pollution Study, 1970
23. Lake Management Symposium, 1972
24. Orange Lake, Vegetation Data, 1948
25. Orchard Lake, Vegetation Data, 1948
26. Progress Reports, 1946-1949
27. Sodon Lake, Chemical Analysis, 1947
28. Sodon Lake, Field Notebooks, 1946-1947
29. Sodon Lake, Field Notebooks, 1947
30. Sodon Lake, Green Sulphur Bacterium, 1947-1950
31. Sodon Lake, Light Readings, 1947-1949
32. Sodon Lake, Mollusk Reports, 1949
33. Sodon Lake, Organic Matter Data, 1947-1949
34. Sodon Lake, Oxygen Studies Data, 1947
35. Sodon Lake, Ph Data, 1947
36. Sodon Lake, Plankton Analysis Data, 1947
37. Sodon Lake, Pollen Reports, 1948
38. Sodon Lake, Sediment Color Grading Data, 1948
39. Sodon Lake, Seeding-on Experiments, 1947
40. Sodon Lake, Temperature Data, 1947
41. Sodon Lake, Temperature Data, 1948
42. Sodon Lake, Temperature Data, 1949
43. Sodon Lake, Temperature Reports, 1948
44. Sodon Lake, Temperature Reports, 1949
45. Sodon Lake, Vegetation Data and Reports, 1947-1948
46. Sodon Lake, Water Productivity Reports, 1950
47. Walnut Lake, Light Reading/Phosphorus Data, 1947
48. Walnut Lake, Vegetation Data, 1948
49. Wing Lake, Pollution Study, 1969-1970
50. Wing Lake, Vegetation Data, 1948

**Great Lakes Research Group Sub-series**

51. EPA Projects, Monroe Harbor (R810232-01), 1982
52. EPA Projects, Monroe Harbor (R810232-02), 1982-1983
53. EPA Projects, Monroe Harbor (R810232), 1983
54. EPA Projects, Monroe Harbor (R810232), 1984
55. EPA Projects, Monroe Harbor (R810232-02), 1985-1986
56. EPA Projects, Saginaw Bay (R802685-1), 1973
57. EPA Projects, Saginaw Bay (R802685-2), 1974-1975
58. EPA Projects, Saginaw Bay (R802685), International Joint Commission Report, 1977
59. EPA Projects, Saginaw Bay (R802685), 1975-1980

**Box 13**

1. EPA Projects, Saginaw Bay (R804442-01), 1976-1977
2. EPA Projects, Saginaw Bay (R804442-02), 1977-1978
3. EPA Projects, Saginaw Bay (R804442-03), 1978-1986
4. EPA Projects, Saginaw Bay (R806597), 1979
5. EPA Projects, Saginaw Bay (R806597), Feb 1980-Mar 1980
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9. LLRS, Government Funding, 1981
10. LLRS, Government Funding, 1982
11. LLRS, Government Funding, Jan 1983-Feb 1983
12. LLRS, Government Funding, Mar 1983
13. LLRS, Government Funding, Apr 1983
14. LLRS, Government Funding, 1983(?)
15. LLRS, Reorganization, 1984
17. Workshops, Dioxins in the Environment, 1983
18. Workshops, Transport and Fate of Particulate Associated Pollutants, 1983

**Library Sub-series**

19. Annual Report, 1982
20. Book Inventory, 1976
24. Expansion/Collection, 1974-1985
25. Policy, 1979
27. Serial Holdings and Subscriptions, 1969-1977

Visiting Scholars Program Subseries
32. Fox, Denis, 1969-1970
33. Fox, Denis, Personal Correspondence, 1971-1983
34. Sax, Karl, 1966-1973
35. Thompson, Eric, 1966-1975

Cain, Stanley Iconography Subseries
36. Cattail Marsh, Chlorophyceae, 1947
37. Cattail Marsh, Chlorophyceae, 1947
38. Cattail Marsh, Chlorophyceae, 1947
40. Cattail Marsh, Chlorophyceae, 1947
41. Cattail Marsh, Dinophyceae, 1947
42. Cattail Marsh, Myxophyceae, 1947
43. Cranbrook Fountain Pool, Chlorophyceae, 1947
44. Cranbrook Fountain Pool, Myxophyceae, 1947
45. Cranbrook Lake, Bacillarieae, 1947
46. Cranbrook Lake, Chlorophyceae, 1947
47. Cranbrook Lake, Chlorophyceae, 1947
48. Cranbrook Lake, Chlorophyceae, 1947
49. Cranbrook Lake, Euglenophyceae, 1947
50. Cranbrook Lake, Myxophyceae, 1947
51. Cranbrook Lake, Plankton, 1947
52. Cranbrook Lake, Plankton, 1947
53. Cranbrook Lake, Protozoa, 1947
54. Cranbrook Lake, Protozoa, 1947
55. Cranbrook Lake, Trochelminthes, 1947
56. Cranbrook Pond, Chlorophyceae, 1947
57. Cranbrook Pond, Protozoa, 1947
58. Cranbrook Pond, Rotaroria, 1947
59. Echo Lake, Plankton, 1947
60. Haven Hill, Chlorophyceae, 1947
61. Highlands Area, Chlorophyceae, 1947
62. Highlands Area, Dinophyceae, 1947
63. Highlands Area, Heterokontae, 1947
64. Highlands Area, Myxophyceae, 1947
65. Newcomb Lake, Chlorophyceae, 1947
66. Newcomb Lake, Dichothrix, 1947
67. Newcomb Lake, Heterokontae, 1947
68. Newcomb Lake, Myxophyceae, 1947
69. Orange Lake, Chlorophyceae, 1947
70. Orange Lake, Dinophyceae, 1947
71. Orange Lake, Myxophyceae, 1947
72. Orchard Lake, Bacillarieae, 1947
73. Oxbow Road, Bacillarieae, 1947
74. Sodon Lake, Bacillarieae, 1947
75. Sodon Lake, Chlorophyceae, 1947
76. Sodon Lake, Chlorophyceae, 1947
77. Sodon Lake, Cyanochloridinae, 1947
78. Sodon Lake, Fossils, 1947
79. Sodon Lake, Fossils, 1947
80. Sodon Lake, Fossils, 1947
81. Sodon Lake, Heterokontae, 1947
82. Sodon Lake, Myxophyceae, 1947
83. Sodon Lake, Myxophyceae, 1947
84. Sodon Lake, Plankton, 1947
85. Sodon Lake, Plankton, 1947
86. Sodon Lake, Plankton, 1947
87. Sodon Lake, Plankton, 1947
88. Sodon Lake, Plankton, 1947
89. Sodon Lake, Plankton, 1947
90. Sodon Lake, Protozoa, 1947
91. Sodon Lake, Vegetation, 1947
92. Sodon Lake, Vegetation, 1947
93. Sogden Lake, Arthropoda, 1947
94. Sogden Lake, Bacillarieae, 1947
95. Sogden Lake, Chlorophyceae, 1947
96. Sogden Lake, Plankton, 1947
97. Sogden Lake, Plankton, 1947
98. Sogden Lake, Protozoa, 1947
99. Sogden Lake, Rotatoria, 1947
100. Teeple Hill Lake, Myxophyceae, 1947

Series VI  RENOVATION & EXPANSION

Box 14

3. Assistant Director’s Report, 1989-1990
4. Children’s Shop, Workshop, Bookshop, 1974
5. Competitive Positioning Study (2 copies), June 1986
6. Consultants (list of), 1984
7. Edison House—Dedication, 6-1-1966
12. Expansion Proposal, 1945
15. Funding—Bond Issue, 1994
18. GHA—Interpretive Planning Report, June 1989
19. GHA—Schematic Design Drawings, 1989
24. HOK—Preliminary Code Review (2 copies), May 1989
25. HOK—The Saarinen Tradition by William Odell, 1989
26. HOK—Schematic Design Summary, April 1989
27. Hoffman, Dan, 1991
29. HVAC, 1989
30. Interim Exhibit Strategy, 1986
32. Market Research, June 1984
34. Market Survey of Oakland, Wayne, and Macomb Counties, July 1984
35. National Register of Historic Places, 1987
40. Operating Expense Projections, 1988, 1992
42. Phase I—Security Risk Analysis and Recommendations, 1996
44. Project Background and Key Dates, 1970s-1990s
45. Project Organization, n.d., 1988
46. Project Schedules, 1989-1996
47. Project Team Goals and Objectives, 1989
48. Project Team Meeting Minutes (includes all committees), 1985-1986
49. Project Team Meeting Minutes (includes all committees), 1988
50. Project Team Meeting Minutes (includes all committees), Jan-May 1989
51. Project Team Meeting Minutes (includes all committees), Jun-Dec 1989
52. Project Team Meeting Minutes (includes all committees), 1990-1991
53. Project Team Quarterly Reports, Jun-Aug 1989
54. Project Updates, 1991
57. Soil Investigation, 1989
59. TMP Associates, c. late 1970s
60. Wint, Dennis—Renovation & Expansion files pertaining to, 1984-1986

