

15/24/56

Liberal Arts and Sciences  
Genetics and Development Department  
Natural History Museum  
Iltis Mendelania Collection, 1841-1984

Item No	Held	Description	Box
		Transfer lists: a) "Gregor Mendel Museum, Fredericksburg, Virginia Shelf List" (original ribbon-copy typescript inventory of Iltis' Mendel Collection, with pencil, pen, and marker annotations presumably added by the Natural History Museum). b) handwritten list (8 pages) of original Mendel "relics" and other Mendel-related items as prepared by the Natural History Museum some time after the 1961 acquisition of the Mendel clock. c) spreadsheet inventory prepared by the University Archives on its acquisition of the collection in 2005	1
1		Mendel's birth place in Heinzendorf, Silesia [caption only]	1
2	✓	The parents consent for Mendel to be priest Photographic facsimile	1
3	✓	Mendel's sisters and his brother-in-law Photograph and caption	1
4	✓	Pedigree of Johann Gregor Mendel Display Board, Hugo Iltis and Jo Anne Campbell	5
5	✓	The Common Ancestors of Mendel and Mrs. Hugo Iltis	1
6	✓	Gregor Mendel's home country Display Board	5
7	✓	The monastery and the church in Altbrunn Photograph, negative, and caption	5
8	✓	The convent hall of the monastery, Brunn Photograph, negative, and caption	1
9	✓	Mendel's autobiography, Photograph of manuscript of last page	7
10	✓	Autobiography Photograph of third page	5
11	✓	Brunn, Spielberg and Franzensberg Photograph, negative, and caption	1
12	✓	Gregor Mendel, oil portrait by J.O. Flatter, London, Negative in Box 1	UAR 44
13	✓	Professor Portrait ("life size") Retouched photograph	7
14	✓	The "handsome" portrait Photographs and negative	5
15	✓	The members of the convent of the Augustines, Brunn 1862 Caption only. Fredericksburg 1950 checklist indicates "on exhibit."	1
16	✓	The "Fuchsia Portrait" Photographs, negative, and caption	1
17	✓	Mendel in 1847 Photograph and caption.	1

18	✓	Brünn Committee of Natural Science, 1862 Photograph and caption	1
19	missing	The “Distorted” Photo of Mendel in 1867 Caption only.	1
20	✓	Mendel and the faculty of the Realschule Photograph, copy of “original” See 171 for “original” print.	5
21	✓	The small prelate portrait, 1882 Photograph and negative	5
22	✓	The great prelate portrait Photographs and negative	5
23	✓	Mendel’s experimental garden Negative and caption	1
24	✓	First page of Mendel’s manuscript of “Versuche über Pflanzen- Hybriden” Photograph	5
25	✓	Carl Nägeli Photograph and caption	1
26	✓	Nägeli’s letter of reply to Mendel’s first letter, 1867 Photographic facsimile of a single page and caption.	1
27	✓	Mendel’s apiary Photograph	5
28	✓	Mendel’s Apiary Renovated, ca. 1940 Photograph, negative, and caption.	1
29	✓	Cage for bee crossing constructed by Mendel Photograph and caption.	1
30	✓	Mendel’s observations of the sun spots Photographic facsimile and caption.	1
31	✓	Mendel’s letter of protest regarding the tax bill Photographic facsimile, negative, and caption.	1
32	✓	Mendel’s telescope Photograph, negative, and caption.	1
33	✓	Mendel’s microscope Photograph and caption.	1
34	✓	Rudolph Jakob Camerarius 1665-1721 Photograph and caption.	1
35	✓	Cotton Mather, 1663-1728 Photograph and caption.	1
36	✓	Paul Dudley, 1675-1751 Photograph and caption.	1
37	✓	Thomas Andrew Knight, 1759-1838 Photograph and caption.	1
38	✓	Charles Naudin, 1815-1899 Photograph and caption.	1
39	✓	William Spillman, 1863-1931 Photograph, negative, and caption.	1

