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RS 13/5/13

Pammel, Louis Hermann (1862-1931)

Papers, 1856-1970

Descriptive summary

creator: Pammel, Louis Hermann (1862-1931)

title: Papers

dates: 1856 - 1970

extent: 38 linear feet (77 document boxes, 4 half-document boxes, 1 map case folder, and one archives tube)

collection number: RS 13/5/13

repository: University Archives, Special Collections Department, Iowa State University.

Administrative information

access: Open for research

publication rights: Consult Head, Special Collections Department

preferred citation: Louis Hermann Pammel Papers, RS 13/5/13, Special Collections Department, Iowa State University Library.

Biographical note

Louis H. Pammel (L.H.) was born in LaCrosse, Wisconsin in 1862. He graduated from the University of Wisconsin, being the first student to receive a Bachelor of Agriculture degree (1885) from that institution. He graduated with honors for his research of parasitic fungi, including downey mildew of millet. Pammel also received his M. S. (1889) in agriculture from the University of Wisconsin and his Ph. D. (1898) from Washington University. He obtained training under such distinguished professors as Dr. William Trelease, Professor in the Shaw School of Botany at Washington University; Dr. E. A. Birge, Professor of Zoology and a President of the University of Wisconsin; Dr. C. R. Van Hise, Professor of Chemistry and Mineralogy, also a University of Wisconsin President (1903-1918).

After graduating from the University of Wisconsin, L. H. Pammel became an assistant (1885) to Dr. W. G. Farlow of Harvard University, who was in charge of cryptogamic botany. Later, he became an assistant (1885-1887) in botany at the Shaw School of Botany, Washington University. For two summers, he investigated the cotton root rot in Texas (1888 and 1889).

In February 1889, Pammel came to Iowa State College (University) as Professor of Botany (1889-1929), a position made vacant by the resignation of Dr. Byron Halsted (1884-1888). In addition to teaching botany, he taught courses in Landscape Architecture (1889-1890). Pammel was also the Iowa State College Experiment Station Botanist (1889-1922). During Pammel's tenure, Iowa State became the first school in the United States to offer bacteriology courses to general students.

Pammel was also a well liked and respected by his students, many of which considered him a great influence in their lives. Among these students was George Washington Carver. In 1891, Carver became the first African American to enroll at Iowa State College of Agriculture and Mechanic Arts (Iowa State University). Pammel encouraged him to stay at Iowa State as a graduate student after he completed his bachelor's degree (1894). Over the next two years, as assistant botanist for the College Experiment Station, Carver quickly developed scientific skills in plant pathology and mycology, the branch of botany that deals with fungi. He published several articles on his work and gained national respect. Carver completed his master's degree (1896) and was invited by Booker T. Washington to join the faculty of Alabama's Tuskegee Institute. Pammel and Carver remained in close contact after Carver moved to Alabama.

Pammel conducted research in plant pathology and in weeds, which resulted in numerous publications, including *A Manual of Poisonous Plants* (1910), *Weeds of the Farm and Garden* (1911), and *The Weed Flora of Iowa* (1913, 1926). Other research

activities included the anatomy of seeds and plants of the legume family. In systematic botany, he was interested in the trees and other flora of the country, and he made extensive collections of plants, which he gave to the college. For the United States Forest Service, he made a study of grazing conditions in the Uintah Mountains, and did work on grasses of plains region for the U. S. Department of Agriculture. Many honors were conferred upon Dr. Pammel.

Pammel was a member of numerous professional and honor societies, including the Botanical Society of America, the Ecological Society of America, the American Society of Bacteriology, the St. Louis Academy of Science, the Biological Society of Washington and the Sierra Club. He was twice elected President of the Iowa Academy of Science; was vice president of Section G. Botany, of the American Association for the Advancement of Science (AAAS), and fellow of the AAAS. Pammel was a member of international societies such as Deutsche Bot. Gesellschaft, and the British Ecological Society. He also served as local president of Sigma Xi and was for many years national secretary of Phi Kappa Phi, as well as national president. In 1924, he was president of the National Association of Cosmopolitan Clubs and at one time was secretary of Gamma Sigma Delta. He was active in the creation of Iowa's state park law and served as the first president of the Iowa State Board of Conservation.

Pammel married Augusta Emmel of Chicago, Illinois in 1887 and they had six children, five daughters and one son. He died in 1931 on a transcontinental train traveling through Nevada.

Collection Description

The collection contains Pammel's speeches and publications, information regarding his research in botany, and documents relating to Iowa State College (University) and his personal life. The papers also contain correspondence with editors, other scientists, and faculty members and students of Iowa State, including George Washington Carver, J.C. Arthur, Charles E. Bessey, and Henry A. Wallace. In addition, the collection includes information regarding Pammel's work with State Parks and his involvement in numerous professional and honor societies such as the Iowa Academy of Science, Phi Kappa Phi, and Gamma Sigma Delta.

Collection is arranged into series:

Series 1, Correspondence with individuals, 1883-1970, contains correspondence with a variety of individuals including botanists and other scientists, students, and Iowa State College (University) faculty members. The series also includes correspondence with George Washington Carver; appendix 1 is an index of the Pammel/Carver letters.

Series 2, Correspondence with Internationals, 1875-1992, consists of correspondence with people in other countries.

Series 3, Professional Correspondence, 1883-1930, includes correspondence regarding Pammel's articles, speaking engagements, and professional opinions.

Series 4, Addresses and Publications, 1901-1970, contains articles written by and about Pammel; appendix 2 lists the articles written by Pammel.

Series 5, Iowa State College (University) Concerns, 1869-1930, consists of materials regarding various aspects of Iowa State College (University, including the Department of Botany, Herbarium, Graduate School, library, college hospital, memorial trees and markers, and the "Old Orchard". Also included are interviews and correspondence regarding the early years of the college and papers related to Iowa State's Semi-Centennial. In addition, the series also contains Pammel's lecture and research notes and letters of tribute received after his retirement.

Series 6, Campus Professional Interests, 1889-1930, contains information regarding Pammel's work with the United States Department of Agriculture, conservation, and Iowa's State Parks. Also included are correspondence with legislatures and governors.

Series 7, Off Campus Professional Interests, 1906-1928, consists of correspondence, proceedings, and reports regarding the Iowa Conservation Association and the State Board of Conservation.

Series 8, Organizations, 1888-1928, includes correspondence with various professional organizations, such as the Iowa Academy of Science, Phi Kappa Phi, and Gamma Sigma Delta.

Series 9, Personal Correspondence and Papers, 1882-1931, consists of Pammel's biographical information, including tributes, and personal correspondence, mostly regarding family matters.

Series 10, Scrapbooks, 1890-1930, contains scrapbooks regarding conservation, Iowa State College (University), botany, and Pammel's family members. The books contain mostly news clippings.

Organization

The collection is organized into ten series:

Series 1, Correspondence with Individuals, 1883-1970 (arranged alphabetically)

Series 2, Correspondence with Internationals, n. d. (arranged alphabetically)

Series 3, Professional Correspondence, 1883-1930 (arranged by subject, then chronologically)

Series 4, Addresses and Publications, 1901-1970 (arranged alphabetically)

Series 5, Iowa State College (University) Concerns, 1869-1930 (arranged alphabetically)

- Series 6, Professional Interests, 1889-1930** (arranged alphabetically)
Series 7, Off Campus Professional Interests, 1906-1928 (arranged alphabetically)
Series 8, Organizations, 1888-1928 (arranged by organization)
Series 9, Personal Correspondence and Papers, 1882-1931, n.d. (arranged alphabetically)
Series 10, Scrapbooks, 1890-1930 (arranged alphabetically).

Description of series

Series 1	Correspondence with individuals	Dates
extent:	6.3 linear ft.	1883-1970
description:	Contains correspondence with a variety of individuals including botanists, biologists, students, and Iowa State College (University) faculty members.	

Container list

Box	Folder	Title	Dates
1	1	Agan, W. R.	1917-1918
1	2	Allen, C. E.	1915-1926
1	3	Allis, Lizzie May	1926
1	4	Andrews, Lancelot	1889-1924
1	5	Andrews, T. L.	1902-1904
1	6	Anthony, W. A.	1922
1	7	Arthur, J. C.	1883-1927
1	7a	Arthur, J. C.	1929
1	8	Atkinson, George F.	1892-1910
1	9	Bailey, L. H.	1892-1922
1	10	Beal, W. J.	1893-1914
1	11	Bakke, A. L.	1909-1910

Box	Folder	Title	Dates
1	11a	Bakke, A. L.	1911-1915
1	11b	Bakke, A. L.	1916-1923
1	12	Baldwin, Francis M.	1927
1	13	Ball, C. R.	1897-1903
1	13a	Ball, C. R.	1904-1910
1	13b	Ball, C. R.	1911-1920
1	13c	Ball, C. R.	1921-1929
1	14	Ball, E. D.	1905-1924
2	1	Barney, W. B.	1910-1914
2	2	Beach, S. A.	1916-1920
2	3	Beardshear, Wm. M.	1890-1923
2	4	Bemis, H. E.	1927
2	5	Bennett, A. A.	1902-1923
2	6	Bergman, H. D.	1917-1918
2	7	Bessey, C. E.	1889-1908
2	7a	Bessey, C. E.	1909-1926
2	8	Bessey, E. A.	1903-1926
2	9	Beyer, S. W.	1916-1927
2	10	Bickel, W. F. & Bickel, Carl	1921-1927
2	10a	Birge, E. A.	1919-1925
2	11	Bliss, R. K.	1917-1927
2	12	Bolley, H. L.	1892-1908
2	12a	Bolley, H. L.	1909-1924
2	13	Bowdish, G. B.	1922-1930
2	14	Bowman, M. L.	1905-1914
2	15	Brenton, C. R.	1907-1910
2	15a	Brenton, C.R.	1911-1920
3	1	Brindley, J. E.	1923-1925
3	2	Brown, C. H.	1924-1930
3	3	Brown, H. C.	1915-1923

Box	Folder	Title	Dates
3	4	Buchanan, R. E.	1902-1907
3	4a	Buchanan, R. E.	1908-1915
3	4b	Buchanan, R. E.	1916-1917
3	4c	Buchanan, R. E.	1918-1926
3	5	Budd, J. L.	1893-1916
3	6	Budge, Ben G.	1904-1908
3	7	Burrill, T. J.	1888-1914
3	8	Call, Ellsworth	1856-1912
3	9	Calvin, Samuel	1893-1920
3	10	Carleton, M. A.	1894-1917
3	11	Carter, Charles	1911-1927
3	12	Cattell, J. M.	1900-1927
3	13	Cessna, O. H. & Family	1917-1927
3	14	Chamberlain, W. I.	1922
3	15	Cheney, L. S.	1900-1903
3	16	Conard, H. S.	1908-1929
4	1	Coover, W. F.	1917-1930
4	2	Coulter, John M.	1886-1917
4	3	Coville, F. V.	1894-1916
4	4	Cratty, R. I.	1915-1927
4	5	Crossley, B. W.	1909-1915
4	6	Curtiss, C. F.	1900-1931
4	7	Damon, Phil	1899-1909
4	8	Davidson, J. B.	1911-1915
4	9	Detmers, J. H.	1922-1927
4	10	deVries, Hugo	1900-1918
4	11	Drake, C. J.	1923
4	12	Dinsmore, Wayne	1901-1926
4	13	Carver, G. W. -- letters about Carver, G. W.	1903-1970