Series VII CORRESPONDENCE

Box 15

1. “A” general, 1930-1940
2. “A” general, 1941-1950
3. “A” general, 1951-1960
8. Academy of Art, 1983
9. Academy of Art, 1984-1985
10. Academy of Art, 1986-1987
13. Allen, Sanford, 1947-1957
14. “B” general, 1930-1940
15. “B” general, 1941-1950
17. “B” general, 1961-1965
24. Beresford, James, 1930-1969
27. Bingham, Marjorie, 1935-1946
28. Board of Trustees (CIS), 1930-1973
29. Booth, George, n.d., 1927, 1930-1941
33. Bowen, Robert N., 1979
34. Bowen, Robert N., 1980
37. Bulkley, J. James, 1950-1955
38. Butchart, G. Reeves, 1951-1960
40. “C” general, 1930-1940
41. “C” general, 1941-1950
42. “C” general, 1951-1960
43. “C” general, 1962-1964
44. “C” general, 1965-1969
46. “C” general, 1981-1989
47. Cahalane, Victor H., 1931-1934, 1963
50. Christ Church Cranbrook, 1950-1951
54. Cranbrook Foundation, 1932-1983
55A Cranbrook Foundation – Housing, 1946-1974
56. Cresap, McCormick & Paget, 1965
57. Curtis, Heber D., 1934
58. “D” general, 1934-1940
59. “D” general, 1941-1950
60. “D” general, 1951-1960
63. “D” general, 1982-1989
64. Dahlberg, LeRoy W., 1960-1983

Box 16

5. “E” general, 1933-1950
8. “F” general, 1934-1950
12. “G” general, 1930-1955
18. “H” general, 1931-1950
21. Hall, Dr. Marion T., 1950-1951
25. Horizons Upward Bound (HUB), 1991
26. Hulbert, Henry S., 1930-1959
27. “I” general, 1946-1951
32. Junior College proposal, 1940-1941
33. “K” general, 1932-1950
36. Kingswood School, 1950
38. Leopold, Nathan F., 1924-1974
39. “M” general, 1926-1950
40. “M” general, 1951-1960
42. “M” general, 1973-1982
43. Mains, Edward, 1947
44. Martin, Dan, 1980-1982
45. Martin, Dan, 1983
46. Martin, Dan, 1984
47. Mexico, 1950-1951
50. Michigan State University, 1950-1951
51. Michigan, University of, 1944, 1950-1951
52. “Mc” general, 1926-1950
54. McMath, Robert, 1932-1965

Box 17

1. “N” general, 1930-1976
4. Newcomb Memorial Fund, 1951-1952
7. “P” general, 1939-1950
8. “P” general, 1951-1959
12. Prescott, G. W., 1947, 1951
13. “Q” general, 1950
15. Roth, Kathleen, 1980-1987
18. “S” general, 1961-1967
25. Tyrrell, W. Bryant, 1929-1930, 1954
28. United States Department of State, 1951, 1963
32. Van Tyne, Josselyn, 1946-1951
33. “W” general, 1930-1950
34. “W” general, 1951-1970
35. “W” general, 1972-1987
37. Wayne [State] University, 1936-1951
40. Wint, Dennis M., 1982-1983
41. Wint, Dennis, M., 1984-1986
45. “Y” general, 1951-1979
46. “Z” general, 1963

Series VIII OVERSIZED MATERIALS

Box 18

1. HOK Facility Program for CIS, August 1984

Box 19 Restricted files—no access
CIS Director’s Papers Index

Abbreviations used in the index are listed as follows:
CAA=Cranbrook Academy of Art
CEC=Cranbrook Educational Community
CIS=Cranbrook Institute of Science
EDT=Exhibit Development Team
EDTEC=Exhibit Development Team Extension Committee
EPA=United State Environmental Protection Agency
ERTS=Earth Resources Technology Satellite
GLC=Government Liaison Committee of the Society of Vertebrate Paleontology
GHA=Gerard Hilferty & Associates
HOK=Hellmuth, Obata and Kassabaum
LLRS=Large Lake Research Station (located in Grosse Ile, Michigan)
SVP=Society of Vertebrate Paleontology

A
&A Asphalt Paving Co.  15:4
Abbey Homes  15:5
Abu Simbel  17:28
Academy of Natural Sciences 15:4
Academy of Art  15:30
   --correspondence  15:7-11
   --gifts to  15:7
   --loans from  9:1, 15:8-9
   --Triton Pool—water quality  13:32
   --Wallace Mitchell  15:4
Accessioning & cataloging procedures—exhibits  9:20
Adler Planetarium  16:54
Admissions  6:15-18
Adney, A. T.  15:2, 15:44
AIDS exhibit  9:2
Alabama, University of  15:4
Alaska—film by Ben East  16:12
Alaska
   --Native American rights  17:29
   --statehood  17:29
Albany Institute of History and Art  15:5
Alberta [Canada] Natural Resources and Sciences Centre  15:6
Aleksa, John  15:4, 15:31, 15:36
Algae study  15:48
All Things Beautiful: The Japanese Tradition exhibit  9:3
Allen, Louis  15:12
Allen, Sanford  15:13, 15:54, 16:33
Allied Film Laboratory  15:5
Alma Public Schools  15:1
Altman, Ralph  15:3
Althin, Torsten  15:5
American Association of Museums (AAM)  15:5-6, 15:14, 15:40, 16:5, 17:41
American Association of University Women  15:3, 15:6
American Meteorite Laboratory  15:2
American Meteorite Museum  15:3
American Museum  15:6
American Museum of Natural History  15:1, 15:36
---Clyde Fisher (American Indians)  15:2
---Brian Mason  15:4
---specimen purchase  15:2
Amster, Jerry  17:40
Analemma (Arrival Feature)  14:2
Ancient Egypt and the Tomb of Tutankhamen exhibit  9:4
Angell Foundation  15:5
Animal hides  15:19, 15:40, 17:19, 17:26
Animals as Architects exhibit  9:5
Annual reports  1:1-48, 2:1-9
Anschultz, Reynold G.—mineral donation  15:3
Anthropology collection  15:44
Apple Computers  15:6
Apple Island  8:28 see also Cranbrook Nature Sanctuary
Applied Science and Technology, Inc.  8:43
Appraisals  6:35-41, 17:19
Arboretum
---development  11:1-4
---plan  16:30, 17:40
Architect selection—renovation & expansion project  14:1
Architectural Advisory Council  14:1
Archives at CIS—proposed creation of  7:62
Argyllite carvings  15:62
Armed Forces exhibit  17:26
Arizona Highways—art of William H. Howe  15:5
Arnold Arboretum  15:3
Arrival Feature  14:2
Art Institute of Chicago  15:43
Art Metal Construction Company  15:1
Art collection—CIS  6:36
Articles of Incorporation  2:10
Association of American University Presses  15:3-4
Association of Science Museum Directors (ASMD)  11:45-47
Association of Systematics Collections  11:45-47
Astronomy program  16:2
At the Museum  10:17
Atlantic Ecological Research Station  15:17
Atlas Designed to Illustrate Geography of the Heavens 15:45
Attendance figures 6:15
Audubon prints 9:6
Audubon Society—Kirtland’s Warbler 15:6
Australian Mining & Exploration Co. 15:6
Autumn Fest 7:6
Avinoff, A. 15:40
Awards
  --Mary Soper Pope award 6:19-33
  --President’s Award for Excellence 6:34