40	✓	Cotton Mather's letter to James Petiver, 1716, photostat presented to the Mendel Museum by Prof. Conway Zirkle of the University of Pennsylvania, December 22, 1939	1
41	missing	The pea flower	
42		Mendel's original experiment with the pea: Smooth x wrinkled, Caption and digital photograph taken 7 July 2005	1
43		The F <sub>2</sub> hybrid [caption only]	1
44		Mendel's original exp. with pea: Yellow x green [caption only]	1
45		Mendel's original exp. with pea: Colored seed coat x white [caption only]	1
46		Mendel's Original Experiments with the Pea. Exhibit display board prepared by Hugo Iltis, ca. 1943. Discarded July 2005. Digital photograph taken 7 July 2005. Digital photograph taken 7 July 2005	1
47	missing	Mendel's original exp. with pea: the difference in color of the unripe pod	
48	missing	Mendel's original exp. with pea: Axial and terminal inflorescence	
49	missing	Mendel's original exp. with pea: Tall x dwarf plants	
50	missing	Mendel's seven monohybrid crossings: survey	
51		Mendel's original exp. with pea: dihybrids: yellow smooth x green wrinkled [caption only]	1
52	✓	Explanation of Mendel's dihybrid crossing by his theory (Modern checker board method)	UAN 15-2
53	missing	Mendel's backcross experiments proving his theory	
54		Checker board showing Mendel's theory and its proof by the back-cross experiments with the pea [caption only]	1
55	✓	Fundamentals of Mendelism Display Board, Hugo Iltis and Wilma Johnston, 1947	7
56	✓	The Numerical Ratio and the Various Kinds of Gametes, Zygotes and Individuals in the F <sub>2</sub> Generation of Mendelian Crossing Display Board, Hugo Iltis and Ruth Snell, 1946	7
57	✓	Mendel's Pea Crossings I: Survey and Discussion Display Board, Hugo Iltis and Margery Vreins, 1946	7
58	✓	Mendel's pea crossing II	UAN 15-2
59	✓	The Reasons for Mendel's success Display Board, Hugo Iltis and Jo Hutton, 1947	7
60		Mendel's bean crossings and his discovery of the multiple factor	
61		Mendel's hawkweed crossings	
62	✓	The experimental garden in Brünn, 1938 Photograph, negative, and caption	1
63	✓	The Mendel Memorial in Brünn Photograph	5
64	✓	The Mendel Memorial, Brünn, Photograph and negative (8" x 10")	1
64	✓	Mendel Memorial in Brünn, oversize photograph	UAN 15-2

65	✓	Prof. Baur, Berlin, speaking on the occasion of the International Gregor Mendel Centennial in Brünn, Sept. 1922 Photographs and negative	5
66	✓	Gregor Mendel Plaque by Theodor Charlemont of Vienna, 1910 Framed plaster (?) plaque.	8
67	✓	Part of the Mendel Museum in the monastery Brünn Photograph	1
68	✓	“The New World Honors Mendel” Hand lettered and painted scroll presented to the American Genetics Society by the scientists of the New World at the Golden Jubilee meeting of the Genetics Society of America at Columbus, Ohio, September 12, 1950 [caption in Box 1]	7
69	✓	Carl W. Eichling, New Orleans, La., the only American who knew Mendel personally. Photograph, negative, and caption.	1
70	✓	Hugo de Vries Photograph and caption	1
71	✓	Carl Correns Photograph and caption.	1
72	✓	Erich Tschermak Photograph and caption.	1
73	✓	Original letter of August Weisman to Hugo Iltis (1906) Caption and transcription	1
74	✓	Original letters of Hugo de Vries (1911, 1922) of the Hortus Botanicus, Amsterdam	1
75	✓	Original letter of Carl Correns to Hugo Iltis (1907)	1
76	✓	Two original letters of Erich Tschermak to Hugo Iltis, Nov. 10, 1905 and July (?) 8, 1906	1
77	missing	The chromosome mechanism	
78	✓	Theodor Boveri Photograph and caption	1
79	✓	Oscar Hertwig Photograph	1
80	✓	August Weismann Photograph and caption	1
81	✓	Fertilization. Round-worm Ascaris (Th. Boveri) Display Board	5
82	✓	Mitosis. Consecutive stages of the division of a cell and its nucleus in the root of the onion. Display Board	5
83	✓	Mitosis in Animals and Plants Display Board	5
84	✓	Janssen’s Chiasmotypy Hypothesis Display Board, Hugo Iltis and Mary Ann Hellberg, 1951	7
85	✓	Cross-over Frequency and Gene Distance: The Mapping of the Genes Display Board, Hugo Iltis and Mary Ann Hellberg, 1951	7