Box	Folder	Title	Dates
4	14	Carver, G. W. -- letters to & from (SEE APPENDIX 1) [photocopies; originals restricted]	1897-1911
4	14a	Carver, G. W. -- letters to & from (SEE APPENDIX 1) [photocopies; originals restricted]	1907-1927
4	14b	Carver, G. W. -- letters to & from (SEE APPENDIX 1) [photocopies; originals restricted]	1914-1923
4	14c	Carver, G. W. -- letters to & from (SEE APPENDIX 1) [photocopies; originals restricted]	1924-1928
4	15	Carver, G. W. -- letters to & from (SEE APPENDIX 1) [photocopies; originals restricted]	1929-1931
5	1	Edwards, J. F.	1923-1925
5	2	Eichling, H. L.	1915-1918
5	3	Elwood, P. H.	1923-1926
5	4	Erwin, A. T.	1923-1929
5	5	Evans, David	1906-1913
5	5a	Evans, R. V.	1926
5	6	Evvard, J. M.	1913-1920
5	7	Fairchild, D. G.	1890-1892
5	8	Fairchild, D. S.	1920-1925
5	9	Farlow, W. G.	1887-1921
5	10	Fay, O. J.	1899-1914
5	11	Fink, Bruce	1893-1903
5	11a	Fink, Bruce	1904-1922
5	12	Fogel, Estelle	1903-1908
5	13	Fowler, P. L.	1894
5	14	Francis, H. R.	1922-1925
5	15	Francis, Mark	1888-1927
5	16	Frankel, Margo	1921-1928
6	1	Gabel, C. E.	1909-1914
6	2	Galloway, B. T.	1888-1890
6	2a	Galloway, B. T.	1891-1921
6	3	Gemmill, W. H.	1909-1930

Box	Folder	Title	Dates
6	4	Gilman, J. C.	1929
6	5	Gilmore, M. R.	1915-1927
6	6	Godfrey, G. H.	1917-1927
6	7	Gregory, C. V.	1910-1914
6	8	Greene, Wesley	1917-1919
6	9	Gue, Benjamin	1903-1904
6	10	Gunn, G. D.	1902-1905
6	11	Guthrie	1915-1916
6	11a	Hainer, J. C.	1910
6	12	Halsted, Byron	1887-1894
6	12a	Halsted, Byron	1899-1921
6	13	Hansen, Niels	1890-1910
6	13a	Hansen, Niels	1911-1927
6	14	Harlan, E. R.	1918-1929
6	15	Harriman, W. E.	1891-1909
6	16	Harshberger, J. W.	1912-1926
7	1	Hayden, Ada	1909-1917
7	1a	Hayden, Ada	1918-1920
7	1b	Hayden, Ada	1921-1926
7	2	Hays, W. M.	1894-1922
7	3	Henning, C. F.	1904-1908
7	4	Henry, W. A.	1884-1926
7	5	Hitchcock, A. S.	1889-1905
7	5a	Hitchcock, A. S.	1906-1926
7	6	Holden, P. G.	1916-1918
7	7	Holway, E. W. D.	1885-1909
7	8	Hook, J. W.	1905-1940
7	9	Hornaday, W. T.	1914-1927
7	10	Horner, W. H.	1923
7	11	Howard, L. O.	1886-1910

Box	Folder	Title	Dates
7	12	Hughes, H. D.	1918-1928
7	13	Hughes, R. M.	1928-1931
7	14	Hume, H. H.	1900-1927
7	15	Hunt, T. S.	1904-1917
8	1	Jaques, H. E.	1912-1929
8	2	James, Edwin	1907-1930
8	3	James, James	1917
8	3a	James, James	1918
8	4	Jenkins, E. H.	1905-1910
8	5	Jensen, Jens	1922-1929
8	6	Jones, George W.	1894-1922
8	7	Jones, L. R.	1892-1924
8	8	Jones, Ward M.	1914-1923
8	9	Johnson, Ava L.	1925
8	10	Jordan, E. O.	1902-1904
8	11	Jordan, W. H.	1899-1911
8	12	Kay, G. F.	1925-1926
8	13	Kellerman, W. A.	1885-1891
8	14	Kellogg, Harriet S.	1916
8	15	Keyes, Chas R.	1922-1928
8	16	Kildee, H. H.	1921-1923
8	17	King, Charlotte	1891-1927
8	18	Knapp Family	1906-1927
8	19	Koch, Arnold	1902-1908
9	1	Larabee, Wm.	1904-1925
9	2	Lazell, Fred	1906-1911
9	2a	Lazell, Fred	1911-1927
9	3	LeBuhn, Carl	1911-1925
9	4	Lincoln, Rush	1918-1926
9	5	Lowery, Flora	1923

Box	Folder	Title	Dates
9	6	Marston, Ansen	1905-1925
9	7	MacDonald, G. B.	1911-1927
9	8	MacBride, Thomas H.	1891-1902
9	8a	MacBride, Thomas H.	1903
9	8b	MacBride, Thomas H.	1904
9	8c	MacBride, Thomas H.	1905-1906
9	8d	MacBride, Thomas H.	1907-1909
9	9	MacBride, Thomas H.	1910-1913
9	9a	MacBride, Thomas H.	1914-1927
9	10	McGee, W. J. & Anita	1902-1905
9	11	McKay, G. L.	1922
9	12	McNider, Mae (Mrs. C. H.)	1919-1928
10	1	Martin, J. N.	1911-1924
10	2	Melhus, I. E.	1906-1915
10	2a	Melhus, I. E.	1916-1927
10	3	Miller, A. W.	1923
10	4	Mosier, Cyrus	1901-1906
10	5	Moore, Barrington	1922-1926
10	6	Morrow, G. E.	1922
10	7	Mortensen, M.	1922-1923
10	8	Murphy, H. S.	1926-1927
10	9	Nelson, Aven	1900-1924
10	10	Nipher, F. E.	1922
10	11	Nutting, C. C.	1912-1927
10	12	Ochsner, A. J.	1885-1926
10	13	Oleson, O. M.	1907-1927
10	14	Olmsted, Frederick Law	1921
10	15	Orr, Ellison	1903-1917
10	16	Osborn, Herbert	1884-1928
10	17	Paarmann, J. H.	1902-1928

Box	Folder	Title	Dates
10	18	Packard, S. B.	1906-1912
10	19	Paddock, Estell	1899-1922
11	1	Paddock, F. B.	1926-1966
11	2	Parker, H. W.	n. d.
11	3	Parry, C. C.	1890-1903
11	3a	Parry, C. C.	1908-1927
11	4	Pearson, R. A.	1912-1923
11	4a	Pearson, R. A.	1924
11	4b	Pearson, R. A.	1925-1927
11	5	Peck, Morton E.	1904-1914
11	5a	Peck, Morton E.	1914-1924
11	6	Pierce, Dante	1924-1926
11	7	Powers, J. L.	1915-1917
11	8	Pride, H. E.	1924-1926
11	9	Reynolds, Harris	1918-1920
11	10	Reed, Charles	1918-1925
11	10a	Rice, Dr. E.	1899-1904
11	11	Riley, C. V.	1884-1894
11	12	Roberts, I. P.	1889-1891
11	13	Roberts, Maria M.	1919-1927
11	14	Robinson, B. L.	1893-1916
11	14a	Robinson, B. L.	1917-1927
11	15	Robinson, G. S.	1903-1920
11	16	Rolfs, P. H.	1890-1910
11	16a	Rolfs, P. H.	1911-1929
11	17	Ross, E. D.	1924-1930
11	18	Ross, L. S.	1894-1909
11	18a	Pride, H. E.	1910-1927
11	19	Russell, H. L.	1892-1925
12	1	Sawyer, Mr. Carol & Mrs. Berniece	1916-1927

Box	Folder	Title	Dates
12	2	Sargent, C. S.	1890-1802
12	2a	Sargent, C. S.	1903-1913
12	2b	Sargent, C. S.	1914
12	2c	Sargent, C. S.	1915-1917
12	3	Schmidt, L. B. & Mrs.	1915-1925
12	4	Scribner, Lamson	1888-1921
12	5	Selby, A. D.	1903-1923
12	6	Shaw, A. B., Dr. & Mrs.	1921-1928
12	7	Sherman, E. A. & Pammel, Harold	1904-1925
12	8	Shimek, B.	1892-1909
12	8a	Shimek, B.	1910-1926
12	9	Shull, G. H.	1903-1919
12	10	Sirriner, Emma	1902-1924
12	11	Sirriner, F.	1890-1905
12	12	Smith, E. F.	1891-1926
12	13	Smith, T. L.	1903-1922
12	14	Spaulding, Ellen	1903-1922
12	15	Stalker, M.	1891-1924
12	16	Stanton Family	1892-1925
12	17	Stennett, W. H.	1894-1907
12	17a	Stennett, W. H.	1908-1914
13	1	Stephens, T. C.	1916-1926
13	2	Stevens, J. L.	1900-1906
13	3	Stewart, F. C.	1893-1896
13	3a	Stewart, F. C.	1897
13	3b	Stewart, F. C.	1901-1904
13	3c	Stewart, F. C.	1905-1909
13	3d	Stewart, F. C.	1910-1926
13	4	Stevenson, F. H.	1921-1922
13	5	Storms, A. B.	1903-1909

Box	Folder	Title	Dates
13	6	Taylor, Rose Schuster (Mrs. H. J. Taylor)	1911-1927
13	7	Thompson, A. S.	1926
13	8	Thornberg, J. J.	1916
13	9	Thurlimann, Edward	1891-1909
13	10	Tiernan, Elizabeth	1921-1926
13	11	Tracy, S. M.	1889-1913
14	1	Trelease, William	1883-1889
14	1a	Trelease, William	1890-1899
14	2	Trelease, William	1900-1905
14	2a	Trelease, William	1906-1908
14	2b	Trelease, William	1909
14	3	Trelease, William	1910-1911
14	3a	Trelease, William	1912-1916
14	4	Trelease, William	1917-1919
14	4a	Trelease, William	1920-1928
14	5	Townshend, Norton Strange	1922
14	6	True, A. C.	1894-1913
14	7	Tuttle, F. May	1912-1914
14	7a	Tuttle, F. May	1915-1924
15	1	Van Hise, C. R.	1903-1915
15	2	Vasey, George	1888-1893
15	3	Wachsmith, Charles	1896
15	4	Walker, E. R.	1902-1904
15	4a	Walker, E. R.	1905-1910
15	5	Wallace, Henry A.	1916-1933
15	6	Watrus, Charles	1916
15	7	Webber, H. J.	1890-1913
15	8	Weeks, L. T.	1927
15	9	Westley, Mrs. Roy	1918-1919
15	10	Whetzel, H. H.	1905-1919

Box	Folder	Title	Dates
15	11	White, F. S.	1891-1900
15	12	Wilson, James	1891-1901
15	12a	Wilson, James	1902-1908
15	12b	Wilson, James	1909-1926
15	13	Wilson, James W.	1899-1926
15	14	Witter, E. M.	1909
15	15	Wolden, B. O.	1918-1919
15	16	Woods, Albert F.	1900-1902
15	16a	Woods, Albert F.	1903-1912
15	17	Wright, H. R.	1907-1910
15	18	Wynn, W. H.	1906-1911
15	19	Zmunt, Vincent	1892-1911

Description of series

Series 2	Correspondence with Internationals	dates
extent:	0.42	n.d
description:	Contains correspondence with individuals from other countries.	

Container list

Box	Folder	Title	Dates
16	1	A (J. Adams – Appel)	n. d.
16	2	B (Bergstedt – Buller)	n. d.
16	3	C (Cavara – Cuboni)	n. d.
16	4	D (Dallas – Dymond)	n. d.

Box	Folder	Title	Dates
16	5	E (Earle – Ewart)	n. d.
16	6	F (Fagar – Furnith)	n. d.
16	7	G (Gardner – Gwynne-Vaughan)	n. d.
16	8	H (Hansurem – Howat)	n. d.
16	9	I – K (Jarvis – Kirk)	n. d.
16	9a	K – L (Klurch – Ludwig)	n. d.
16	10	M (Macourn – Mercer)	n. d.
16	10a	M – N (Mitchell – Noel)	n. d.
16	10b	P (Painter – Potter)	n. d.
16	11	Q – S (Ramsey – Strainen)	n. d.
16	11a	T – U (Thompson – Uppel)	n. d.
16	11b	U – Z (Urban – Wuckolow)	n. d.

Description of series

Series 3	Professional Correspondence	Dates
extent:	2.74 linear feet	1883-1930
description:	Contains correspondence regarding articles, speaking engagements, and professional opinions.	

Container list

Box	Folder	Title	Dates
17	1	Correspondence between L. H. P. & Prominent Scientists	1888-1927
17	2	Correspondence between L. H. P. & other Professors at Iowa Colleges	n. d.