Backus, Mrs. Standish 15:16
Bailey, Karl D. 15:16, 12:23
Baker, William H. 15:17
Baltimore Museum of Art 15:59
Barden House 15:55A
Barnes, Dr. Carl, Jr. 10:63
Bartz, Christine 13:21
Basketry of the North American Indians exhibit 9:7
Bauder, Lillian 15:20-23, 17:39
Baxter, Dr. Dow V. 15:17-18, 16:24
Bayer, Goren, Gornbein, Gropman, and Kaplan, P.C.—Drinkwine lawsuit 16:4
Beaudette, Mrs. O. L. 15:14
Beaver Island 15:47
Bee Club 15:46
Belanger, C. A. 15:16-17
Belprez, George 15:18
Benedict, G. W. 15:14
Bendix Corporation 9:15
  --Bendix Aerospace Systems Division 12:4-6
Benninghoff, Bill 13:23
Bentz, Whaley, Flessner & Associates, Inc. 6:78
Beresford family 2:13
  --Beresford, Florence Booth 8:29, 8:34, 15:17, 15:19, 17:40-41
  --Florence Booth Beresford Trust 17:41
  --Beresford, James A. 15:24, 16:22, 17:2, 17:43-44
  --Beresford, John B. 17:40
  --Beresford, William E. 15:25, 15:36
Beresford farm (Metamora, MI) 8:34-37, 15:20
  --appraisal 8:35
  --CEC v. Hebert, et al 8:36
  --CEC v. Spangler, et al 8:37
  --purchase agreement 11:4
Beresford Foundation 14:4
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beresford property (411 Lone Pine Rd.)</td>
<td>2:13, 8:29, 15:21, 17:40</td>
</tr>
<tr>
<td>Beresford teaching center (Mineral Hall)</td>
<td>9:59</td>
</tr>
<tr>
<td>Bicentennial exhibits</td>
<td>9:8, 10:70</td>
</tr>
<tr>
<td>Bicknell, Alice</td>
<td>12:30, 16:23</td>
</tr>
<tr>
<td>Billington, Cecil</td>
<td>15:54, 17:1</td>
</tr>
<tr>
<td>Bingham, Marjorie</td>
<td>15:27</td>
</tr>
<tr>
<td>Bird banding</td>
<td>11:69-70, 15:31</td>
</tr>
<tr>
<td>Bird Research Foundation</td>
<td>16:22</td>
</tr>
<tr>
<td>Black, Fred</td>
<td>15:16</td>
</tr>
<tr>
<td>Blain, Alexander W.</td>
<td>15:15</td>
</tr>
<tr>
<td>Blakslee, George C.</td>
<td>16:26</td>
</tr>
<tr>
<td>Blanchard, Congressman James</td>
<td>13:9</td>
</tr>
<tr>
<td>Bloomfield Hills City Council—satellite/TV antenna proposal</td>
<td>7:63</td>
</tr>
<tr>
<td>Blue Sky plan (future planning)</td>
<td>6:4</td>
</tr>
<tr>
<td>Blythe, Gerald S.</td>
<td>15:55, 16:23</td>
</tr>
<tr>
<td>Board of Governors</td>
<td>see Trustees</td>
</tr>
<tr>
<td>Boehlert, Sherwood</td>
<td>17:29</td>
</tr>
<tr>
<td>Boilers</td>
<td>15:54</td>
</tr>
<tr>
<td>Bolivian textiles</td>
<td>17:45</td>
</tr>
<tr>
<td>Bone identification</td>
<td>15:42</td>
</tr>
<tr>
<td>Booth, Alice (Mrs. Warren)</td>
<td>17:4</td>
</tr>
<tr>
<td>Booth, Ellen Scripps memorial</td>
<td>16:16</td>
</tr>
<tr>
<td>Booth, Henry Scripps</td>
<td>11:1, 15:24, 15:54</td>
</tr>
<tr>
<td>--correspondence</td>
<td>15:30</td>
</tr>
<tr>
<td>--grant to CIS, 1946</td>
<td>16:54</td>
</tr>
<tr>
<td>--Maple Sugar Festival, poem</td>
<td>15:30</td>
</tr>
<tr>
<td>Booth, George G.</td>
<td></td>
</tr>
<tr>
<td>--correspondence</td>
<td>15:29</td>
</tr>
<tr>
<td>--Henry S. Hulbert</td>
<td>16:26</td>
</tr>
<tr>
<td>--mineral donation to start CIS</td>
<td>15:29</td>
</tr>
<tr>
<td>--Native American collection</td>
<td>16:22</td>
</tr>
<tr>
<td>--Rowland collection purchase</td>
<td>16:39, 17:16</td>
</tr>
<tr>
<td>--Chester Slawson correspondence</td>
<td>17:21</td>
</tr>
<tr>
<td>Booth George G. Corporation</td>
<td>2:50</td>
</tr>
<tr>
<td>Booth, James Scripps</td>
<td>15:16</td>
</tr>
<tr>
<td>--car collection</td>
<td>15:29</td>
</tr>
<tr>
<td>Booth Lake</td>
<td>12:20 see also Cranbrook Lake and Kingswood Lake</td>
</tr>
<tr>
<td>Booth Memorial Committee</td>
<td>15:15</td>
</tr>
<tr>
<td>Booth, Warren</td>
<td>15:14, 16:22</td>
</tr>
<tr>
<td>Botany</td>
<td>15:27, 15:48, 16:21</td>
</tr>
</tbody>
</table>
Bouchard, Rep. Mike 15:23
Bowen, Robert 15:7
   --Barden House 8:27
   --correspondence 13:33, 15:31-34
Boy Scouts of America 15:35
Bradfield, Elizabeth 15:14
Brady, R. McClelland 15:14, 15:26, 15:29
Braun, Emma Lucy 6:26, 17:11
Brede, Ruth Bowell 15:43
Brieux, Alain 15:43
Brixley, Shawn 15:10
Brooklyn [NY] Museum 15:14, 16:22-23
Brookside School—Audubon prints 9:6
Brown, G. Arthur, Jr. 15:36, 17:43
Bruce Museum 16:19
Bruny Brothers Inc.—title contractors 15:15
Buckberrough, John
   --Land description, CIS 2:53
Budget/Finance 6:35-81, 15:53
   --insurance for collections 16:33-35
Budget cutbacks, science education 10:55
Buffalo [NY] Museum of Natural History 15:14
Buffalo [NY] Museum of Science 15:15, 15:27
Building footage 7:35
Bulkey, L. James 15:16
   --correspondence 15:37
Bunt, Floyd 12:8, 17:37
Butchart, Mrs. G. Reeves 15:38, 16:3, 17:32
Butler, Michael V. 15:39
Bylaws 2:54

Cahalane, Victor H. 15:57, 16:26, 16:54
   --correspondence 15:47
   --resignation 16:2
Cain/Cowles collection 13:23
Cain, Louise 15:48
Cain, Stanley A. 15:41, 17:12
   --correspondence 15:48
   --manuscripts 11:12-13, 12:32
   --Mary Soper Pope award 6:32, 17:11
   --papers 11:12-13
   --published works 11;10, 12:37, 12:44
   --research 15:48
   --research, botany 11:11
Canoe—Solomon Islands 16:10, 16:24
Cardenas, Martin 6:25, 17:11, 17:28
Carlebach, Julius, Inc. 15:41
Carmel, James H. 12:10
--correspondence 15:49
Carnegie Institution of Washington 15:42
Carnegie Mineralogical Award 2:54
Carolina parroquets (bird) 15:58, 16:22
Carr, Congressman Bob 13:13, 17:29
Carr, John and Son 15:43
Carrier pigeons 16:18
Carson Astronomical Instruments 15:45
Case, Gerald R. 11:38-42
Cassirer, F.W. 15:40
Cattail Marsh 13:36-42
CEC 6:16
--centralization 15:28
--centralization proposal (1962) 15:54
Cemetery—North Territorial Road, Plymouth, MI 15:32
Cenco Instruments Corporation 17:18
Central Cottage Industries Emporium 17:43
Chamaedaphne Bog 13:64
Chandler, Milford G. 15:42
Changing Earth exhibit 9:10
Chicago Natural History Museum 15:42
Child Lake 12:2, 12:38
Children’s Museum of Indianapolis 16:12
China dinner set 16:39
Chissus Construction 7:36, 14:36
Christ Church Cranbrook (CCC) 15:50
Church-Craft 15:36, 15:43
Cider press 17:15
Circus elephant (Jenny) 11:68
Cisler, Walker 10:31
CIS 10th anniversary celebration 7:7
Cisler, Walker L.
--correspondence 15:51
Civil Service testing 15:53
Clampitt, Philip 12:13-15
Clausen, Jens Christian 6:24, 17:11
Cleveland Museum of Natural History 15:40-41
Clubs
--Aboriginal Research Club 17:13
--Michigan Botanical Club 7:1, 16:21, 16:40, 17:5
--Michigan Wildflower Association  7:2
--Oakland Audubon Society  7:3
--Sigma Xi  7:4
Cobo Hall  17:39
Cohen, Laura  15:45
Colburn, William B.  15:26, 15:42-44
--bequest to CIS  15:52, 15:64
--correspondence  15:52
Colby, Frederick L., Jr.  15:43
Collection Connection exhibit  9:11
Collection management policies  9:20
Coleman, Laurence Vail  15:30
Colter, Bruce, Jr.  15:45
Columbia University  16:52
Comar Corporation 7:42, 15:45  see also Space/Defense Corporation
Committees (Trustees/Board of Governors)
  --Annual Giving  2:12
  --Beresford Property  2:13
  --Building  2:14, 16:33
  --Capital Campaign  2:15
  --Community Relations  2:16, 2:17, 2:18, 2:19
  --Cranbrook Nature Sanctuary  2:20
  --Development  2:21
  --Educational Programs Advisory  2:22
  --Education  2:23-2:25
  --Executive  2:26-2:28
  --Finance  2:29, 16:18, 17:2
  --Governance  2:30
  --Mineralogical  2:31
  --New Wing/Renovation & Expansion  2:32-2:35
  --Nominating  2:36
  --Operating Procedures  2:37
  --Operations (Forward) Planning  2:38
  --Planning, Promotion & Public Relations  2:39
  --Publications  2:40
  --Research  2:41-2:43
  --Science Advisory  2:44
  --Special Projects  17:21
  --Ways & Means  2:45
Community relations  7:1-30
Computers  7:39, 15:45
  --computer-assisted exhibits  16:7
  --educational programs with computers  10:18
Conferences
  --3rd Annual Remote Sensing of Earth Resources Conference  12:6
Connelly, Mimi  15:11
Construction 7:36-38 see also Maintenance
   --west wing 7:36
   --Nagey Courtyard 7:49-50
   --Skillman wing 7:37-38
Consumers Power 15:46
Cooper, Douglas 15:23
Cooper, Paul 15:41
Cooper, William E. 16:2
Cornell, Sydney and Sandra 8:37
Cornell University 15:49
Coronet Instructional Films 17:14
Coward McCann Publishing Company 15:44
Craft books 10:19
Cranbrook Central Committee 15:53
Cranbrook Foundation 15:13, 15:17, 15:26, 15:29-30, 17:42
   --correspondence 15:54
Cranbrook Fountain Pool 13:33-34
Cranbrook, Kent, England 16:5-6
Cranbrook Lake 12:20, 12:26, 12:28-29, 13:45-55 see also Kingswood Lake and Booth Lake
   --Apple Island 8:28
   --archaeological work 15:19
   --Boy Scouts of America 15:35
   --fencing 16:42
   --Flood Nature Chalet 8:31-33
   --Friends of the Nature Sanctuary 8:42
   --Hickory Pointe subdivision 15:34
   --security 16:28
   --Walter P. Nickell fireplace 17:44
   --Ward property 8:39-43, 15:26
   --opposition to sale of 8:42, 15:23
Cranbrook On the Go program 10:20
Cranbrook Pond 13:56-58
Cranbrook Run 17:15
Cranbrook School
   --correspondence 15:55
   --observatory 16:52
   --science educational programs for 15:40, 16:2
Cravin, James A. 15:14
Cresap report 2:46
Cresap, McCormick and Paget 15:56
Croze, Harvey Jr. 15:46
Cultural Properties Committee 15:9
Cumming, Ruth 15:46
Curtis, Heber D.
D