86	missing	Inheritance and determination of sex in Drosophila	
87	missing	Sex linkage and sex determination in Drosophila	
88	missing	The story of the fruit-fly	
89	missing	Chromosome maps of drosophila melanogaster	
90	missing	Lethal genes. Cuénot's yellow mice. Exhibit display board prepared by Hugo Iltis, ca. 1943.	
91	✓	Interaction of genes. Cuénot's mice crossings (mouse pelts), Exhibit display board prepared by Hugo Iltis, 1946.	UAN 15-2
92		Lang's Snail Crossings. Exhibit display board prepared by Hugo Iltis, ca. 1943. Original discarded, July 2005. Digital photograph taken 7 July 2005	1
93	missing	Rattle snakes, color variation	
94	missing	Corn, its ancestors and its varieties	
95	missing	Pollination and fertilization of corn. The methods of corn crossing	
96	missing	The formation of Xenia	
97	missing	Corn, character and genes	
98	missing	Corn crossing. Monohybrid Aleuron color inheritance	
99	missing	Pericarp inheritance in corn	
100	missing	Dihybrid corn crossing	
101	missing	Corn crossing. Modified ratio. Two pairs of genes interacting	
102	missing	Linkage and crossing-over in corn	
103	missing	How hybrid corn is produced	
104	missing	Hybrid corn, double cross	
105	✓	Honor roll of corn, captioned portrait photographs, (2 folders)	1
106	missing	Chromosomes and genes in corn	
107	missing	The origin and ancestry of corn	
108	✓	The Increase in the Acreage Planted with Hybrid Corn in the USA During the Period of 1940 to 1946 Display Board, Hugo Iltis and Jo Alys Downs	5
109	missing	America grows corn	
110	missing	How hybrid chickens are produced	
111	✓	Four ways hybrid chickens are produced by Hy Line Poultry Farms	UAN 15-2
112	✓	Sex Cells and Chromosomes of Man: Sex determination by sex chromosomes Display Board, Hugo Iltis and Margery Vriens, 1947	67
113	✓	Boy or girl? The solved riddle of sex determination Display Board, Hugo Iltis and Ruth Snell, 1947	7
114	missing	Identical and fraternal twins	
115	✓	Multiple birth: Quadruplets and Quintuplets	UAN 12-10
116	missing	Fraternal and identical twins and how they originate	
117	missing	The three cases of inheritance of hemophilia	
118	missing	The ancestry of Queen Elizabeth of England and Philipp, Duke of Edinburgh	