Box	Folder	Title	Dates
17	2a	Correspondence between L. H. P. & other Professors at Iowa Colleges	n. d.
17	3	Correspondence with Publishers & Editors – concerning journals, articles, & books	1883-1893
17	3a	Correspondence with Publishers & Editors – concerning journals, articles, & books	1893-1900
17	3b	Correspondence with Publishers & Editors – concerning journals, articles, & books	1901-1905
17	4	Correspondence with Publishers & Editors – concerning journals, articles & books	1906-1909
17	4a	Correspondence with Publishers & Editors – concerning journals, articles, & books	1910-1915
17	4b	Correspondence with Publishers & Editors – concerning journals, articles, & books	1916-1927
17	5	Correspondence on <u>Manual of Poisonous Plants</u>	1907-1912
17	5a	Correspondence on <u>Manual of Poisonous Plants</u>	1913-1918
17	5b	Correspondence on <u>Manual of Poisonous Plants</u>	1919-1922
17	5c	Correspondence on <u>Manual of Poisonous Plants</u>	1924-1925
18	1	Correspondence on Lacey Memorial	1913-1926
18	2	Correspondence with Newspapers	1903-1912
18	2a	Correspondence with Newspapers	1919-1924
18	2b	Correspondence with Newspapers	1925
18	2c	Correspondence with Newspapers	1926
18	3	Wallace Business Correspondence	1890-1905
18	3a	Wallace Business Correspondence	1906-1908
18	3b	Wallace Business Correspondence	1909-1911
18	3c	Wallace Business Correspondence	1912-1929
18	4	Museums & Botanical Garden Correspondence (Field Museum)	1891-1929
18	5	Missouri Botanical Garden Correspondence	1892-1926
18	6	Museums & Botanical Garden Correspondence (Smithsonian Institute)	1901-1927
18	7	Museums & Botanical Garden Correspondence (New York & Brooklyn's Botanical Gardens)	1922-1930

Box	Folder	Title	Dates
18	8	Letters of Inquiry Regarding Positions at ISC & elsewhere	1906-1926
19	1	Incoming & Outgoing Requests for Information on Botanical Matters	1879-1910
19	1a	Incoming & Outgoing Requests for Information on Botanical Matters	1911-1916
19	1b	Incoming & Outgoing Requests for Information on Botanical Matters	1918
19	1c	Incoming & Outgoing Requests for Information on Botanical Matters	1918
19	1d	Incoming & Outgoing Requests for Information on Botanical Matters	1919
19	2	Incoming & Outgoing Requests for Information on Botanical Matters	1920
19	2a	Incoming & Outgoing Requests for Information on Botanical Matters	1921
19	2b	Incoming & Outgoing Requests for Information on Botanical Matters	1922-1926
19	2c	Incoming & Outgoing Requests for Information on Botanical Matters	1926-1927
19	3	Incoming & Outgoing Requests for Information on Botanical Matters	1928
19	3a	Incoming & Outgoing Requests for Information on Botanical Matters	1928- 1929
19	3b	Incoming & Outgoing Requests for Information on Botanical Matters	1929
19	3c	Incoming & Outgoing Requests for Information on Botanical Matters	1929
19	3d	Incoming & Outgoing Requests for Information on Botanical Matters	1930
20	1	Solicited & Unsolicited Materials from Publishers & Individuals	1884-1899
20	1a	Solicited & Unsolicited Materials from Publishers & Individuals	1901-1908
20	1b	Solicited & Unsolicited Materials from Publishers & Individuals	1909, n. d.
20	1c	Solicited & Unsolicited Materials from Publishers & Individuals	1910-1913

Box	Folder	Title	Dates
20	1d	Solicited & Unsolicited Materials from Publishers & Individuals	1915-1918
20	2	Solicited & Unsolicited Materials from Publishers & Individuals	1919-1920
20	2a	Solicited & Unsolicited Materials from Publishers & Individuals	1921
20	2b	Solicited & Unsolicited Materials from Publishers & Individuals	1922-1924
20	2c	Solicited & Unsolicited Materials from Publishers & Individuals	1925-1928, n. d.
20	2d	Solicited & Unsolicited Materials from Publishers & Individuals	1929-1930
20	3	Concerns Memoires of Gustave Koerner	1919-1930
20	4	Correspondence Concerning Speaking Engagements	1905-1922
20	4a	Correspondence Concerning Speaking Engagements	1923-1926
20	4b	Correspondence Concerning Speaking Engagements	1926-1930
54	1	Correspondence	1883-1897, n. d.
54	1a	Correspondence	1901-1915
54	1b	Correspondence	1916-1918
54	1c	Correspondence	1919
54	2	Correspondence	1920
54	2a	Correspondence	1921
54	2b	Correspondence	1921
54	3	Correspondence	1922
54	3a	Correspondence	1922-1923
54	3b	Correspondence	1923
54	4	Correspondence	1923-1924
54	4a	Correspondence	1924
55	1	Correspondence	1925
55	1a	Correspondence	1925
55	2	Correspondence	1926
55	2a	Correspondence	1926

Box	Folder	Title	Dates
55	2b	Correspondence	1926
55	2c	Correspondence	1926
55	3	Correspondence	1927
55	3a	Correspondence	1927
55	3b	Correspondence	1928-1930
55	4	Correspondence	n. d.

Description of series

Series 4	Addresses and Publications	Dates
extent:	0.84 linear feet	1901-1970
description:	Contains speeches and articles written by and about Pammel.	

Container list

Box	Folder	Title	Dates
20	5	Addresses (Botanical Information)	1927-1928
20	5a	Addresses (Weeds & Everglades)	n. d.
20	5b	Addresses (Schedules of)	1927-1929, n. d.
20	5c	Addresses (Counties)	1928, n. d.
20	5d	Addresses (WOI Radio Talk)	1927-1928
20	5e	Addresses (Correspondence about)	1927-1928
21	1	Addresses	n. d.
21	1a	Addresses	n. d.
21	1b	Addresses	n. d.
21	1c	Addresses	1915-1926
21	2	Addresses	1926-1927

Box	Folder	Title	Dates
21	2a	Addresses	1927-1928
21	2b	Addresses	1928-1930
21	2c	Addresses (Radio)	1927-1929, n. d.
21	2d	Addresses (Radio)	1929-1930
21	3	Articles (Newspapers)	1918-1928
21	3a	Articles (Letters & Notes)	n. d.
21	3b	Articles (Trips)	n. d.
21	4	Trees (Ecology)	n. d.
21	5	Articles (Weeds)	n. d.
21	6	Articles (Plant Pathology)	n. d.
22	1	General Articles: A (SEE APPENDIX 2 FOR LISTING)	1929, n. d.
22	2	General Articles: B – D (SEE APPENDIX 2 FOR LISTING)	1906-1929, n. d.
22	3	General Articles: E – F (SEE APPENDIX 2 FOR LISTING)	1923-1928, n. d.
22	4	General Articles: G – I (SEE APPENDIX 2 FOR LISTING)	1901-1929, n. d.
22	5	General Articles: J – M (SEE APPENDIX 2 FOR LISTING)	1919-1929, n. d.
22	6	General Articles: N (SEE APPENDIX 2 FOR LISTING)	1910-1922, n. d.
22	7	General Articles: O – Q (SEE APPENDIX 2 FOR LISTING)	1911-1930, n. d.
22a	1	General Articles: R – S (SEE APPENDIX 2 FOR LISTING)	1901-1927, n. d.
22a	2	General Articles: T – Z (SEE APPENDIX 2 FOR LISTING)	1901-1930, n. d.
22a	3	Articles About Pammel: "The Botanical Work of Dr. L. H. Pammel at Iowa State College by A. T. Erwin, <u>Iowa Acad. of Science</u> , V. 31: 139-141	1924
22a	4	Articles About Pammel: Memorial by C. H. Gordon, Secretary-General <u>Phi Kappa Phi Journal</u> , V. 11, No. 4: 115-119, December, 1931	1931
22a	5	Articles About Pammel: "Louis H. Pammel: Pioneer Botanist, a Biography" by Marjorie Conley Pohl, <u>PROC IA ACAD. SCI.</u> 92(1): 1-50, 1985	1985

Box	Folder	Title	Dates
22a	6	Miscellaneous Articles About Pammel	n. d.
22a	7	Miscellaneous Articles About Pammel	n. d.
22a	8	Miscellaneous Articles About Pammel	n. d.
22a	9	Bibliographies	n. d.
22a	10	Miscellaneous Articles About Pammel	n. d.
22a	11	Bibliography of the Works of L. H. Pammel	ca. 1970
76	1	"Prominent Men I Have Met", I (Alfred Russell Wallace, J. L. Budd, S. A. Knapp, Asa Gray, Millikan Stalker, James Wilson)	1926
76	1a	"Prominent Men I Have Met", II (William Beardshear, F. E. L. Beal, H. J. Detmers, C. C. Nutting, L. T. Weeks)	1927
76	1b	"Prominent Men I Have Met", III (William Trelease)	1927
76	1c	"Prominent Men I Have Met", IV (E. W. D. Holway)	1928
76	1d	"Prominent Men I Have Met", V (Spencer A. Beach)	1928
76	1e	"Prominent Men I Have Met", VI (Charles E. Bessey)	1928
76	1f	"Prominent Men I Have Met", VII (J. H. Paarmann)	1929
76	1g	"Prominent Men I Have Met", VIII (Dr. Bruce Fink)	n. d.
76	1h	"Prominent Men I Have Met", IX (Henry C. Wallace)	n. d.
76	1i	"Prominent Men I Have Met", X (Dr. Henry Albert)	n. d.
76	2	"Recollections of John P. Bird"	1927
76	3	"Soils of Cuba"	1929
76	4	Lecture on Symposium Meeting Programs	1909-1930

Description of series

Series 5	Iowa State College (University) Concerns	Dates
extent:	4.61 linear ft.	1869-1930

description: Consists of materials regarding various aspects of Iowa State, including the Department of Botany, Herbarium, Graduate School, library, college hospital, memorial trees and markers, and the "Old Orchard". Also included are interviews and correspondence regarding the early years of the college and papers related to Iowa State's Semi-Centennial. In addition, the series also contains Pammel's lecture and research notes and letters of tribute received after his retirement.

Container list

Box	Folder	Title	Dates
23	1	Articles & Addresses Related to College History	1869-1893, n. d.
23	1a	Articles & Addresses Related to College History	n. d.
23	1b	Articles & Addresses Related to College History (Anthony – Welch)	n. d.
23	2	College History	1876-1921
23	2a	College History	1922
23	2b	College History	1922
23	2c	College History	1922
23	2d	College History	1923
23	2e	College History	1923
23	3	College History	1924
23	3a	College History	1924-1925
23	3b	College History	1925-1926
23	3c	College History	1926
23	3d	College History	1927-1928
24	1	Interviews (A)	1907-1928
24	1a	Interviews (B)	1907-1928
24	1b	Interviews (B, continued)	1907-1928
24	1c	Interviews (C)	1907-1928
24	1d	Interviews (C, continued)	1907-1928

Box	Folder	Title	Dates
24	2	Interviews (D)	1907-1928
24	2a	Interviews (E)	1907-1928
24	2b	Interviews (F)	1907-1928
24	2c	Interviews (G)	1907-1928
24	2d	Interviews (H)	1907-1928
24	3	Interviews (I – J)	1907-1928
24	3a	Interviews (K – L)	1907-1928
24	3b	Interviews (M)	1907-1928
24	3c	Interviews (M, continued)	1907-1928
24	4	Interviews (N – P)	1907-1928
24	4a	Interviews (R)	1907-1928
24	4b	Interviews (S – Sh)	1907-1928
24	4c	Interviews (Si – Sz)	1907-1928
24	5	Interviews (T)	1907-1928
24a	1	Interviews (U – Z)	1907-1928
24a	2	Interviews Index (A – G)	1907-1928
24a	3	Interviews Index (H – McN)	1907-1928
24a	4	Interviews Index (M – Z)	1907-1928
25	1	ISC Semi-Centennial, 1920	1915-1919, n. d.
25	1a	ISC Semi-Centennial, 1920	1920
25	2	ISC Semi-Centennial, 1920 (Letters, Bound)	1915
25	3	Committees	1907-1913
25	4	Committees (continued)	1920-1922
25	5	Committees (continued)	1904-1918
25	6	Committees (continued), Memorial Trees & Markers	1917-1922
25	6a	Committees (continued), Memorial Trees & Markers	1923-1925
25	6b	Committees (continued), Memorial Trees & Markers	1926-1929
25	7	Committees (continued)	1900-1927
26	1	Graduate Students (Anderson, J. P.)	1901-1915
26	1a	Graduate Students (Anderson, J. P., continued)	1916-1925