MB&B Public Relations 8:43
Dahlberg, LeRoy W.
  --correspondence 15:64
Danish Ambassador—Count Keild Gustav Knuth-Winterfeldt 7:8
Danish Dinner 7:8
Dansereau, Pierre 15:60, 17:8
Dartmouth College 15:60-61, 16:24
Deam, Charles 6:22, 17:11
Deane, Rodney William 16:40
Dearborn Historical Museum 15:60
Deaton Museum Studio 16:24
Deer, white-tailed 15:61
DeLuxe Metal Furniture Company 15:58
Denio, John 15:18
Denver [CO] Art Museum 15:59
Department of Education 10:21
Department of Natural Resources—loan 17:1
DeTerra, Helmut 15:59
Detroit Acoustical Contracting Company 15:59
Detroit Adventure, Inc. 15:61-62, 16:24
Detroit Astronomical Society 15:59
Detroit Edison 13:11-12, 16:15
  --correspondence 16:1
  --Monroe Power Plant 11:22
Detroit educational television 15:61
Detroit Historical Museum 15:60
Detroit Historical Society 15:59
  --Rowland collection 15:26
Detroit Institute of Art 15:58-59, 15:61, 17:31
Detroit Institute of Science 16:52
Detroit News 15:26
Detroit Public Schools 10:39-40, 10:72, 15:60
Detroit Science Center 2:47, 15:24, 15:49, 15:51, 15:61, 15:64, 16:28, 17:10, 17:34
Detroit Science Museum Society—development of Detroit Science Center 15:60
Detroit Zoological Institute 10:48, 15:60, 15:63, 17:39
Detroit’s 250th anniversary celebration 15:60
Development office—establishment of 17:24
Dewhurst, C. Kurt 10:56
Diamond, Judy 9:67
Dice, Lee 15:26, 15:47, 15:57, 16:54 (as acting director)
  --correspondence 16:2
  --published works 11:74
Dinosaur tracks  17:1
Dinosaurs! Dinosaurs! Exhibit  9:12
Diorama—land conservation  16:40
Director (CIS) correspondence on microfishe  15:34
Director (CIS) search  15:26, 16:54 (1934)
Discovery Room exhibit  9:13
Distance learning  10:22
Distortion mirror  16:41
Diversity Task Force  2:19
Dockstader, Frederick  16:3, 16:44
Dodge, Cora  15:61
Dog skeletons  16:19
Donations  15:19, 15:54
  --bald eagle  15:40, 15:47
  --emerald  15:36
  --minerals  15:24-25
  --Nevin Fisk donation of Pre-Colombian artifacts  17:15, 17:40
Donor report (to Board of Governors)  2:48
Drake farmsite  16:42
Dream Committee—future planning  6:4
Drinkwine, Tammy—lawsuit  16:4
Duffield, Henry Jr.  15:58
DuMouchelles Certified Auctioneers and Estate Appraisers  7:60
Dunn, Mrs. Alfred D.  15:61
Dutch Elm disease—spraying on Cranbrook campus  17:5-6
Dworak brass collection  17:26

James, Charles—*Powers of Ten* film  16:7
Earth Day  10:23
Earth Quest exhibit  9:14
Earth Resources Technology Satellite (ERTS)  9:15, 12:1, 12:4-7, 12:9, 12:56-57  see also LANDSAT
Earth Science exhibit—modernization of current exhibit  9:16
Earth’s Treasures exhibit  9:17
East, Ben  16:5, 16:12, 16:24
  --Artic trip  16:22
  --Hudson Bay trip  16:22
East and West Association  16:5
Echo Lake  12:3, 12:28, 13:59
Edison House  13:34, 14:7-10, 15:4, 15:18, 15:24, 15:30, 16:1, 16:7, 16:15, 16:35
  --Beresford tea set  17:43
Edison Foundation  10:31
Edsall, Bruce  16:11
Edsel Ford Estate Lake  12:28, 13:64
Education staff correspondence 10:25
Educational programs 10:15-87, 15:3, 17:23 see also Science education
   --funding for 10:31-41
Edu-Mentor program 10:24
Edwards property 8:30
Ehrmann, Martin 16:6
Eichstedt and Griissim Assoc.—landscaping 16:7
Elementary school programs 10:26
Ellis, Clark—sculpture placement 15:9
Engler, Governor John 16:49
Environmental issues
   --Recycling 6:3
   --Waste management 6:3
Environmental Task Force 6:3
Equipment
   --computers 7:39
   --expenditures and forecasts 7:40
   --inventories 7:40-41
   --lease from Space Defense Corp. 7:42
Eschman, Don—reprint library 13:23
Eskimo Art, Inc. 16:6, 16:40, 17:8, 17:22
Eskimo exhibit/collection 9:18, 17:17
Ethics and conduct code 8:16
Events
   --Autumn Fest 7:6
   --CIS 10th Anniversary celebration 7:7
   --Danish Dinner 7:8
   --Fun Run 7:9
   --Robert T. Hatt's retirement dinner 7:12
   --Maple Syrup Festival 7:10
   --Robert R. McMath Planetarium dedication 7:11
   --Miscellaneous 7:5
   --Smithsonian at Cranbrook 7:13
   --Step Out for Science 7:14
Ex-Cell-O Corporation 16:7
Exhibit brochures 9:9
Exhibit cases 15:1, 15:47, 16:2, 16:39
Exhibit guidebooks 9:39-45, 9:65
Exhibit planning
   --budget 9:19
   --collection planning 9:20
   --Exhibit Development Team (EDT) 9:21-24, 14:31
   --Exhibit Development Team Extension Committee (EDTEC) 9:10, 9:17, 9:37, 9:54
   --exhibit evaluation 9:25
   --existing exhibit analysis 9:26
--exploratorium 9:27
--focus groups 9:28
--goals & objectives 9:30
--guidelines 9:31
--master plan 9:32
--models 16:22
--San Diego Museum of Natural History 9:67
--schedule 9:33
--schematics design phase 9:34
--work groups 9:35
Exhibit planning and preservation 9:36, 15:49
Exploring the Universe exhibit 9:37