119	missing	Hemophilia in the royal families of Europe	
120	✓	The Ptolemies, kings of Egypt	UAN 15-2
121	missing	Brachydactyly	
122	✓	Inheritance of missing incisors	UAN 12-10
123	✓	William Bateson Photograph and caption	2
124	✓	Charles Davenport Photograph and caption	2
125	✓	H. Nilsson-Ehle Photograph and caption	2
126	✓	The Limits of Eugenics. Display board with hand colored cartoon drawings by Theodor Heine	UAN 15-2
127	missing	Inheritance of Talent: Pedigree of the Darwin-Galton-Wedgewood families	
128	✓	Inheritance of political talent: The Roosevelt family	UAN 15-2
129	✓	Jean de Lamarck Photograph and caption	2
130	missing	Environmental modifications, not inheritable acquired characters	
131	✓	Charles Darwin Photograph (copy of # 132) and caption	2
132	✓	Charles Darwin, original photo (1878?) presented to Hugo Iltis by Leonard Darwin ca. 1939-40.	3
133	✓	Th. R. Malthus and Darwin's Selection Theory Display Board, Hugo Iltis and Anne Powell, 1952	7
134	missing	Evolution in domestication. The dog, ancestry and races	
135	✓	Sir Francis Galton Photograph and caption	2
136	missing	Francis Galton and his contributions to genetics and eugenics	
137	✓	The foundation of Biometry Display Board, Hugo Iltis and Jo Anne Campbell , 1950	7
138	✓	Wilhelm L. Johannsen Photograph	2
139	missing	Johannsen's field of beans	
140	✓	Two American scientists who won the Nobel Prize for their work in genetics: Thomas H. Morgan, Herman J. Muller	UAN 15-2
141	missing	The gene mutations in drosophila and their importance for evolution	
142	✓	A Gene Mutation Forms a New Species, fly Amaloptereix Maritima Eaton Display Board by Hugo Iltis and Jo Alys Downs, 1949	5
143	missing	The oldest known mutation	
144	missing	De Vries: the mutation theory	
145	missing	Bud mutation I	
146	✓	Bud mutation II Display Board by Hugo Iltis and Margaret Shropshire, 1948	5

147	missing	Crossing and evolution in the genus <i>Narcissus</i>	
148	missing	Heredity in snapdragons	
149	missing	Crossing and evolution	
150	missing	How natural hybrids originate	
151	missing	Mutation by tetraploidy	
152	missing	Graft-hybrids I	
153	✓	Graft-hybrids II Display Board by Hugo Iltis and Jo Alys Downs	5
154	✓	Mendel confirms the receipt of the questions for his examination in geology, 1850 Original Mendel manuscript and negative of manuscript	5
155	✓	Mendel acknowledges the receipt of the questions for his examination in physics, 1850 Original Mendel manuscript and negative of manuscript	5
156	✓	Record about Mendel's oral examination in physics, 1850 Original Mendel manuscript and negative of manuscript	5
157	✓	Certificate about Mendel's examination in geology by Professor Rudolph Kner in 1850 [original manuscript and photographic negatives and prints]	7
158	✓	Director Auspitz' proposal regarding the appointment of Gregor Mendel as teacher of science at the "Realschule" in Brunn [original manuscript and photographic negatives and prints]	7
159	✓	Mendel orders several varieties of pear trees, 1880 Original Mendel manuscript and photographs and negative of manuscript	5
159A	✓	Order for Pear trees, "sheet 2" Original Mendel manuscript and negative of manuscript	5
160	✓	Original drawing Mendel's for a trellis Original Mendel manuscript and photograph and negative of manuscript	5
161	✓	Eleven pear leaves with Mendel's handwriting, framed Photographic negative in Box 2	UAR 44
162	✓	Gregory Mendel, "Experiments in Hybridisation," with an introductory note by William Bateson, 26 <i>Journal of the Royal Horticultural Society</i> , 1901	2
163	✓	Gregor Mendel, "Recherches sur des hybrides végétaux," translated by A. Chappellier, in unidentified journal pages 372-419.	2
164	✓	Translation into Russian, 1935	2
165	✓	Gregor Mendel, "Bemerkungen zu den graphisch-tabellarischen Übersicht der meteorologischen Verhältnisse von Brunn," 1 <i>Verhandlungen des naturforschenden Vereines in Brunn</i> , 1862-63	2