Box	Folder	Title	Dates
26	2	Graduate Students (Blumer, J. C.)	1912-1925
26	3	Graduate Students (Coe, Howard S.)	1909-1924
26	4	Graduate Students (Dudgeon, Winfield)	1906-1926
26	5	Graduate Students (Fatherly, H. I.)	1925-1927
26	6	Graduate Students (Kenoyer, Leslie A. & Nana)	1906-1916
26	6a	Graduate Students (Kenoyer, Leslie A. & Nana)	1917-1926
26	7	Graduate Students (Rofls, F. M.)	1900-1924
26	8	Graduate Students (Seal, James L.)	1914-1920
27	1	Pammel & Home Economics	1918-1928
27	2	Pammel & the Library	1918, n. d.
27	2a	Pammel & the Library (continued)	1918-1919
27	2b	Pammel & the Library (continued)	1920-1951
27	3	Pammel & Students	1893-1913
27	3a	Pammel & Students (continued)	1914-1918
27	3b	Pammel & Students (continued)	1919-1928
27	4	Pammel Lectures	n. d.
27	4a	Pammel Lectures (continued)	n. d.
27	4b	Pammel Lectures (continued)	n. d.
27	5	Letters of Tribute – Retirement	1924
27	5a	Letters of Tribute – Retirement	1924
27a	1	Letters of Tribute – Retirement	1924
27a	2	Letters of Tribute – Retirement	1924
28	1	Botany Department	1901-1910
28	2	Botany Department (continued)	1911-1918
28	2a	Botany Department (continued)	1919-1920
28	2b	Botany Department (continued)	1921-1930
28	3	Botany Department (continued)	1918-1930
28	3a	Botany Department (continued)	n. d.
28	4	Botany Department – Financial Affairs	1904-1923
28	5	Botany Department – Industrial Science	1909-1919

Box	Folder	Title	Dates
28	6	Bibliographies	1886-1917
29	1	National Research Council	1917-1920
29	2	Agricultural Experiment Station	1889-1919
29	3	Extension Department	1914-1926
29	4	Identification, Collection, & Exchange (General)	1888-1917
29	5	Identification, Collection, & Exchange (Grasses)	1897-1926
29	6	Identification, Collection, & Exchange (Grains & Corn)	1905-1920
29	7	Identification, Collection, & Exchange (General Research)	1915-1916
29	8	Identification, Collection, & Exchange (Fungus Research)	1929
29	9	Identification, Collection, & Exchange (Medical Plants)	1911-1926
29	10	Identification, Collection, & Exchange (Poisonous Plants)	1909-1919
29	10a	Identification, Collection, & Exchange (Poisonous Plants, continued)	1919-1926
29	11	Identification, Collection, & Exchange (Plant Pathology)	1891-1918
30	1	Seeds & Seed Testing	1894-1907, n. d.
30	1a	Seeds & Seed Testing	1908-1909
30	1b	Seeds & Seed Testing	1909-1911
30	2	Seeds & Seed Testing	1912-1913
30	2a	Seeds & Seed Testing	1914-1915
30	2b	Seeds & Seed Testing	1915
30	3	Seeds & Seed Testing	1916
30	3a	Seeds & Seed Testing	1916-1917
30	3b	Seeds & Seed Testing	1918-1921
30	3c	Seeds & Seed Testing	1921-1925
30	4	Correspondence on Weeds (Cockelburr-queries)	1905
31	1	Correspondence on Weeds (Miscellaneous)	1904-1915, n. d.
31	1a	Correspondence on Weeds (Miscellaneous, continued)	1915-1916
31	2	Correspondence on Weeds (Miscellaneous, continued)	1917
31	2a	Correspondence on Weeds (Miscellaneous, continued)	1917
31	2b	Correspondence on Weeds (Miscellaneous, continued)	1917-1918

Box	Folder	Title	Dates
31	2c	Correspondence on Weeds (Miscellaneous, continued)	1919-1922
31	3	General Weed & Seed (State) Legislation	1891-1911, n. d.
31	3a	General Weed & Seed (State) Legislation	1913-1915
31	3b	General Weed & Seed (State) Legislation	1913-1915
31	4	Data on Iowa Seed Bill	1903-1907
31	4a	Data on Iowa Seed Bill (continued)	n. d.
32	1	Herbarium	1904
32	2	Herbarium – Correspondence (A – B)	1925-1927
32	2a	Herbarium – Correspondence (C – G)	n. d.
32	2b	Herbarium – Correspondence (H – L)	n. d.
32	3	Herbarium – Correspondence (M – Q)	n. d.
32	3a	Herbarium – Correspondence (R – Z)	n. d.
32	4	About Trees & Forestry	1902-1917
32	4a	About Trees & Forestry (continued)	1918-1928
32	5	Iowa Weather Science	1910-1924
32	6	Honey Bee Correspondence	1914-1928
32	7	Humming Bird Correspondence	1929-1930
32	7a	Humming Bird Correspondence	1930
32	7b	Humming Bird Correspondence	1930
32	7c	Humming Bird Correspondence	1930

Description of series

Series 6	Professional Interests	Dates
extent:	8.4 linear ft.	1889-1930
description:	Contains information regarding Pammel's work with the United States Department of Agriculture, conservation, and State Parks. Also included are correspondence with legislators and governors.	

Container list

Box	Folder	Title	Dates
33	1	Investigations for USDA	1891-1902
33	1a	Investigations for USDA	1903-1906
33	1b	Investigations for USDA	1907-1909
33	1c	Investigations for USDA	1910-1911
33	2	Investigations for USDA	1912-1914, n. d.
33	2a	Investigations for USDA	1915
33	2b	Investigations for USDA	1916-1917
33	2c	Investigations for USDA	1918-1926
33	3	Rusts & Barberry Investigations	1915-1918
33	3a	Rusts & Barberry Investigations	1918
34	1	Rusts & Barberry Investigations	1918
34	1a	Rusts & Barberry Investigations	1918
34	1b	Rusts & Barberry Investigations	1918-1919
34	1c	Rusts & Barberry Investigations	1919-1924
34	2	Investigations & Testimony	1906, n. d.
34	3	Investigations & Testimony	1904-1906
34	3a	Investigations & Testimony	1906-1924
34	4	Plant Life Commission	1917-1918
34	4a	Plant Life Commission	1919-1926
34	5	Columbian & Louisiana Purchase Expositions	1892-1893
35	1	State Administration Study	1919-1923
35	2	Federal Officials – Executive Branch	1892-1929
35	3	Senators – Allison, W. B.	1892-1908
35	4	Senators – Cummins, A. B.	1903-1922
35	5	Senators – Kenyon, W. S.	1911-1922
35	6	Senators – Ransdell, J. E.	1920

Box	Folder	Title	Dates
35	7	Senators – Other	1921
35	8	Representatives – Hull, John A. T.	1900-1921
35	9	Representatives – Lacey, Major J. F.	1900-1913
35	10	Representatives – Others	n. d.
35	11	Governors – Carroll, B. F.	1908-1912
35	12	Governors – Clark, George	1913-1916
35	13	Governors – Garst, Warren	1893-1908
35	14	Governors – Hammill, John	1920-1927
35	15	Governors – Harding, W. L.	1916-1921
35	16	Governors – Kendall, N. E.	1904-1926
35	17	Governors – Shaw, Leslie M.	1900-1901
36	1	State Legislators & Administrators	1894-1924
36	1a	State Legislators & Administrative Officials	1924-1929
36	2	Iowa Historical Department & Library	1901-1906, n. d.
36	3	Iowa Historical Department & Library	1902-1915
36	4	Iowa Historical Department & Library	1903-1927
36	4a	Iowa Historical Department & Library	1915-1927
36	5	Iowa Historical Department & Library	1904-1911
36	6	Iowa Historical Department & Library	1906-1908
36	7	Iowa Historical Department & Library	1909
37	1	National Conservation	1902-1919
37	1a	National Conservation	1919
37	1b	National Conservation	1919
37	1c	National Conservation	1919
37	2	National Conservation	1920
37	2a	National Conservation	1920
37	2b	National Conservation	1920
37	2c	National Conservation	1920
37	3	National Conservation	1921
37	3a	National Conservation	1921

Box	Folder	Title	Dates
37	4	National Conservation	1922-1923
37	4a	National Conservation	1923-1924
38	1	National Conservation	1925-1926
38	1a	National Conservation	1926-1927
38	2	National Conservation	n. d.
38	2a	National Conservation	n. d.
38	3	State Parks & State Conservation	1894-1918
38	3a	State Parks & State Conservation	1919-1920
38	4	Wildlife School	1919
38	4a	Wildlife School	1919
39	1	State Parks & State Conservation (Correspondence)	1920
39	1a	State Parks & State Conservation (Correspondence)	1921
39	1b	State Parks & State Conservation (Correspondence)	1921
39	1c	State Parks & State Conservation (Correspondence)	1922
39	1d	State Parks & State Conservation (Correspondence)	1922
39	2	State Parks & State Conservation (Correspondence)	1923
39	2a	State Parks & State Conservation (Correspondence)	1923
39	3	State Parks & State Conservation (Correspondence)	1924
39	3a	State Parks & State Conservation (Correspondence)	1924
39	4	State Parks & State Conservation (Correspondence)	1924
39	4a	State Parks & State Conservation (Correspondence)	1924
39	4b	State Parks & State Conservation (Correspondence)	1924
40	1	State Parks & State Conservation (Correspondence)	1925
40	1a	State Parks & State Conservation (Correspondence)	1925
40	1b	State Parks & State Conservation (Correspondence)	1925
40	2	State Parks & State Conservation (Correspondence)	1925
40	2a	State Parks & State Conservation (Correspondence)	1925
40	3	State Parks & State Conservation (Correspondence)	1925
40	3a	State Parks & State Conservation (Correspondence)	1925
40	4	State Parks & State Conservation (Correspondence)	1926

Box	Folder	Title	Dates
40	4a	State Parks & State Conservation (Correspondence)	1926
40	4b	State Parks & State Conservation (Correspondence)	1926
40	5	State Parks & State Conservation (Correspondence)	1926
40	5a	State Parks & State Conservation (Correspondence)	1926
40	6	State Parks & State Conservation (Correspondence)	1927-1928
41	1	Expenses & State Park Bulletins	1925
41	1a	Expenses & State Park Bulletins	1925
41	1b	Expenses & State Park Bulletins	1925-1926
41	2	Expenses & State Park Bulletins	1926
41	2a	Expenses & State Park Bulletins	1926
41	2b	Expenses & State Park Bulletins	1926-1927
41	3	Conservation Lecture Trips	1924
41	3a	Conservation Lecture Trips	1924-1925
41	4	Articles by L. H. P. on State Parks	n. d.
41	5	Bibliography of Articles on State Parks & Conservation	n. d.
41	6	State Parks: Addresses & Notes	n. d.
42	1	Lakes in State & County Parks (A – B)	n. d.
42	1a	Lakes in State & County Parks (C)	n. d.
42	2	Lakes in State & County Parks (E – H)	n. d.
42	3	Lakes in State & County Parks (L)	n. d.
42	3a	Lakes in State & County Parks (L – M)	n. d.
42	3b	Lakes in State & County Parks (M)	n. d.
42	4	Lakes in State & County Parks (N – O)	n. d.
42	4a	Lakes in State & County Parks (O)	n. d.
42	4b	Lakes in State & County Parks (R)	n. d.
43	1	Lakes in State & County Parks (S – Sm)	n. d.
43	1a	Lakes in State & County Parks (Sp – Su)	n. d.
43	2	Lakes in State & County Parks (T)	n. d.
43	2a	Lakes in State & County Parks (T, continued)	n. d.
43	2b	Lakes in State & County Parks (T, continued)	n. d.