Faculty housing 17:9
  --Barden House 8:27, 15:55, 17:34
  --Faculty Row 15:55
Fair Employment Practices Act 15:61
Fallout shelter 17:26
Farwell, Olive 16:22
Farwell, Oliver 16:8
Farwell Library 16:8
Faxon, Senator Jack 16:49
Fecker telescope 9:61
Fern collection—Boston University 16:37
Ferns of Michigan 16:29
Ferry, Dexter M., Jr. 2:47, 15:24, 15:51, 15:64
Ferry, Hawkins 2:47
Ferry Foundation 2:47, 15:49, 15:61
Field Museum of Natural History [Chicago] 16:10, 16:22
Field trips 10:29-30
  --Antarctic field trip 17:39
Field work—CIS Director 15:21, 15:40
  --Hatt, Belgian Congo 17:8
  --Hatt, Iraq 16:23
  --Hatt, proposed field work 16:24
  --Hatt, Yucatan 15:42, 16:22
Film projector 16:6
Filmmakers, Inc. 16:37
Fisher, Harvey I. 16:8
Fisher, Otto O.—Sir William Herschel manuscripts 16:10
Fletcher, Margaret 15:32
Flood, Aubrey C. and Grace H. 8:31-33, 8:40, 15:32, 16:8
  --Audubon prints 16:11
Flood Nature Chalet 8:31-33 see also Cranbrook Nature Sanctuary
Floor plans 7:43
Flynn, David S.
  --memorial fund 16:11
  --Nature Center trail 15:33
  --scholarship fund 10:74
Forbes, John Ripley 16:8
Ford, James Bacon 15:64, 16:10
Ford Nature Center see Nature Orientation Center
Ford, William D. 17:29
Forest Lake 12:10-19
Forward planning 2:38, 2:39
Fossil leaves 17:26
Foucault pendulum 9:38, 15:39
Foucault program 15:33
Founders Day 15:50
Founders Medal 15:30, 17:34
Founders Memorial 15:59
Fowler, James 11:75
Fox, Denis 12:15
Fox, James W. 16:11
Fox, Virginia Beresford 17:44
Fredericks, Marshall 15:33, 16:8, 16:10
  --bas-relief plaque of GGB and ESB 16:12
  --bench 16:39
  --Mary Soper Pope award 15:59, 17:11
Freres, Sac—amber 16:9
Frey, Donald N. 16:10
Friedrich, Paul 15:53
Friends of the Nature Sanctuary 8:42
Fuertes exhibition 15:7
Fuller, Arthur B. 15:49, 16:8-9, 16:23
Fulling, Edmund H. 6:29, 17:11
Fun Run 7:9
Fundraising 2:12, 2:15, 2:21, 7:15-26, 15:24, 15:56
  --Academy of Art 15:8
  --Corporate contributions 2:12, 2:21
  --Lasers and Ice 7:19
  --Lighter Than Air 7:20
  --Orchids and Ice 7:21
  --Rainbows and Ice 7:22
  --Silver and Ice 7:23
  --Stars and Ice 7:24
  --Summer Spectacular 7:16
  --Treasures and Ice 7:25
  --Winterscape 7:26
Galloway, J.J. 16:12
Gamble, Stan—archaeological collection 16:14
General Electric Foundation 10:32
General Electric Research Laboratory 16:12
General Motors Corporation 7:42, 10:9, 16:46
General Motors exhibit—Skillman Wing 16:13
General Motors Research Laboratories 15:64, 16:13
George, Edwin O. 16:15
George, Edwin S. 16:26
   --correspondence 16:16
   --Edwin S. George Foundation 15:49
   --Edwin S. George Publication Fund 15:64
   --Edwin S. George Reserve—botanical survey 16:16
   --*A Preliminary Study of a Program for the Development of Cranbrook Institute of Science* 16:16
Giffels-Webster Engineers 8:43
Gift shop 6:5
Gilpin, Laura 16:22
Gingerich, Philip 10:84
Globe, geo-physical 15:32
Goals and objectives--administrative 6:6-10
Goddard, Archibald N.
   --correspondence 16:17
   --Goddard estate—proposals for use 17:41
   --Goddard Memorial 16:17
   --*Some Thoughts Regarding the Future of Cranbrook Institute of Science* 16:17
Goddard, Eloise—flower paintings by Allice Goddard West 16:17
Goddard and Goddard Co. 16:17
Goddard, Mary G. 16:17
Goeldi, James 16:12
Good, Dave 17:38
Goodale, Marion 16:36
Goodall, Jane 15:32, 16:14
Goodenough, Daniel 17:18
Grand Rapids Press 15:26
Grand Rapids [MI] Public Museum 17:39
Grand Truck Western Railroad Company—glacial boulder 16:22
Great Depression era 15:47
   --Works Progress Administration 16:22, 16:39
Green Family Foundation 16:14
Green, Mrs. Merle 16:13
Green Sulphur bacterium 12:30
Greenhouse—CIS 16:42
Greenway, Charles M. 16:12, 16:26
Group visits (schools) 10:71
Guard station, Academy Way 15:53
Guatemala 15:42
Guest, Bud—*Time Traveler* radio show 16:13, 17:43
Guy, Michael *Cranbrook Institute of Science* 6:14

Hafstad, Dr. Lawrence R. 16:19-20
Hagenah, Dale J. 11:9, 16:19-20
Halgrim, Robert C.—Edison House 16:19
Hall, Dr. Marion T. 16:21, 16:39
Hall of Light and Color 9:46
Halley’s Comet 9:47
Hamtramck [MI] 16:18
Hamtramck Public Schools 16:19, 16:24
Handicap access 7:46
Hanes, Florence N. 16:20
Harding, James 11:72
Hardware of Mathematics exhibit 9:48
Harpoon 16:12
Harris, William P. 16:18-19
Hart, Phillip 17:29
Harvard University 16:18
Hatt, Robert T. 12:20, 16:3, 16:47
   --correspondence 16:22-24
   --Dream Committee (1939) 6:4
   --proposal for centralization of Cranbrook, 1946 17:42
   --Retirement dinner/retirement 7:12, 16:24
   --speech, *Experiences with a Museum Sales Desk* 16:22
Haven Hill 13:60
Hawaiian collection 15:59
Hawaiian exhibit 17:7
Hawaiian Historical Society 16:19
Hawaiian tree shells 16:37
Health hazards 7:47
Hearing and visually impaired—educational programs for 10:44
Heart Lake 12:8
Hebert, James 8:36-37
Hellmuth, Obata & Kassabaum (HOK) 2:32, 6:78, 9:21, 9:34, 14:20-26, 15:22, 18:1
Henry Ford Museum 16:9
Herbariums 15:45, 16:19
   --Billington Herbarium 16:22, 17:1
   --Farwell Herbarium 15:27, 15:41, 15:48, 16:8, 16:10, 16:22, 16:43
   --University of Michigan Herbarium 16:43
Illinois State Museum 16:27
Inman, William U. 16:27
Institutional philosophy see Mission statement
International Council of Museums 17:27
Internships for students 10:45
Interstate Alarm Systems, Inc. 16:28
Inua: Spirit World of the Bering Sea Eskimo exhibit 9:50
Inventory—collection of scientific instruments made before 1900 7:43
Island Lake 12:10-19
Isle Royale National Park 16:27
It’s All in Your Head exhibit 9:51

Jacobowitz, Ellen 15:23, 16:31
Janus 2 and 3 14:31
Japanese artifacts theft 7:60, 16:46
Jaques, Francis L.—bird paintings 16:29, 17:39-40
Jeffries, Paul 15:35
Jensen painting, gift 16:24
Jeryan, Chris 13:26
Johnson Associates, Inc. 11:4
Johnson, William J. Associates, Inc. 16:30
Johnstone, Arthur—CIS volunteer 2:54, 16:30, 17:41
Jordan, Chuck 16:29
Joslyn Art Museum 16:29
Junior College proposal 16:32
Junior League, Birmingham 16:29

Kahn, Matt—illustrations 11:10
Kalamazoo Nature Center 15:17
Kapp, William Edward 2:14, 7:31-32, 7:36-37, 15:37, 16:34-35
Kathmandu (Nepal)—published works, Robert West 11:35, 11:37
Katz, Herbert and Marjorie 15:44
Keck, David Daniels 6:24, 17:11
Kellogg Foundation 10:34-35
Kelly, Neil T. 15:33
Kelly, William (CIS Governor & Univ. of Michigan VP) 10:84
Kent, Rockwell 16:33
Kettering Foundation 15:37, 16:34
Kidder, A.V.—bone identification 16:33
Kiendl, Arthur 16:35
King Mahendra Trust for Nature Conservation 11:28
Kingswood Lake 12:26, 15:42 see also Booth Lake and Cranbrook Lake
Kingswood School 16:36
--biology course 15:24
--membership for students 16:36
Kinnear Manufacturing Co. 16:33-34
Kirkpatrick, Gertrude B. 16:33
*Kirtland’s Warbler: The Natural History of an Indangered Species* 17:15
Kleckner, Keith R. 6:13
Knife, Fork, and Spoon exhibit 17:33
Knight Foundation 10:36
Knapp, Frank 12:27, 12:34, 16:33
Koelz, Dr. Walter 16:33
--Koelz exhibition 16:2
Kraft, James L. 16:33
Kresge Foundation 16:34
Kucher, Andrew A. 16:35

Lab rats from Africa 16:19
Laboratory equipment 15:45, 16:13, 16:22 (gift), 16:33
Lacy, Mary-Louise 16:37
Lake Angelus 12:15-16, 12:21-22
Lake Angelus Observatory 16:2
Lake Management Symposium 12:23
Lake Superior State College 10:47
LANDSAT 13:1
Land description, CIS 2:53
Landscaping 17:38
--Skillman Wing 7:38
Lapidary machine 16:19
Large Lake Research Station (LLRS) 12:51-57, 13:2-3, 13:16
Lasera 9:52-53
Laserium 15:34
Lasers and Ice 7:19
Lawrence Technological University
--Master of Science proposal 10:48
Leakey, Dr. Mary 15:5
Leakey, Richard 15:33
Leakey Foundation 15:32
--*On the Track of Man*, film 17:15
Lectures 10:49, 10:80, 17:39
Leelanau County 11:14
Leggett, R.E. Company 16:37
Leitz microscope 17:18
Leopold, Nathan 15:31
--correspondence 16:38
Lerchen, William G. 16:37
Levin, Carl 17:29
Library
  --committee meeting minutes 8:20
  --designation as Government Records depository 17:26
  --expansion proposal 7:62
  --new books list (1989) 13:22
  --pamphlet file collection (1976) 13:22
  --rare books 13:24
  --shelving 15:58
Life Science exhibits 15:47
Lighter Than Air 7:20
Limnological program progress reports 12:26
Living World exhibit 9:54, 17:39
Loan policies—exhibits 9:20
Loaned exhibits 10:6
Logo design 6:11
Long range planning 15:28, 15:56, 17:24
Lotus Gallery 7:60
Lougee, Laura (Mrs. Arthur) 16:37
Love, Josephine Harreld 2:22, 10:86
Lowe, Earl 16:37, 17:15
Lower Long Lake 12:10-19
Lunar rock 9:61A
Lutzeier wedding dress 15:59
Lyon Foundation 10:37