166	✓	Gregor Mendel, “Über einige aus künstlicher Befruchtung gewonnenen Hieracium Bastarde,” and “Meteorologische Beobachtungen aus Mähren und Schelesien im Jahre 1869,” 8 <i>Verhandlungen des naturforschenden Vereines in Brünn</i> , 1869-70	2
167	✓	Gregor Mendel, “Ueber die Windhose am 13. October” 9 <i>Verhandlungen des naturforschenden Vereines in Brünn</i> , 1871	2
168	✓	“Versuche über Pflanzen-Hybriden von Gregor Mendel,” 4 <i>Verhandlungen des naturforschenden Vereines in Brünn</i> , 1865. Note: journal title page and first page of Mendel article only, bound into 23-24 <i>Transactions of the Kansas Academy of Science</i> , 1909-10, apparently for display purposes. Note: the ribbon copy of ca. 1950s typescript inventory of the collection and a handwritten list (see first folder in Box 1) describes item 168 as simply “‘Versuche über Pflanzen-Hybriden’ von Gregor Mendel” and carries felt-tip marginal marking suggesting the document was transferred to the Rare Book Room, but it is unclear whether the current Item 168 ( <i>Transactions of the Kansas Academy of Science</i> ) is what was transferred and later returned or whether it was used by the Natural History Museum as a surrogate.	2
169		Hugo Iltis, <i>Life of Mendel</i> [caption only]	2
170	✓	One of Mendel’s original notes given to Hugo Iltis by Father Dr. Clemens Janetschek, one of the closest of Mendel’s friends in the monastery. Appears to be list of page numbers. Original, negative and caption.	2
171	✓	Original photo: Mendel among the faculty of the Brünn Realschule, 1863. From the monastery. Original Mendel image and photographic copy and negative of image.	5
172	✓	Letter of Prof. Herbert Adolphus Miller of Oberlin College to Hugo Iltis regarding provenance of photo in item 171, June 2, 1922	2
173	✓	The “Deutsche Staats-Realschule”/German State Modern school/Brünn in 1860 showing the building as it looked when Mendel was teaching there from 1854 to 1868 Photograph, negative, and caption	2
174	✓	Original letter of August Weismann to Hugo Iltis, July 9, 1911	2
175	✓	Gregor Mendel, “Meteorologische Beobachtungen aus Mähren und Schelesien im Jahre 1863,” 2 <i>Verhandlungen des Naturforschenden Vereines in Brünn</i> , 1863-64	3
176	✓	Gregor Mendel, “Meteorologische Beobachtungen aus Mähren und Schelesien im Jahre 1864,” 3 <i>Verhandlungen des Naturforschenden Vereines in Brünn</i> , 1864-65	3
177	✓	Gregor Mendel, “Meteorologische Beobachtungen aus Mähren und Schelesien im Jahre 1863,” 5 <i>Verhandlungen des Naturforschenden Vereines in Brünn</i> , 1866-67	3



178	✓	vol. X of <i>Verhandlungen des Naturforschenden Vereines in Brunn</i> with “Table of Contents” of the volumes I to IX showing Gregor Mendel’s contributions to the journal	3
179	✓	vol. XI of <i>Verhandlungen des Naturforschenden Vereines in Brunn</i> for the year 1872: containing the request of the Academy of Sciences in Chicago for a second delivery of all the volumes of the preceeding years published by the Brünn Society	3
180	✓	Abraxas grossulatia, gift from Prof. Darlington of the John Innes Horticultural Institution, 1951. Box of specimens of moths transferred to the Illinois Natural History Survey, 30 June 2005 Transmittal letters and 2005 photograph only.	3
181	✓	Book-plate of Carl Correns	3
182	✓	<i>Genetics</i> Volume 35 (1950) “The Birth of Genetics,” includes publication in English translation of Gregor Mendel’s letter to Carl Nageli, 1866-1873 and articles by Hugo De Vries, C. G. Correns, and E. Tschermak on Mendel and genetics	3
183	✓ # assigned by UI Archives	Harrison Shull to Donald Hoffmeister and John Laughnan, accession correspondence for Mendel Clock, 1961. Clock is on display in University Archives Reference Room, (Room 19 Library)	3
184	✓ # assigned by UI Archives	Poster <i>Johann Gregor Mendel, 1822-1884 Leben-Werk-Wirkung, Gedächtnisaustellung Anlässucg der 100. Wiederkehr Seines Todestages</i> , Salzburg, Vienna, Graz, Klagenfurt, Innsbruck, 1984	7
185	✓ # assigned by UI Archives	Metal engraving plate, Thomas Hunt Morgan, <i>Genetics</i> , January 1947	3
186	✓# assigned by UI Archives	Metal engraving plate, H. S. Jennings, <i>Genetics</i>	5
187	✓ # assigned by UI Archives	Mary Washington College Mendel Museum Guest Book, 1948-56	3
188	✓ # assigned by UI Archives	<i>Genetics</i> Editorial Board, Galton and Mendel Memorial fund prospectus and certificate	3
189	✓ # assigned by UI Archives	Gregor Mendel Medallion, from Museum Moraviae, Brünn, to Museum of Natural History,	3
190	✓ # assigned by UI Archives	<i>Versuche über Pflanze-Hybriden</i> , facsimile of original Mendel’s manuscript, 2012, (17 leaves), donated October 30, 2012 by Michaela Jarkovská, Mendelovo Muzeum of Masrykova Univerzita, Brno, Czech Republic	5