Box	Folder	Title	Dates
43	2c	Lakes in State & County Parks (U – Z)	n. d.
43	3	Lakes in State & County Parks	1922
43	3a	Lakes in State & County Parks	1923-1924
43	3b	Lakes in State & County Parks	1920-1924, n. d.
44	1	State Parks (Maps & Newspaper Clippings)	n. d.
44	1a	State Parks (A)	1919-1927
44	1b	State Parks (A, continued)	n. d.
44	2	State Parks (B)	n. d.
44	2a	State Parks (B, continued)	n. d.
44	2b	State Parks (B, continued)	n. d.
44	3	State Parks (B, continued)	n. d.
44	3a	State Parks (B, continued)	n. d.
44	3b	State Parks (B, continued)	n. d.
44	3c	State Parks (B, continued)	n. d.
44	4	State Parks (C)	n. d.
44	4a	State Parks (C, continued)	n. d.
45	1	State Parks (C, continued)	n. d.
45	1a	State Parks (C, continued)	n. d.
45	1b	State Parks (D)	n. d.
45	1c	State Parks (D, continued)	n. d.
45	1d	State Parks (D, continued)	n. d.
45	1e	State Parks (D, continued)	n. d.
Archives	Tubes	State Parks (Delaware County – Backbone State Park Plans)	1925
45	2	State Parks (D – E)	n. d.
45	2a	State Parks (F)	1920-1927
45	3	State Parks (G)	n. d.
45	3a	State Parks (G, continued)	n. d.
45a	1	State Parks (H)	n. d.
45a	1a	State Parks (H, continued)	n. d.

Box	Folder	Title	Dates
45a	1b	State Parks (H, continued)	n. d.
45a	1c	State Parks (H, continued)	n. d.
45a	2	State Parks (H, continued)	n. d.
45a	3	State Parks (H, continued)	n. d.
46	1	State Parks (H, continued)	1925
46	1a	State Parks (H, continued)	1925
46	1b	State Parks (H, continued)	1925-1926
46	1c	State Parks (H, continued)	1926-1927
46	2	State Parks (H, continued)	n. d.
46	2a	State Parks (H, continued)	n. d.
46	2b	State Parks (H, continued)	n. d.
46	3	State Parks (H, continued)	n. d.
46	3a	State Parks (H, continued)	n. d.
46	3b	State Parks (H, continued)	n. d.
46	3c	State Parks (H, continued)	n. d.
46	4	State Parks (I – J)	n. d.
46	4a	State Parks (J, continued)	n. d.
46	4b	State Parks (J, continued)	n. d.
46a	1	State Parks (K – L)	n. d.
46a	2	State Parks (L, continued)	n. d.
46a	3	State Parks (L, continued)	n. d.
47	1	State Parks (M)	1919-1927, n. d.
47	1a	State Parks (M, continued)	n. d.
47	1b	State Parks (M, continued)	n. d.
47	2	State Parks (M, continued)	1919-1921, n. d.
47	2a	State Parks (M, continued)	1923-1925
47	2b	State Parks (M, continued)	1926-1927
47	2c	State Parks (M, continued)	1930
47	2d	State Parks (M, continued)	1930
47	3	State Parks (O – P)	1921-1927

Box	Folder	Title	Dates
47	3a	State Parks (P, continued)	1922-1926
47	3b	State Parks (P, continued)	1919-1926, n. d.
47	4	State Parks (S)	1919-1926
47	5	State Parks (T)	1920-1926, n. d.
47	5a	State Parks (T, continued – maps & articles)	1919-1922, n. d.
48	1	State Parks (U)	1921-1924
48	2	State Parks (V)	n. d.
48	3	State Parks (V, continued)	1919-1921
48	4	State Parks (V, continued)	1922-1924
48	5	State Parks (V, continued)	1925
48	6	State Parks (V, continued)	1925
48	7	State Parks (V, continued)	1926
48	8	State Parks (V, continued)	1926
48	9	State Parks (V, continued – maps & articles)	1919, n. d.
49	1	State Parks (W)	n. d.
49	1a	State Parks (W, continued)	n. d.
49	1b	State Parks (W, continued)	n. d.
49	2	State Parks (W, continued – articles)	n. d.
49	2a	State Parks (W, continued)	n. d.
49	2b	State Parks (W, continued)	n. d.
49	2c	State Parks (W, continued)	n. d.
49	3	State Parks (W, continued)	n. d.
49	3a	State Parks (W, continued)	n. d.
49	3b	State Parks (W, continued)	n. d.
49	3c	State Parks (W, continued)	n. d.
49	3d	State Parks (W, continued)	n. d.
49	3e	State Parks (W, continued)	n. d.
49	4	State Parks – Index	1962
49	5	Iowa Park & Forestry Association	1899-1907, n. d.

Box	Folder	Title	Dates
49	5a	Iowa Park & Forestry Association (continued) & Iowa Forestry & Conservation Association	1913-1915
49	5b	Iowa Park & Forestry Association (continued) & Iowa Forestry & Conservation Association (continued)	1916-1917
49	5c	Iowa Park & Forestry Association (continued) & Iowa Forestry & Conservation Association (continued)	1917

Description of series

Series 7	Professional Interests	Dates
extent:	1.68	1906-1928
description:	Contains correspondence, proceedings, and reports regarding the Iowa Conservation Association and the State Board of Conservation.	

Container list

Box	Folder	Title	Dates
50	1	Iowa Conservation Association	n. d.
50	1a	Iowa Conservation Association	1917-1918
50	1b	Iowa Conservation Association	1918
50	2	Iowa Conservation Association	1918
50	2a	Iowa Conservation Association	1918-1919
50	2b	Iowa Conservation Association	1919
50	3	Iowa Conservation Association	1920
50	3a	Iowa Conservation Association	1920-1921
50	4	Iowa Conservation Association	1921-1922
50	4a	Iowa Conservation Association	1922-1923

Box	Folder	Title	Dates
50	4b	Iowa Conservation Association	1923-1926
51	1	State Board of Conservation	1918-1919
51	1a	State Board of Conservation	1919-1921
51	2	State Board of Conservation	1921-1922
51	2a	State Board of Conservation	1922-1923
51	2b	State Board of Conservation	1923
51	3	State Board of Conservation	1924
51	3a	State Board of Conservation	1925
51	3b	State Board of Conservation	1926
51	3c	State Board of Conservation	1927-1928
51	4	State Board of Conservation (Board Minutes)	1919-1920
51	4a	State Board of Conservation (photos)	n. d.
51	4b	State Board of Conservation (Board Minutes – Correspondence)	1919-1920
51	5	State Board of Conservation (Board Resolutions)	1920-1926, n. d.
51	5a	State Board of Conservation (Park Condition Information)	1919, n. d.
51	5b	State Board of Conservation	1924-1926, n. d.
52	1	State Board of Conservation (Expenditures)	1917-1920
52	1a	State Board of Conservation	1921-1922
52	2	State Board of Conservation	1923
52	2a	State Board of Conservation	1924-1925
52	2b	State Board of Conservation	1925-1926
52	3	State Board of Conservation (Reports & Articles)	n. d.
52	3a	State Board of Conservation (Reports & Articles, continued)	n. d.
52	3b	State Board of Conservation (Reports & Articles, continued)	n. d.
52	3c	State Board of Conservation (Reports & Articles, continued)	n. d.
52	4	State Board of Conservation (Park Trips by L. H. P.)	n. d.
53	1	Committee Appointments in House & Senate	n. d.

Box	Folder	Title	Dates
53	1a	Conservation Bills & Related Legislation	n. d.
53	1b	Conservation Bills & Related Legislation	1906-1920
53	1c	Conservation Bills & Related Legislation	1921
53	1d	Conservation Bills & Related Legislation	1921
53	1e	Conservation Bills & Related Legislation (maps)	1921
53	1f	Conservation Bills & Related Legislation	1922
53	2	Conservation Bills & Related Legislation	1923
53	2a	Conservation Bills & Related Legislation	1923
53	2b	Conservation Bills & Related Legislation	1924-1925
53	2c	Conservation Bills & Related Legislation	1925
53	3	Newspaper Clippings Related to Conservation	n. d.

Description of series

Series 8	Organizations	Dates
extent:	1.68 linear feet	1888-1928
description:	Consists mostly of correspondence with various professional organizations, including the Iowa Academy of Science, Gamma Sigma Delta, Phi Kappa Phi, and the Osborn Club	

Container list

Box	Folder	Title	Dates
56	1	American Association for the Advancement of Science	1890-1910, n. d.
56	1a	American Association for the Advancement of Science	1910-1919
56	1b	American Association for the Advancement of Science	1919-1921

Box	Folder	Title	Dates
56	1c	American Association for the Advancement of Science	1921-1926
56	2	Pammel & the Church (Episcopal) - Sermons & Sermonettes	n. d.
56	2a	Pammel & the Church (continued)	n. d.
56	3	Pammel & the Church (Correspondence)	1916-1918
56	3a	Pammel & the Church (Correspondence, continued)	1918
56	3b	Pammel & the Church (Correspondence, continued)	1918
56	4	Pammel & the Church (Correspondence, continued)	1919
56	4a	Pammel & the Church (Correspondence, continued)	1919-1929
56	5	State Historical Societies of Iowa, Nebraska, & Minnesota	n. d.
57	1	Iowa Academy of Science (Members)	n. d.
57	2	Iowa Academy of Science (Correspondence)	1889-1902, n. d.
57	2a	Iowa Academy of Science (Correspondence, continued)	1903-1905
57	2b	Iowa Academy of Science (Correspondence, continued)	1906-1911
57	3	Iowa Academy of Science (Correspondence, continued)	1912-1913
57	3a	Iowa Academy of Science (Correspondence, continued)	1914-1915
57	3b	Iowa Academy of Science (Correspondence, continued)	1916-1917
57	4	Iowa Academy of Science (Correspondence, continued)	1918-1920, n. d.
57	4a	Iowa Academy of Science (Correspondence, continued)	1921-1922
57	4b	Iowa Academy of Science (Correspondence, continued)	1923, n. d.
57	5	Iowa Academy of Science (Correspondence, continued)	1924, n. d.
57	5a	Iowa Academy of Science (Correspondence, continued)	1924
57	5b	Iowa Academy of Science (Correspondence, continued)	1925, n. d.
57	5c	Iowa Academy of Science (Correspondence, continued)	1926-1928
57	6	Iowa Academy of Science (Parody of Academy in Fairfield <u>Ledger</u>)	1929
58	1	Miscellaneous Professional Organizations	n. d.
58	1a	Miscellaneous Professional Organizations (continued)	n. d.
58	2	American Association of University Professors	1914-1925, n. d.
58	3	Cosmopolitan Club	1908-1924, n. d.

Box	Folder	Title	Dates
58	3a	Cosmopolitan Club (continued)	1924
58	3b	Cosmopolitan Club (continued)	1924
58	3c	Cosmopolitan Club (continued)	1925-1928
58	4	Gamma Sigma Delta	1907-1927, n. d.
58	5	Sigma Psi	1905-1916, n. d.
58	5a	Sigma Psi (continued)	1916-1923
58	5b	Sigma Psi (continued)	1924-1927
58	6	YMCA	1905-1915
58	7	Osborn Club	1892-1931, n. d.
59	1	Grange	1888-1925
59	2	Luther Burbank Society	1909-1913
59	3	Phi Kappa Phi	1910-1922
59	3a	Phi Kappa Phi (continued)	1923-1927
59	4	Phi Kappa Phi (at other schools) - (A – B)	n. d.
59	5	Phi Kappa Phi (at other schools) - (C – G)	n. d.
59	6	Phi Kappa Phi (at other schools) - (I)	n. d.
59	6a	Phi Kappa Phi (at other schools) - (I, continued)	n. d.
59	6b	Phi Kappa Phi (at other schools) - (K)	n. d.
59	7	Phi Kappa Phi (at other schools) - (M)	n. d.
59	7a	Phi Kappa Phi (at other schools) - (M, continued)	n. d.
59	8	Phi Kappa Phi (at other schools) - (N)	n. d.
59	8a	Phi Kappa Phi (at other schools) - (N, continued)	n. d.
59	8b	Phi Kappa Phi (at other schools) - (N – O)	n. d.
59	9	Phi Kappa Phi (at other schools) - (P – S)	n. d.
59	9a	Phi Kappa Phi (at other schools) - (T – U)	n. d.