Macatawa Dunes 11:11
Mains, Edward 16:43
Maintenance
  --air conditioning 7:31-33, 7:48, 16:2
  --boiler 7:34, 7:48, 15:54, 16:37
  --building footage 7:35
  --construction correspondence 7:36
  --equipment inventories 7:40-41
  --equipment lease 7:42
  --floor plans 7:43
  --general 7:44-45
  --handicap access 7:46
  --health hazards 7:47
  --HVAC 7:48
  --Nagey Courtyard 7:49-50
  --painting 7:51
--parking/traffic flow 7:52-54
--penthouse 15:54
--reflecting pool 7:55
--roofing 7:56
--Skillman Wing 7:37-38
--storage space proposal 7:62
--TV antenna/satellite proposal 7:63
--utilities 8:2-3
--vehicles 8:4-5
Mammal collection 16:2
Man’s Past Revealed exhibit 10:18
Manufacturers National Bank of Detroit—investments 15:36
Manufacturers’ Appraisal Company 6:35, 6:37-41
Maple Syrup Festival 7:10
Marchand Brothers (Buffalo Museum of Natural History) 15:47, 16:39-41
Marchand, Paul 16:24
Market research—renovation & expansion project 14:32-34
Marshall, A.J. Company—dinnerware 16:39
Martin, Dan 11:3
  --correspondence 16:44-46
  --meeting agendas 16:44-46
  --meetings with Dennis Wint 16:44-45
Mary Soper Pope award 6:19-33, 15:3, 15:11, 15:48
  --correspondence regarding 17:11
Masks—ceremonial 16:33
Masks: Occult and Utilitarian exhibit 9:55
Master plan 15:20
  --exhibits 9:28, 9:32
Masters of the Night exhibit 9:56
Mathematics and Science Challenge Grant 10:62
Mathematics Emporium exhibit 9:57, 15:39
Mayan rubbings exhibition 16:13
McCoy, Kathy—CIS logo design 6:11
McCoy, Michael 15:10
McGregor Fund 16:53
McIlroy, Helen L. 15:54
McMath, Francis C. 16:52, 16:54
McMath, Robert 15:26, 16:2
  --correspondence 16:54
McMath-Hulbert Observatory 15:26, 16:54
  --addition 15:24-25
  --dedication 7:11
  --official naming 15:51, 17:14
  --speculum metal reflector 15:40
Medallic Art Company 17:11
Meen, V.B. 16:39
Membership 2:16, 2:17, 2:18, 2:19, 7:27-29, 15:53
--Members Night, 1950 16:22
Menninger Foundation 16:24, 16:41
Mentoring programs 10:24
Merker, Dr. Harvey E. 16:39-40
Merrill, Robert Hall 16:23, 16:40
Meteorite specimens 16:10, 16:12
Metropolitan Detroit Science Club 16:40
Mexico
--Instituto de Biologia 16:47
Michaels Art Bronze Company 16:39
Michalski, Charles 16:23, 16:40
Michigan Cultural Commission 16:24, 16:40
Michigan Department of Conservation 16:48
Michigan Department of Natural Resources
--contract number SDPMA-82-A 11:24
--contract number SDPMA-83-A 11:24
Michigan Education Seminars 10:50
Michigan Mineralogical Society 16:39-40, 16:42
Michigan Museum Association (MMA) 10:56
Michigan Nature Association 15:60
Michigan Science Museum Collaborative 10:22, 10:51-55, 10:78A
Michigan Sesquicentennial exhibit 9:58
Michigan, State of 16:49
Michigan State University 10:56, 13:17, 16:18, 16:33, 16:50
Michigan Technological University 9:15
Michigan, University of 15:17, 15:26-27, 16:51
--museums 10:84
--professional relationship with CIS 16:2, 16:39
Michigan Wildlife Art Awards 10:57
Michigan Writer’s Project 16:22
Milles, Carl 15:32
Milliman, Clare E. 16:39
16:40, 16:42, 17:1, 17:10, 17:16-17, 17:21, 17:31, 17:34, 17:36, 17:43 see also
Rowland Collection and History (CIS)
--lighting for the exhibit cases 16:1
--statistics 17:22
Mineral Hall 9:59
--air conditioning 16:41, 16:53
Mineralogical laboratory 15:36-37
Mission statement 6:12, 6:13
Mitchell, Wallace 16:39
Mize, Ralph 16:45
Monnier, Lillian  16:40
Monroe Harbor—EPA project #810232  12:51-55
Montoya, Joseph M.  17:29
Moore, Sherman  16:23
Mortenson, Helen  17:40
Mott, Charles S.  16:42
Motz, Dr. LaMoine L.  10:62
Muench, Dr. Nils  10:31
Mulford, John W.  16:41
Mummy  15:46
*Museum Adventures*  15:44
Museum of the American Indian  16:3, 16:39
Museum Council of Metropolitan Detroit  15:59
Museum survey  16:35

Nagey, David A.  15:33
Nagey Courtyard  7:49-50, 15:33
Nash-Kelvinator Corporation—automobile loan  17:1
National Bank of Detroit  17:2
National Endowment for the Humanities—Hawaii exhibit  15:33
National Register of Historic Places  14:35
National Research Council  17:3
National Science and Technology Week  10:58
Native American costume style show  15:59
Native American year record—loan  16:34
Nature Orientation Center  14:36
   --dedication  9:60
   --nature walk  10:59
Nature Sanctuary  *see* Cranbrook Nature Sanctuary
Neatby, Kenneth  6:28, 17:11
Nepalese alter piece  16:24
New England Institute for Medical Research  15:16
New Institute Committee  8:21, 14:37-39
New York Botanical Garden  15:14
Newcomb, Cyrenius A.
   --boulder collection  17:1
   --mineral list  2:54
   --Newcomb Memorial Fund  17:4
Newcomb Lake  13:65-68
Newcomb, W.W. collection  16:23
   --manuscripts  11:10, 11:36, 11:43, 11:73
   --published works  12:30, 12:44, 12:46
Neyer, Tiseo & Hindo, Ltd.—soil investigation  14:57
   --correspondence 17:5
Northern Michigan College [University] 16:54
Noyes, Jessie Smith, Foundation 16:46

Oakland Community College 10:61
Oakland County Public Schools 10:62
Oakland Education Collaborative 10:24
Oakland Mentorship program 10:24
Oakland University 10:63, 17:6, 17:38
Observations on Electricity by Benjamin Franklin 15:30
Observatory 15:26, 15:57, 16:26
   --repair and maintenance 9:61
Office equipment 15:45
Oliver, James L.  17:6
Opal inventory 16:12
Orange Lake 12:24, 12:28, 13:69-71
Orchard Lake 12:25, 12:28, 13:72
Orchard Lake property see Cranbrook Nature Sanctuary
Orchids and Ice 7:21
Orchids of the Western Great Lakes 15:45
Organizational charts—personnel 8:22
Osborn, Chase S. 17:6
Out of This World exhibit 9:61A
Oxbow Road 13:61, 13:73