**Box 4:****Natural History Museum Mendeliana Collection Resource Files**

Photocopies of Hugo Iltis correspondence and Iltis transcriptions of Mendel documents,  
1841, 1859, 1883-84, 1905-06, 1909, 1911-12, 1922-24, 1930-31, 1935, 1938

Hugo DeVries to Charles Zeleny, February 28, 1928

Lecture and Symposium Announcements, 1965, 1969, 1970

- Photographs of University of Illinois Natural History Museum Mendel Displays  
(negatives and contact sheets), ca. 1974
- Reprints and Articles Concerning Mendel,  
General, 1956, 1973-74  
*Folia Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis*,  
XIV (1973), XV (1974)
- G. Czihak, *Johann Gregor Mendel (1822-1884): Dokumentierte Biographie und Katalog zur Gedächtnisausstellung anlässlich des hundersten Todestages mit Facsimile seines Hauptwerkes: "Versuche über Pflanzenhybriden"*, (Salzburg, 1984)
- Donald F. Hoffmeister and Harry C. Hendriksen, "The Collection of Mendeliana at the University of Illinois at Urbana-Champaign," 44 *Acta Musei Moraviae* (1979) *Folia Mendeliana* 14, pp. 281-284.
- Vitezslav Orel, 1965, 1984
- Vitezslav Orel and Anna Matalová, eds., *Gregor Mendel and the Foundation of Genetics: Proceedings of the Symposium The Past Present and Future of Genetics Kupařovicem Czechoslovakia, August 26-28, 1982*, (Brünn: Mendelianum of the Moravian Museum, 1983).
- Josef Sajner, *Gregorii Mendel Autobiographia Iuvenilis*, (Brünn: Universitas Purkynian Brunensis, 1972), facsimile of manuscript and typeset transcription of Mendel's April 17, 1850 autobiographical statement for teaching license.
- George Harrison Shull, 1912, 1951  
*Folia Mendeliana Supplementum ad Acta Musei Moraviae, Scientiae Naturalis, Folia*  
issues, 1-13, 15-21, 1966-86

Box 5: Lignin-free flat box (17" x 21" x 3.5")

Items described in table above: 6-7, 9-10, 14, 20-22, 24, 27, 63, 65, 81-83, 108, 132, 142, 146, 153-56, 159, 159A, 160, 171, 186

Box 6: Lignin-free flat box (17" x 21" x 3.5")

University of Illinois Natural History Museum

Mendel Collection Display Boards-matted facsimile and photographic copies of  
photographs and original Mendel Documents

Box 7: Hollinger flat box (25" x 21" x 3")

Items described in table above: 4, 13, 55-57, 59, 68, 84-85, 112-113, 133, 137, 157-58, 184