Description of series

Series 9	Personal Correspondence and Papers	Dates
extent:	2.10 linear feet	1882-1931
description:	Series consists of Pammel's biographical information, including tributes, and personal correspondence, mostly regarding family matters.	

Container list

Box	Folder	Title	Dates
60	1	Biographical Information & Tributes	1917-1930, n. d.
60	1a	Biographical Information & Tributes (Work Stats, Biographies, & Articles by Pammel)	1924-1930
60	1b	Biographical Information & Tributes (Letters to Pammel & to Mrs. Pammel)	1924-1931
60	1c	Biographical Information & Tributes (Memorials)	1930-1977
60	2	Biographical Information & Tributes (40 th Wedding Anniversary)	1927
60	3	Biographical Information & Tributes (Family Information)	1930, n. d.
60	4	Biographical Information & Tributes (35 th Anniversary)	1930
60	4a	Biographical Information & Tributes (35 th Anniversary, continued)	1930
60	4b	Biographical Information & Tributes (35 th Anniversary, continued)	1930
60	4c	Biographical Information & Tributes (Pammel State Park Dedication)	1930
60	4d	Biographical Information & Tributes (Pammel State Park Dedication, continued)	1930
60	4e	Biographical Information & Tributes (Photos)	1930-1931
60	5	Biographical Information & Tributes (L. H. P. & LaCrosse)	1921-1928, n. d.
60	6	Biographical Information & Tributes (Early Work)	1930, n. d.
77	7	Biographical Information & Tributes (Honors – news clippings)	1915
61	1	Student Work (Compositions & Drawings)	n. d.
61	2	Ph.D. Thesis (Washington University)	1899

Box	Folder	Title	Dates
61	3	Undergraduate Notebooks	n. d.
61	4	Undergraduate Notebooks	n. d.
61	5	Undergraduate Notebooks	n. d.
62	1	Personal Correspondence	1882-1883
62	1a	Personal Correspondence	1884
62	1b	Personal Correspondence	1885
62	1c	Personal Correspondence	1886-1889
62	1d	Personal Correspondence	1891-1899
62	2	Personal Correspondence	1900-1905, n. d.
62	2a	Personal Correspondence	1906-1908
62	2b	Personal Correspondence	1909-1914
62	2c	Personal Correspondence	1915-1916
62	2d	Personal Correspondence (Family)	1917
62	3	Personal Correspondence (25 th Anniversary at ISC)	1915
62	3a	Personal Correspondence (25 th Anniversary at ISC, continued)	1915
62	4	Personal Correspondence (Business)	1917
62	5	Personal Correspondence (WWI & Research)	1914-1916
63	1	Personal Correspondence (Family Affairs)	1918
63	1a	Personal Correspondence (Family Affairs, continued)	1918
63	1b	Personal Correspondence (Family Affairs, continued)	1918-1919
63	1c	Personal Correspondence (Family Affairs, continued)	1919-1920
63	2	Personal Correspondence (Family Affairs, continued)	1921-1922
63	2a	Personal Correspondence (Family Affairs, continued)	1923-1925
63	2b	Personal Correspondence (Family Affairs, continued)	1926
63	2c	Personal Correspondence (Family Affairs, continued)	1927-1928
63	3	Personal Correspondence (Family Affairs, continued)	1929-1930
63	4	Personal Correspondence (Letters to Family)	1910-1967, n. d.
64	1	Personal Correspondence (Retirement)	1926-1929, n. d.
64	2	Personal Correspondence (Professional Organizations)	1922-1926, n. d.

Box	Folder	Title	Dates
64	3	Personal Correspondence (Articles by Pammel)	1910-1930, n. d.
64	4	Personal Correspondence (Trips)	1931, n. d.
64	5	Personal Correspondence (Trips: Photos)	1908, n. d.
64	6	Personal Correspondence (University of Wisconsin)	1902-1931, n. d.
64	7	Personal Correspondence (Receipts)	1917-1919
64	8	Personal Correspondence (Brochures)	1920-1930, n. d.

Description of series

Series 10	Scrapbooks	Dates
extent:		1890-1930
description:	Contains scrapbooks regarding conservation, Iowa State College (University), botany, and Pammel's family members. The books contain mostly newspaper clippings	

Container list

Box	Folder	Title	Dates
65		Scrapbook #1 (Newspaper Clippings on Weeds)	n. d.
66		Scrapbook #2 (Conservation: ISC Concerns)	n. d.
66	1	Scrapbook #2 (Conservation: ISC Concerns) – Newspaper Clippings	1906-1928, n. d.
66	2	Scrapbook #2 (Conservation: ISC Concerns) – Miscellaneous Flyer: "Campaign Static"	1928
67		Scrapbook #3 (Addresses on Conservation, Weeds, & Miscellaneous)	n. d.
68		Scrapbook #4 (Newspaper Clippings on Weeds)	n. d.
68	1	Scrapbook #4 - Newspaper Clippings	1923-1930, n. d.
68	2	Scrapbook #4 – Miscellaneous Letters & Pamphlets	1915-1930, n. d.

Box	Folder	Title	Dates
69		Scrapbook #5 (Newspaper Clippings – General Botany)	n. d.
69	1	Scrapbook #5 – Newspaper Clippings	1926-1927, n. d.
69	2	Scrapbook #5 – Newspaper Clippings	1927
69	3	Scrapbook #5 – Newspaper Clippings	1928
69	4	Scrapbook #5 – Newspaper Clippings	1928
69	5	Scrapbook #5 – Newspaper Clippings	1923-1928, n. d.
70		Scrapbook #6 (State Park Material)	n. d.
71	1	Scrapbook #7 – Newspaper Clippings – “Prominent Men I Have Met”	1925-1927
71	2	Scrapbook #7 – Newspaper Clippings – “Dr. Pammel’s Letter”	1926-1927
71	3	Scrapbook #7 – Miscellaneous Newspaper Clippings	1926-1929, n. d.
71	4	Scrapbook #7 – Miscellaneous Publications	1929
72		Scrapbook #8 (Addresses on Botany, Botanists, & to Social Organizations)	n. d.
73		Scrapbook #9 (Miscellaneous Addresses – Botany, Biography, Parks)	n. d.
74	1	Scrapbook #10 (Newspaper Clippings)	1926-1928
74	2	Scrapbook #10 (Miscellaneous Articles)	1929, n. d.
75		Scrapbook #11 (Addresses – General Botany, Cosmopolitan Club, Universities & other organizations)	n. d.
76	5	Scrapbook – Weeds	1890-1895
76	6	Scrapbook – Herbarium Fire	1900
76	6a	Scrapbook – Herbarium Fire (loose materials)	1900
76a	1	State Parks (including the Dedication of Pammel State Park)	1902-1930
76a	1a	State Parks	1930
76a	2	Pammel State Park Visitors’ Register	1930
76a	3	Newspaper Clippings (General Botany)	n. d.
76a	4	Newspaper Clippings	n. d.

Box	Folder	Title	Dates
77		Newspaper Clippings (Scrapbook of newspaper clippings written by Pammel & others. General botany material. Alumni files (ISU) of Pammel children: Doris, Harriet Pammel Seal & Harrold Pammel.)	n. d.
77	a	General Botany Material	n. d.
77	1	Doris Pammel	1915
77	2	Harold E. Pammel	1922
77	3	Harriet Pammel Seal	1910
77	4	Lecture Notes – <u>Vegetable Pathology</u> Course taken by Roger MacKintosh (Book 1)	1910
77	5	Lecture Notes – <u>Vegetable Pathology</u> Course taken by Roger MacKintosh (Book 2)	1910
77	6	Photo Album/Scrapbook (4.5" x 6.5")	ca. 1920's

Appendix 1

Inventory of George W. Carver's Correspondence with L. H. Pammel from Box 4, Folder 14 to Box 4, Folder 15

Date		Description
March 30, 1897	Letter to Pammel	"I am enjoying my work very much...This is indeed a new world...I like it so much better than I thought I would at first." [Referring to Tuskegee]
March 4, 1899	Letter to Pammel	Thanks Pammel for a favor and sends Pammel a bulletin.
April 29, 1899	Letter to Pammel	Asks about subject for Academy of Science.
June 5, 1899	Letter to Pammel	"I hope you will pardon me for giving you so much trouble concerning my paper for the Academy of Science."
June 14, 1899	Letter to Pammel	Thanks Pammel for suggestions Re: Academy of Science paper.
August 2, 1899	Letter to Pammel	Paper was rejected. Carver just returned from Old Point Cumfort, Virginia.

Date		Description
August 12, 1899	Letter to Pammel	Sending Pammel some specimens.
August 28, 1899	Letter to Pammel	Discusses curcusporas and his paper.
December 7, 1899	Letter to Pammel	Carver is forwarding his paper to Pammel to be published in Pammel's Biennial Report.
December 9, 1899	Letter to Pammel	"I beg leave to say that some of the specimens sent to you are very peculiar indeed."
December 11, 1899	Letter to Pammel	Thanks for list of determinations.
May 1, 1900	Letter to Pammel	Working on second paper.
May 17, 1900	Letter to Pammel	Asks advice on identifying specimens.
August 30, 1900	Letter to Pammel	Carver having difficulty with paper because of a lack of equipment.
September 7, 1900	Letter to Pammel	"...you are a much better judge of cameras than myself, and any good one that will answer the purpose will do..."
September 25, 1900	Letter to Pammel	Congratulates Pammel on his department progress.
October 23, 1900	Letter to Pammel	Sending a new species of calletotrichum.
December 26, 1900	Letter to Pammel	Requests news of fire at I. S. C.
January 18, 1901	Letter to Pammel	Will send requested specimens.
January 21, 1901	Letter to Pammel	Carver has received his separates.
February 12, 1901	Letter to Pammel	"My efforts (are) now being directed along the lines of fungi which I find is all that I can well care for."
March 7, 1901	Letter to Pammel	Thanks Pammel for advice about herbarium.
December 2, 1901	Letter to Pammel	Acknowledges receiving a bulletin of the Iowa Geological Survey.
December 4, 1901	Letter to Pammel	Carver cannot attend meeting of Iowa Academy of Science.

Date		Description
February 12, 1902	Letter to Pammel	Sending some fungi specimens.
March 10, 1902	Letter to Pammel	Will send "Your Gymnosporangia."
April 5, 1902	Letter to Pammel	"I am sending you under separate cover a copy of <u>The Tuskegee Student</u> and my little <u>Nature Study</u> ... I shall be glad to have your opinion of the <u>Nature Study</u> ."
April 18, 1902	Letter to Pammel	"I also thank you for your congratulations on the discovery of oxydes, paints, etc. The gentleman will be here in a few days I presume - - according to promise - - to look the matter over with a view to perfecting the organization for the manufacture of the material."
May 1, 1902	Letter to Pammel	"The Ogden Party, or promoters of Southern education, have come and gone. It was indeed a very pleasant gathering."
September 13, 1902	Letter to Pammel	"I am always glad to render you any assistance within my power."
February 20, 1903	Letter to C. F. Curtiss	Lyman Word is sending a request for hop roots; will you accommodate him.
April 9, 1903	Letter to Pammel	"I often think of you when we are wondering (sic) through the woods and gathering specimens of various kinds."
April 16, 1904	Letter to Pammel	Will send requested leaves.
April 25, 1904	Letter to Pammel	Sending specimens.
September 8, 1904	Letter to Pammel	"We are passing through one of the greatest droughts that we have had in recent years."
April 25, 1907	Letter from Pammel	Requests some okra plants.
May 10, 1907	Letter to Pammel	Has no okra at present. "P. S. I think, Professor Pammel, that you owe me a visit; can't you come this summer?"
May 24, 1907	Letter from Pammel	Will visit when he goes south.
June 5, 1907	Letter to Pammel	"P. S. I can get you a plant of okra about 6" high, now, if it is not too late."
July 2, 1907	Letter to Pammel	Acknowledges receipt of bulletins.
July 12, 1907	Letter from Pammel	Requests okra later in season.