Pallasmaa, Juhani 14:2
Panamanian pottery 17:23
Parents Advisory Council 7:30
Park Plastic Company—Drinkwine lawsuit 16:4
Parking/traffic flow 7:52-54
Parsons, Professor Willard 17:43-44
Patterson, Joseph 17:10
Payne, Eugene H. 17:8
Peabody Museum 17:18
Penfield, Charlotte 13:27
Perrin, Lillian 15:14
Personnel
   --Department Head meeting minutes 8:7-11
   --Department Head retreats 8:12-13
   --Education Committee meeting minutes 8:15
   --ethics and conduct code 8:16
--Executive Committee meeting minutes 8:17
--honorary appointments 8:18
--job descriptions 8:19
--Library Committee meeting minutes 8:20
--New Institute Committee meeting minutes 8:21
--organizational charts 8:22
--staff lists 8:23
--staff meeting minutes 8:24
--volunteers & docents 8:25-26
Peterson, Donald 17:10
Peruvian collection 16:23, 16:29
--textiles 16:37
Pesticide spraying 15:54, 17:44
Peterson, Roger Tory 15:6
Pfeiffer, Agatha I. 17:10
Phase I—renovation & expansion project 14:42
Philippines, University of the 15:27, 17:7
Philippines—WWII, Japanese occupation 17:17
Photographic equipment 16:41
Photography classes 10:64
Physics classes 10:65
Physics Hall 9:62
--Cohen study 9:63
--collection 15:61, 16:13
--exhibit surveys 9:64
Physics Olympics 10:66
Planetarium see Spitz Planetarium or McMath Planetarium
Plants and the American Indian traveling exhibit
Pollution (lake) 12:11-14, 12:21-22, 12:49
Polynesian dancers 16:5
Pond (CIS) 15:33
Pontiac Area Urban League 10:67
Pontiac, MI—archaeological dig 17:14
Pontiac Public Schools 10:39-40, 10:68
--high school, mineral collection 17:7
Ponting Fund (Herbert and Elsa) 17:9
Pope, Gustavus D., Jr. 16:24, 17:7, 17:9, 17:11
Pope, Gustavus D., Sr. 15:29, 17:11
--memorial fund 15:54
--sportsmans library 15:54
Power, Eugene B. 16:6, 17:8
Power and Heat Engineering Company 17:7
Powers of Ten—Charles Eames film 16:7
Pre-Columbian artifacts 16:11, 16:18, 16:23
Pre-Incaic artifacts 16:40
Preschool programs 10:69
Prescott, G. W.  (note: correspondents in this collection address Mr. Prescott at various times as G.W. Prescott, J.W. Prescott, George W. Prescott. It is the same man.) 15:48, 16:34, 17:12
   --Algae of the Western Great Lakes Area  17:12
President’s Award for Excellence  6:34
Price Waterhouse—financial statements  6:55, 6:62, 6:66-68
Prior, Dan  17:39
Properties
   --Barden house  8:27, 17:34, 17:42
   --Apple Island  8:28
   --Beresford property (411 Lone Pine Rd)  8:29
   --Edwards property, Oxford, MI  8:30
   --Grace H. Flood Nature Chalet  8:31-33’
   --Beresford farm (Metamora, MI)  8:34-37
   --Schjolin property (127 Stoneybrook Lane)  8:38
   --Ward property (Orchard Lake)  8:39-43  see also Cranbrook Nature Sanctuary
Proxmire, William  17:29
Public relations  2:16, 2:17, 2:18, 2:19
Public roads vs. non-public roads  16:45
Publication Committee policy  15:34
Publications  17:32
   --catalogs and publication lists  8:44
   --editor  15:38
   --history  8:45
   --instructions to authors  8:46
   --meeting minutes  8:47
   --quarterly reports  8:48
Purvis & Foster, Inc.—boiler  7:34

Quack, Douglas  17:13
Quarterly meeting minutes (Board of Governors/Trustees) 3:1-34, 4:1-25, 5:1-7
Quarton Lake  15:54, 17:23
Questar telescope  17:35

Races of Mankind exhibit  17:1, 17:14
Rachel McMasters Miller Hunt Botanical Library  15:43
Racial discrimination 17:26
Rainbows and Ice  7:22
Rattlesnake  17:15
   --donation of  15:19
Redding, Richard—statement regarding renovation & expansion plans  14:58
Rediscovering our Great Lakes program  10:70
Redstone, Louis G. Associates, Inc.  17:15
Redwood tree sample  17:25
Reflecting pool 7:55
Reiber, Edwin W.—exhibit models 15:49
--Beresford farm (Metamora, MI) 8:34-37
--Beresford property (411 Lone Pine Rd.) 8:29
--New Institute committee 8:21, 14:37-39
--Ward property (Orchard Lake) 8:39-43

Renovation & Expansion News & Views—newsletter 14:55

Research
- entomology 15:47
--staff 16:19

Research Associates
--anthropology 11:6-7
--botany 11:16-18, 11:20
--geology, mineralogy, paleontology 11:62-68
--zoology 11:75

Research divisions
--botany, origination papers 11:15

Research grants
--Public Health Service M-2050 11:71
--Public Health Service M-1650 11:71

Research proposals
--bacterial contamination (C-5148) 12:1
--ecological impact study 12:5
--eutrophication of inland lakes 12:4
--leptopel proposal to Federal Water Quality Administration 12:15

Research reports
--anthropology 11:8
--botany 11:19
--director 11:27
--zoology 11:70, 11:76

Research summaries 11:5
Revegetation study, 1934 16:2
Reynolds, Margaret 13:20
Reynolds, Perry J. 17:14
Riegle, Donald W. 17:29
Ries, Don 16:2
Roof repairs and maintenance 14:56
Roth, Kathleen
--correspondence 17:15
--President’s Award for Excellence 6:34
Rowland, Levi P.
--correspondence 17:16
Saarinen, Eliel

--architectural drawing, CIS, 1936  15:8, 15:10
--funeral  16:22
Saarinen House—furniture  15:10
Saarinen Memorial Exhibition  15:7
Saginaw Bay (EPA project #R802685)  12:56-59, 13:1-3
Saginaw Bay (EPA project #R804442)  13:1-3
San Diego Museum of Natural History  9:67
Sandoe, Robert  15:39, 15:55
Sanilac petroglyphs  15:17, 16:12
Satellite tower proposal  7:63
Sax, Hally Jolivette  6:31, 17:11
Sax, Karl  6:31, 16:24, 17:11, 17:18
Schaefer, Martha  2:23
Schjolin property
  --Maja Schjolin Gardens/Schjolin Plant Conservation Garden  8:38, 11:26
  --Schjolin Trust  8:38
School visits  10:71
Science 4 program  10:72
Science and Math Newsletter  10:60
Science Club  10:73
Science Collection exhibit  15:8
Science education funding  15:21, 16:7, 16:49
Science Explorer Camp  10:74
Science Hands-On!  10:75
Science is Everywhere  10:76
Science on the Move  10:41, 10:51-55
Science Museum (television show)  10:77
Science Museum (Center) Task Force  10:51-55
Science Theater exhibit  9:68
Security issues  7:57, 7:60-61
  --Japanese art theft  7:60
Security system  15:19
Sederburg, William A.  16:49
Seeding-on experiments  12:39, 13:36, 13:53-54
Sendther, Michael  17:17
Senior citizen programs  10:78
Sepeshy, Zoltan  15:8, 15:32, 16:7, 17:44
Serotkin, Senator David  16:49
Sfire, Robert R. and Associates, Inc.  8:35
Shape of Mathematics exhibit  9:69
C.W. Shaver & Co.—feasibility study 14:14
Shell collection 9:69A, 17:17
Shepard, Douglas 12:17
Shoshani, Jeheskel (Hezy) 11:62-68
Shurtleff collection—Indian quill boxes 15:46
Shurtleff, Mary 17:20, 17:41
Silver and Ice 7:23
Sinclair dinosaur 15:64
Skillman Foundation 17:18-19
  --Up with Science exhibit 10:8
  --educational funding 10:39-41
Skillman Wing 15:17, 15:19, 15:54, 16:35, 17:18-19
  --air conditioning contracts & specs 7:32
  --construction 7:37-38
  --landscaping 16:7
Skramstad, Hal 15:21
Slade, Roy 15:7
  --manuscripts 12:43
Slawson, Chester 17:21
Smith, Wilber and Associates, Inc. 7:52
Smithsonian at Cranbrook 7:13
Smithsonian Institution 15:52
  --correspondence 17:22
  --loans from 17:22
  --regional event series 17:22
  --traveling exhibition service 17:22
Society for Pennsylvania Archaeology 17:8
Society of Vertebrate Paleontology (SVP) 11:51-52
Sogdon Lake 13:93-99
Soil investigation—renovation & expansion project 14:57
Solar Energy exhibit 9:70
Solar system display 15:45
Space/Defense Corporation 7:42, 15:24, 15:61, 15:64, 16:13, 16:24, 17:18, 17:43-44 see also Comar Corporation
Spangler, James and Patricia 8:36-37
Speakeasy: Communicating in the ‘80s exhibit 9:71, 15:46
Spencer Lens Company 17:17
Spiders! exhibit 9:72, 10:1
Spilhaus Space Clock 16:7
Spitz Laboratories, Inc. 17:17
Spitz Planetarium--CIS 15:30, 15:37, 16:23, 16:34, 16:53 see also McMath Planetarium
Spitz projector 17:17
Spoehr, Jack 17:17
Sport exhibit  10:2
Stabler, L. Brook  15:55
Stackpole, Stephen M.  17:17-18, 17:20
Staff
   --lists  8:23
   --meeting minutes  8:24
   --memos (work week reduced)  16:22
Stalker & Boos, Inc., Appraisers  6:36, 17:19
Stanley, George  16:39
Starlab  10:78A
Stars and Ice  7:24
Statement of purpose  see Mission statement
STEAM grant  10:32
Stearns, Frederick collection—Hall of Man  15:59
Steere, William Campbell  6:33, 17:11
Steering committee  2:15
Stegosaurus  16:30, 17:39
   --restoration  15:34
Step Out for Science  7:14
Stevens, William O.  15:40
Stoll, Albert  17:33
Stories in Hair and Fur exhibit  10:3, 16:19, 17:22
Stoutamire, Warren  2:41
Strategic position statement  see Mission statement
Stroh Brewery Foundation  10:72
Stroud, Joe—resignation from Board of Governors  8:42
Structures exhibit  10:4
Struthiomimus (ostrich dinosaur)  15:64
Subcommittee on Natural Resources, Agricultural Research and Energy  13:12
Suitcase exhibits  10:6
Summer Science Camp  10:78
Summer Spectacular  7:16
Summit Place Mall Excavation  11:68
Sunday Brunch Lecture Series  10:80
Sundial  15:61
Surface of the Sun exhibit  10:5
Survival training campout  17:5
Suter, Norman S. & Co.—air conditioning  7:33
Sutton, George  17:17
Swainson, Governor John B.  16:24
Swans  15:54
Swanson, J. Robert F.  17:17
Swedish royal family  15:11
Tamarack Way  15:30-31
Tamblin and Brown, Inc.  17:24
Taubman property purchase  7:53
Tax exempt status  2:54
Taxidermy  15:47, 16:22, 16:29
Teacher training proposal  10:81
Teeple Hill Lake  13:100
Telescope
  --CIS  16:26, 16:54
  --Cranbrook School  15:39
Television show (Science Museum)  10:77
Temperature—lake  12:40-44
Texaco  11:28-29
This Changing Earth  15:45
Thompson, Dr. John Eric S.  17:24
Thompson, Paul W.  11:14, 11:18, 11:20-21, 12:9
Thornlea Composarium  17:41
Tibet House Emporium  17:43
Tibetan collection  17:24
Time Traveler radio show  16:13, 17:43
TMP Associates  14:59
Tobin, Frank J.—taxidermist  16:22
Todd, Anne Ophelia  17:23
Toplis & Harding, Inc. Adjustors & Surveyors  7:60
Tordrup, Viggo—Tordrup Report  17:23
Tornell, Charles—exhibit models  17:23
Touche Ross study  14:5
Tracy, J. Edwards  16:22
Traveling exhibits  10:6, 16:50, 17:43
Treasures and Ice  7:25
Tree care  17:42
Tribhuvan University Natural History Museum  11:28-29
Triton Pool  see Academy of Art
Troy Historical Society  17:24
Truman, President Harry S.  16:54
Trustees/Board of Governors  15:26, 15:29
  --appointments to  15:28
  --committees  2:12-45
  --correspondence  15:28
  --directories  5:8
  --quarterly meeting minutes  3:1-34, 4:1-25, 5:1-7
  --role within CIS  15:23
Trust indentures  2:54
Turtle Lake  15:31
TV antenna/satellite proposal  7:63
20th Century Dinosaurs exhibit  10:7, 15:34
Tyrone farm  see Beresford farm (Metamora, MI)
Tyrrell, W. Bryant 17:25