Date		Description
August 6, 1909	Letter to Pammel	Requests name of person to who he can refer "doubtful specimens of fungi for determination."
August 12, 1907	Letter from Pammel	Sends names of two scientists.
August 15, 1907	Letter to Pammel	Compiling list of fungi of Macon County.
August 28, 1907	Letter to Pammel	Carver names a new species of cercospora and asks Pammel's advice about how to go about naming it. (Pammel replies with advice.) A charming letter. He signs it – sincerely your pupil
September 2, 1907	Letter from Pammel	Advice on naming specimens.
September 7, 1907	Letter to Pammel	Thanks for advice.
September 18, 1907	Letter to Pammel	Carver wants to know if an incubator for hatching chickens could be used for bacteriology purposes such as growing pathogenic organisms. In same letter, Carver refers to a typhoid epidemic, which has been traced to the water supply. He made over 63 tests and found "very interesting germs". Had found one that forms a curious fluid mass in an ordinary Sacacchrine solution. He wanted to isolate it.
September 21, 1907	Letter from Pammel	Refers Carver's letter to R. E. Buchanan.
September 26, 1907	Letter to Pammel	Still analyzing water.
December 1, 1908	Letter to Pammel	Thanks for sending papers.
January 1, 1910	Letter to Pammel	Thanks for Bulletin #6.
May 19, 1910	Letter to Pammel	"It is impossible for you to know how much I appreciated all that you did for me, and to no small degree my success is due to your untiring efforts and patience in drawing out what little there was in me."
February 16, 1911	Letter to Pammel	"I have received nothing from you in a very long while. Please do not forget your old pupil."
August 18, 1911	Letter to Pammel	Good to hear from Pammel.

Date		Description
August 28, 1911	Letter from Pammel	Sending several pamphlets.
August 31, 1911	Letter to Pammel	Acknowledges "your favor of recent date."
September 22, 1911	Letter to Pammel	Thanks for "Talk on Weeds."
March 13, 1914	Letter from Pammel	Pammel sent his <u>The Weed Flora of Iowa</u> , No. 4 to Carver. Other Botanists often refer to the excellence of this bulletin and the one on Poisonous Plants. Carver wrote to Pammel that he was very proud of him.
March 28, 1914	Letter to Pammel	"I was indeed deeply grieved on picking up a copy of <u>The Alumnus</u> for March and noting that you have been south, in fact had been all around me and didn't stop."
March 31, 1914	Letter from Pammel	Apologizes for not stopping and explains why.
April 4, 1914	Letter to Pammel	"It would be one of the crowning achievements of my life to have you visit me here."
July 18, 1914	Letter from Pammel	Asks Carver to employ someone to collect specimens for Pammel.
July 27, 1914	Letter to Pammel	Promises to get specimens if possible, but crop this year suffers because of drought.
August 24, 1914	Letter to Pammel	Has man collecting specimens.
August 29, 1918	Letter to Pammel	"I certainly consider it a distinct honor to have been a pupil of yours...you influenced my life possibly more than anyone else for which I am more grateful than my words can express." "P. S. I am sending you under separate cover my latest bulletin which deals with the food situation as it applies to the tomato."
May 30, 1918	Letter to Pammel	Congratulates Pammel on his book.
July 9, 1918	Letter to Pammel	Thanks for sending botanical papers.
July 23, 1918	Letter to Pammel	Offers to donate fungi collections to ISU.
August 28, 1919	Letter from Pammel	Will appreciate receiving collection.

Date		Description
September 13, 1919	Letter to Pammel	"For many years I have felt every year that next year will be easier for me, but instead it becomes more strenuous, responsibilities (sic) are greater and naturally the work multiplies."
September 24, 1919	Letter from Pammel	"Mrs. Pammel, Lois, Harold, and myself constitute the only part of the family at home now. Lois and Harold are in college."
September 29, 1919	Letter from Pammel	Thanks for fungi collection.
November 6, 1919	Letter to Pammel	Sending more fungi.
December 1, 1919	Letter from Pammel	More fungi arrived this morning.
December 6, 1919	Letter to Pammel	"I presume the package was censored the reason that one end was opened; down here there is considerable trouble with reference to people sending whiskey and alcohol through the mail..."
December 13, 1919	Letter from Pammel	Acknowledges letter of December 6.
January 12, 1920	Letter to Pammel	"You will never know in this world just what your life has meant to me."
March 13, 1920	Letter from Pammel	Thanks for fungi specimens.
April 17, 1920	Letter to Pammel	Will send more specimens when acquired.
September 13, 1920	Letter to Pammel	Thanks for favor of recent date.
May 25, 1921	Letter from Pammel	Will be leaving for Montgomery, Alabama this Friday.
May 25, 1921	Letter to Pammel	Request to stop at Tuskegee on return to Iowa.
May 29, 1921	Letter to Pammel	Eagerly awaits Pammel's visit.
June 11, 1921	Letter to Pammel	This letter shows Carver's charm in his simplicity, honesty and sweetness. "When you was going out of your way to help a poor insignificant black boy, you were giving many 'cups of cold water' in His name." Rather beautifully expressed!

Date		Description
June 17, 1921	Letter to Pammel	Acknowledges receipt of letter.
June 18, 1921	Letter to Pammel	Has received articles written by Pammel for <u>Ames Tribune</u> .
July 15, 1921	Letter to Pammel	"Thank you very much for your interest and efforts in the matter, we will bide our time for next meeting possibly."
July 18, 1921	Letter from Pammel	"I am glad to have the powen (sic) and also glad to know that your students are appreciating your services."
March 21, 1922	Letter from Pammel	Sending <u>Ames Evening Tribune</u> .
March 26, 1922	Letter to Pammel	"You will never know in this world how supremely happy I was to see you last summer."
March 31, 1922	Letter from Pammel	Requests history of Carver's stay at ISU.
April 17, 1922	Letter from Pammel	Letter introducing Rev. LeRoy Burroughs.
May 5, 1922	Two Letters to Pammel	Sending information Pammel requested for College History.
May 18, 1922	Letter from Pammel	Thanks for answering request.
May 22, 1922	Letter to Pammel	"Much of my success is due to the constant touch and advice you have given me since I left the school."
May 31, 1922	Letter from Pammel	Pammel asked Carver for an autobiographical sketch as well as his opinions about various faculty at Iowa State College. The reply came from Carver. These two letters are a must.
June 4, 1922	Letter to Pammel	"I think your trip down here and the article you have written have done much towards opening the doors for me."
June 13, 1922	Letter from Pammel	"I hope we may see you at Ames when I complete my 35 th year of service to the College."
June 16, 1922	Letter to Pammel	Will be glad to attend 35 th Anniversary.
June 23, 1922	Letter from Pammel	Will send "word in due course of time."
June 27, 1922	Letter to Pammel	"I certainly shall strain a point to come."
January 24, 1923	Letter from Pammel	Letter introducing Mr. Lin.

Date		Description
April 24, 1923	Letter to Pammel	Wants to know the possibility of receiving honorary doctorate from ISC, since some other schools are considering the idea, but Carver would really only appreciate it from ISC.
May 3, 1923	Letter from Pammel	Pammel has written Committee on Honorary Degrees.
May 5, 1923	Letter to Pammel	"I did not mean that you should do this, I simply wanted the information that I might qualify if I could."
May 10, 1923	Letter from Pammel	Acknowledges letter of May 5.
July 6, 1923	Letter to Pammel	Letter introducing John W. Sutton.
July 6, 1923	Letter to Pammel	"I certainly thank you for you efforts to secure the degree. I am sorry that it caused you so much trouble."
July 11, 1923	Letter from Pammel	Acknowledges letter of July 6.
July 15, 1923	Letter to Pammel	Answers Pammel's letter of July 11.
August 24, 1923	Letter to Pammel	Would like someone from ISC to attend awarding of Spingarn Medal at Kansas City.
September 5, 1923	Letter from Pammel	Received letter too late to send representative to Kansas City.
September 8, 1923	Letter to Pammel	Sends letterhead for the Carver Products Company.
September 18, 1923	Letter from Pammel	Glad to get letter of September 8.
September 25, 1923	Letter to Pammel	Sending newspaper clipping from Kansas City paper.
October 2, 1923	Letter from Pammel	Sending requested copy of <u>Ames Tribune</u> .
February 11, 1924		Report by Pammel of conversation with Carver at Tuskegee. He reports that he went through his lab and saw some of his new discoveries. He had several new dyes made from the sweet potato, soybean, etc. Then he showed him samples of mineral paints made from mineral clays. (One to be used for painting cars red.)
February 22, 1924	Letter to Pammel	Expression of Carver's feelings toward Pammel's impending retirement.
March 5, 1924	Letter to Pammel	"Dr. Pammel, it is impossible for me to make you understand how happy I was to see you and see you looking so well."

Date		Description
March 5, 1924	Letter to Pammel	Re Carvers work on clay. He (Carver) felt the work on clay the biggest he had been able to do. (Far reaching in possibilities.)
March 31, 1924	Letter to Pammel	Sending Pammel a few pecans.
April 21, 1924	Letter from Pammel	Acknowledges receipt of pictures, brochure, etc.
May 12, 1924	Letter to Pammel	Thanks for "good letter" and sending paint and dye products.
May 14, 1924	Letter to Pammel	Very good letter about dyes and paint. He sent Pammel three samples: "1. is made from rotten sweet potatoes, 2. is made from Velvet Beans, 3. is made from Chinaberry seeds." He remarks about the beautiful colors.
May 20, 1924	Letter from Pammel	Will place the sample colors in college collection.
May 22, 1924	Letter from Pammel	"I am glad of the fact that it was my privilege to guide you in you work at Ames...You are a great credit not only to the colored race but to the college."
May 22, 1924	Letter to Pammel	"I am especially anxious to hear more in detail of your 35 th Anniversary. Had I known it in time I would have tried to come."
June 6, 1924	Letter from Pammel	Thanks for letter of May 22.
June 8, 1924	Letter to Pammel	"I wish so much I could have been at that cosmopolitan dinner, I would have taken great pleasure in telling them to whom I owed a deeper debt of gratitude for my success..."
June 18, 1924	Letter from Pammel	"...I appreciate the many kind things you say, from the bottom of my heart."
June 26, 1924	Letter to Pammel	Acknowledges letter of June 18.
July 1, 1924	Letter from Pammel	Acknowledges letter of June 26.
September 9, 1924	Letter to Charlotte M. King	Answers King's request for information on a musical instrument called the Reeds of Pan.
December 19, 1924	Letter from Pammel	Letter recommending William T. Wells.
December 22, 1924	Letter from Pammel	Acknowledges a copy of a letter sent to New York <u>Times</u> November 24.

Date		Description
December 26, 1924	Letter to Pammel	Answers question regarding exactly what two degrees Carver received from ISC.
March 11, 1925	Letter to Pammel	Describes his visit to Cornell University, Ithaca, New York.
April 14, 1925	Letter from Pammel	Acknowledges sentiments expressed in the March 11 letter.
March 29, 1925	Letter to Pammel	More about trip to Cornell.
April 3, 1925	Letter from Pammel	Answers question regarding sclerotinia fructigena on the plum.
September 8, 1926	Letter to Pammel	Comments on article about Pammel in August <u>Alumnus</u> . Asks question about sex characteristics of trees.
September 14, 1926	Letter from Pammel	Answers question on sex characteristics of trees.
September 20, 1926	Letter to Pammel	"We have with us now one of your students, Mr. Romm. He has recently come to us and brings such glowing accounts of your work and all he has gotten out of it."
September 24, 1926	Letter from Pammel	Acknowledges letter of September 20.
October 2, 1926	Letter to Pammel	Thanks for favor.
October 6, 1926	Letter from Pammel	Needs more information to answer letter of October 2.
October 8, 1926	Letter to Pammel	Supplies needed information.
October 10, 1926	Letter from Pammel	Pammel not able to help.
October 15, 1926	Letter to Pammel	Acknowledges letter of October 12.
November 24, 1926	Letter from Pammel	Inquires where Carver received prefix "Dr.".
November 26, 1926	Letter to Pammel	Explains how title of "Dr." came to be applied to himself.
November 30, 1926	Letter from Pammel	Sending a copy of "Prominent Men I Have Met."
December 8, 1926	Letter to Pammel	Carver expresses his reaction to the volume.