U
dall, Stewart L. 17:26
Ultraviolet light—museum preservation issues 8:1
Uni-Science program 10:82
Unisys Corporation 10:82
United Foundation 15:64
United Nations Educational, Scientific and Cultural Organization (UNESCO) 17:27
United States Coast Guard 17:26
United States Department of the Interior 15:27
United States Department of State 17:28
United States Senate and Congress 17:29
University collaborative 10:83
University Publishers 16:24, 16:41, 16:53, 17:30
Up With Science exhibit and program 10:8, 10:85
Upkeep report 6:37-41

Vaillant, G.E. 16:23
Van Rennes, Eve
--computer education 10:18
Van Tyne, Josselyn 15:47, 16:2, 16:23, 17:32
Vanden Berghe, Dr. Louis 17:31
Vander Kloot family land 15:46
Vaughn School (Bloomfield Hills School) 16:23
Vehicles 8:4-5
Verdoorn, Frans 6:21, 17:11, 17:31
Viking Fund 17:31
Vision statement see Mission statement
Vivarium (animal house) 16:2
Voegelin, Dr. Karl 17:31
Vogt, William 6:23, 17:11
Volcano expedition—Portugal 16:40
Volcano Research Committee 16:24
Volunteers & docents 8:25-26
--President’s Volunteer Action Award 16:30
--Volunteer newsletter 8:26
Von Schoeler, Baron Walram V. 16:22-23

Waldon, Sidney D. 15:47
Walker Art Center 17:33
Wallace, Harry L.  17:33-34
Walnut Lake  12:38
Walpole, B.A.  16:23, 17:34
Wankel Engine exhibit  10:9, 15:19
Ward, Harold Lee  8:39-40, 15:29, 17:33
    --mound site  17:9
Ward property  see Cranbrook Nature Sanctuary
Wards Natural Science Establishment, Inc.  17:36
Warren Astronomical Society  17:15
Warrick, Frederick T.  17:35
Washington, D.C.  13:12
    --State of Michigan Office  13:13
Water quality analysis at CIS (tap water)  16:40
Water supply  17:17
Water Wonders exhibit  10:10
Waterman, Warren  17:33
Waterworks exhibit  10:11
Wayne State University  16:22
    --correspondence  17:37
    --graduate biology courses  16:2
    --professional relationship with CIS  17:37
    --Science Museum television show  10:77, 17:37
Weather balloon  16:42
Weather exhibit  10:12
Week at Cranbrook Institute of Science program  10:26, 15:31
Wells, James R.  11:22-26, 12:9, 12:15, 17:38
West, Joy  17:33
West, Robert M.  11:28-61, 15:21-23
    --conferences  11:58
    --conference proceedings, abstracts and book reviews  11:44
    --correspondence  17:39
    --GLC  11:59-60
    --manuscripts  11:57
    --published works  11:30-43
    --resume  17:39
    --SVP  11:61
Whales exhibit  10:13
What in the World…….? exhibit  10:13A
What Makes Music? exhibit  10:14
Wherry, Edgar T.  6:30, 17:11
White, Amelia Elizabeth  17:33
White, Elizabeth L.  15:33
White, Lee A.  17:33-34
Whittemore, W. Nelson  17:34
Williams, Governor G. Mennen  16:24
Williams, Norton  17:35
Williams, Thomas A. 17:35
Williams, Tod 15:22
Windsor, University of 17:35
Wing Lake 12:28
Winnebego [Indian] audio recordings 17:31
Wint, Dennis 15:20
  --Academy of Art 15:7
  --correspondence 17:40-41
  --director appointment announcement 17:15
  --files pertaining to renovation & expansion projects 14:60
  --meetings with Dan Martin 16:44-45
  --research 11:3, 13:11-15, 13:17
  --resume 17:41
Winterfest ice sculpture 15:11
Winterscape 7:26
Wittliff, Arthur 15:16, 15:30, 15:54
  --correspondence 17:42
Wittry, Warren
  --research 11:1, 12:5, 12:21-23, 12:49
Women’s educational programs 10:27
Wood, Elizabeth S. 16:2
Wood, James 15:47, 17:33
Wood turtle 11:72
Woodward Avenue access 7:53-54, 14:61, 15:21
Woodward, J. Daniel 17:34
Works Progress Administration 16:22, 16:39
World of Illusion exhibit 15:46
WTVS Channel 56 7:63, 15:61, 16:24
WWJ-TV Channel 4 10:77
WXYZ TV 10:12

Y
MCA 17:45
Yntema, Theodore 17:42, 17:45
Yorke, Roger 17:45
Yosemite Field School 16:52
Your Heritage House 10:86
Youth Alive 10:87
Yucatan field trip 15:42, 16:22

Z
Zoology exhibit 16:18
Zoology program 16:2, 16:35
Zuidema, Edward 16:5
Zuidema, Henry—gift of original edition of Darwin’s Origin of the Species 17:46
Index to Published Works and Manuscripts by Author

Bicknell, Alice
--The Occurrence of a Green Sulphur Bacterium in Sodon Lake. ms. (1949) 12:30

Bunt, Floyd Walter
--Pollen Analytic Study of Post-Glacial Sediments at Heart Lake. ms. (1948) 12:8

Cain, Stanley
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--Mollusks of Sodon Lake, Oakland County, Michigan. I. Stratigraphic Occurrence of Shells in Peat and Marl Sediments. ms. (1949) 12:32

--Natural Resources and Population Pressures. ms. (1949) 11:13


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Dice, Lee  

Newcombe, Curtis  
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--The Occurrence of Temperatures Unusual to American Lakes. ms. (1948) 12:43


--A Study of Plankton Analysis Technique with the Sedgeick-Rafter Cell. ms. (1947) 12:36


--Weights of the Commercial Meats and Other Body Parts of the Chesapeake Blue Crab. ms. (1949) 11:73

Slater, John  

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West, Robert

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--A Minute New Species of Dorcatherium (Tragulidae, Mammalia) from the Chinji Formation Near Daud Khel, Mianwali District, Pakistan. Contributions in Biology and Geology 33. (1980) 11:34

--Neogene Stratigraphy of the Daud Khel Area, Mianwali District, Pakistan. Contributions in Biology and Geology 23. (1979) 11:33


--A New Late Paleocene Phenacodont (mammalia : Condylarthra) from Western Colorado *Breviora Museum of Comparative Zoology* 403. (1973) 11:30


--Paleobiology and depositional setting of a Late Cretaceous vertebrate locality, Hell Creek Formation, McConne County, Montana. *Contributions to Geology* 18(2). (1980) 11:34