Date		Description
December 13, 1926	Letter from Pammel	"I am so glad and pleased to receive your letters. It does me good to receive letter of this kind. They are highly prized."
January 11, 1927	Letter to Pammel	"I was in Windsor, North Carolina during the entire holiday season, where I had my 193 peanut products on exhibition."
January 24, 1927	Letter from Pammel	"Glad to hear from you." Will send park bulletins.
January 31, 1927	Letter to Pammel	Asks Mr. & Mrs. Pammel to stop at Tuskegee on way back to Iowa.
February 8, 1927	Letter from Pammel	Thanks for materials for the College History Committee.
February 16, 1927	Letter to Pammel	Don't forget to stop on way back to Iowa.
February 16, 1927	Letter to Miss Hansen	Acknowledges receipt of Park Bulletins.
February 28, 1927	Letter from Pammel	Will not be able to stop at Tuskegee.
February 28, 1927	Letter from Pammel	"I read with much interest 'A Scientist in God's Workshop.' "
March 3, 1927	Letter to Pammel	"Mr. Romm extends to you greetings. I am urging him to return to Ames next year and finish his work. I think that it is his plan to do so."
March 10, 1927	Letter from Pammel	Acknowledges "fine letter" and reiterates they will not be able to stop.
March 18, 1927	Letter to Pammel	"I had a trip yesterday through the country about 12 miles, and really enjoyed it, I walked about 10 miles and seemed to suffer no ills from the effect of the trip and the long walk."
March 26, 1927	Letter from Pammel	Comments on avocada flower mentioned in Carver letter.
March 29, 1927	Letter to Pammel	Acknowledges receipt of March 26 letter.
April 26, 1927	Letter from Pammel	Thanks for Campus Digest.
March 14, 1928	Letter to Carver from J. W. Holley	Invitation to a conference at Albany, Georgia of the Pecan Exchange.
March 20, 1928	Letter to Carver from Dillard Jacobs	Thanks for visit to your laboratory.

Date		Description
March 23, 1928	Letter to Pammel	Reaction to Mr. & Mrs. Pammel's surprise visit, and "I find so many wonderful possibilities here in the south, indeed I believe the south is the richest section of the U. S. in undeveloped resources."
April 10, 1928	Letter to Pammel	Visit of Mr. & Mrs. Pammel was a "great inspiration." Mr. Romm plans to return and finish his work.
May 7, 1928	Letter to Pammel	Relates events at a lecture at V. P. I., Blacksburg, Virginia, and the growth of an amaryllis hybrid.
May 4, 1928	Letter from Pammel	Interested in Carver's work with hybrid amaryllis.
May 30, 1928	Letter to Pammel	Sends copy of a write-up of one of his talks.
June 23, 1928	Letter to Pammel	"I am improving still from my accident and believe before many weeks that I will be myself again."
June 27, 1928	Letter from Pammel	Will send article about Carver from Ames <u>Tribune</u> .
July 15, 1928	Letter to Pammel	Reacts to article Pammel wrote about Carver - - "It seems so impossible for me to even get within hailing distance of all these beautiful things you have said that I say to myself, surely Dr. Pammel cannot be talking about me."
July 21, 1928	Letter from Pammel	"...I am glad you liked the little article."
July 23, 1928	Letter to Pammel	Sends his greetings and thanks for pamphlets.
August 2, 1928	Letter to Pammel	Will send copies of articles when printed.
August 28, 1928	Letter from Pammel	Thanks for specimen and printed article.
August 31, 1928	Letter to Carver from P. P. Claxton	Tulsa, Oklahoma Board of Education "is naming the new Junior High School for Negro children 'The G. W. Carver School'."
September 11, 1928	Letter to Pammel	Regards reprint of one of Pammel's letters.
September 18, 1928	Letters from Pammel	"Glad to known of your continued success and always interested in your work."
November 15, 1928	Letter to Pammel	Will send paper as soon as it comes from printer.

Date	Description
November 20, 1928	Letter from Pammel Will be glad to receive copies when ready.

Appendix 2

L. H. Pammel Articles from Box 22, Folder 1 to Box 22, Folder 9

Box	Folder	Title	Dates
22	1	An Annual White Sweet Clover	n. d.
22	1	About Bacteriology (Anthony van Leewenhoek)	n. d.
22	1	Aldrovandi	1927
22	1	Arbor Day	n. d.
22	1	"The Arbor Day Park and Conservation Movement in Iowa." <u>Annals of Iowa</u> , v. 17, nos. 2-4.	1929
22	1	Arthur, Dr. Joseph Charles	n. d.
22	1	Article about Dr. C. E. Bessey	n. d.
22	1	Article on John Coulter	n. d.
22	2	Beautiful Iowa	n. d.
22	2	Behring, Emil von (Necrology)	ca. 1917
22	2	Better Iowa	n. d.
22	2	Biographical Sketch II	n. d.
22	2	The Black Walnut Mutant	ca. 1918
22	2	The Botany of Crop Plants	ca. 1917
22	2	"The Botany of the Rio Grande Valley and Adjacent Mexico." <u>Proceedings of the Iowa Academy of Science for 1924</u> , v. 31:45-68.	1924
22	2	"Charter Members of the Iowa Academy of Science"	n.d.
22	2	"Comparative Study of the Weeds of Central Iowa, Northern Minnesota and Wisconsin." <u>Proceedings of the Iowa Academy of Science</u> , v. 22.	1915
22	2	Cotton Root Rot	1928
22	2	Darwin, Charles	n. d.

Box	Folder	Title	Dates
22	2	Distinctive Phases of Progress Made in the College Since 1892	n. d.
22	3	"Ecological Notes in the Arapahoe Mountains near Fraser, Colorado." <u>Proceedings of the Iowa Academy of Science for 1924</u> , v. 31:133.	1924
22	3	An Ecological Study of the Big Stone and Lake Traverse Region of the Dakotas and Minnesota	n. d.
22	3	Effect of Winter on Shrubs at Ames, Iowa	n. d.
22	3	The Extermination of the Barberry to Prevent Crop Leakage Because of Rust	n. d.
22	3	"Exterminating Quack Grass"	1909
22	3	"Field, Dr. Archelaus G." <u>Proceedings of the Iowa Academy of Science for 1924</u> , v. 31:37-41.	1924
22	3	Fink, Dr. Bruce	1927
22	3	"The Flora of Pine Hollow, Dubuque County, Iowa." <u>Iowa Academy of Science</u> , v. 30:263-277.	1923
22	3	Floyd, Charles and Codder, John	n. d.
22	3	For Better Iowa, "Fungus Diseases of the Sugar Beet." <u>Bulletin No. 15</u> , Iowa Agricultural Experiment Station, Ames	n. d.
22	3	"Further Studies of the Germination and Juveniles Forms of Some Trees and Woody Shrubs, 1927." <u>Proceedings of the Iowa Academy of Science for 1928</u> , v. 35:169-183.	1928
22	3	"Further Studies of the Germination of Woody Plants." <u>Proceedings of the Iowa Academy of Science for 1924</u> , v. 31:157-167.	1924
22	4	German Universities	n. d.
22	4	"The Germination and Juvenile Forms of Some Oaks." <u>Proceedings of the Iowa Academy of Science</u> , v. 24:367-391.	1917
22	4	"Germination of Some Pines, and Other trees." <u>Iowa Academy of Science</u> , v. 32:123-132.	1925
22	4	"Germination of Trees and Shrubs." <u>Proceedings of the Iowa Academy of Science for 1929</u> , v. 36:201-211.	1929
22	4	"Germination Studies of Some Trees and Shrubs, 1928." <u>Proceedings of the Iowa Academy of Science for 1928</u> , v. 35:184-197.	1928

Box	Folder	Title	Dates
22	4	"The Grasses of the Uintak Mountains and Adjacent Regions." <u>Proceedings of the Iowa Academy of Science</u> , v. 10:57-68.	1903
22	4	"Grasses of the National Forest of the Rockies." <u>Ames Forester</u>	1914
22	4	Gray, Dr. Asa	n. d.
22	4	"Heights of Weeds." <u>Proceedings of the Iowa Academy of Science for 1929</u> , v. 36:221-231.	1929
22	4	Herbarium Specimen Collecting	n. d.
22	4	"History, Bibliography and Glossary of Weeds." <u>Iowa Geological Survey</u> , Bulletin no. 4, 1913, pp. 817-872.	1913
22	4	How to Destroy Weeds	n. d.
22	4	"How to Spend a Vacation." <u>Proceedings of the Iowa State Horticultural Society</u> , 1901. c. 36:535-536.	1901
22	4	International Congress of Universities	n. d.
22	4	"Introduced Planrs of the Clear Creek Canon, Colorado"	
22	4	Introduction – about Asa Gray	1925
22	4	"Iowa Botanist Says Common Weeds Costly." <u>Des Moines Register</u> , December 20, 1928.	1928
22	5	"James, Dr. Edwin." <u>Annals of Iowa</u> , v. 8:161-185; 277-295.	ca. 1870
22	5	Johnson Grass as a Weed in Southwestern Iowa	ca. 1918
22	5	Jones, Dr. R. L.	n. d.
22	5	Koerner's Memoirs (Torch Press)	n. d.
22	5	Lacey, Major John. F.	ca. 1920
22	5	Leaves and Dead Trees	n. d.
22	5	Library of Congress	1915
22	5	"Major John F. Lacey and the Conservation of Our Natural Resources." <u>Proceedings of the Iowa State Horticultural Society</u> , v. 48:107-112.	1914
22	5	"Marsh Cress, A Bad Weed," Circular No. 120, Ag. Exp. Station Iowa State College of Agriculture and Mechanic Arts. Nov. 1929.	1929

Box	Folder	Title	Dates
22	5	"Marsh Cress, Its Geography and Ecology in Iowa." <u>Proceedings of the Iowa Academy of Science for 1928</u> , v. 35:157-167.	1928
22	5	Mead, Dr. Samuel B.	n. d.
22	5	Men of Today and Their Works	n. d.
22	5	"The Methods for Exterminating Milkweed, Horse Nettle, Dropseed Grass, Cocklebur, Fox tail, Squirrel tail, Mustard, Butter-print and Morning-glory." <u>Press Bulletin no. 13</u> , Exp. Station ISC, May 1909.	1909
22	5	Miscellaneous Notes on Fungus Diseases	n. d.
22	6	"Native and Cultivated Forest Trees and Shrubs of the Missouri River Basin." <u>Proceedings of the Iowa Academy of Science</u> , v. 22:23-56.	1907
22	6	"Native Shrubs of Iowa." <u>Proceedings of the Iowa State Historical Society</u> , v. 22:23-56.	1907
22	6	"Notes on Eradication of Weeds, with Experiments made in 1907 and 1908." <u>Bulletin 105U. Exp. Station ISC</u> , July 1909.	1909
22	6	"Notes on the Bacteriological Analysis of Water." <u>Proceedings of the Iowa Academy of Sciences</u> , v. 8.	1901
22	6	Notes on the Flora of Lake Vermillion Minnesota	n. d.
22	6	"Notes on the Flora of Yosemite and Adjacent Regions." <u>Iowa Academy of Science</u> , v. 28:245-255.	1922
22	7	"Did Lake Vegetation in Hamilton County, Iowa." <u>The Plant World</u> , v. 2, No. 3, December 1898.	1898
22	7	On the Conservation Conference of Governors	n. d.
22	7	On the Germination of Some Oaks	n. d.
22	7	"On the Seed-Coats of the Genus Euphorbia." <u>Transactions of the St. Louis Academy of Science</u> , v. 5, No. 3, January 5, 1891.	1891
22	7	"On the Seeds and Testa of Some Cruciferae." <u>American Monthly Microscopical Journal</u>	n. d.
22	7	"On the Structure of the Testa of Several Leguminous Seeds." <u>Bulletin of the Torrey Botanical Club</u> , February 1886.	1886
22	7	Outstanding Points of the Department of Botany	n. d.

Box	Folder	Title	Dates
22	7	"Our Campus, Its Planning and Growth." <u>Horizons</u> , v. 6 Nos. 3-4:13-40.	1930
22	7	"Our Native Plants." <u>Proceedings of the Iowa Academy of Science for 1925</u> , v. 32:115-121.	1925
22	7	Paarman, J. H.	ca. 1928
22	7	Parks (partial)	n. d.
22	7	Parks and Play Grounds	ca. 1920's
22	7	"Parks for the People." <u>Transactions of the State Historical Society</u> , v. 58:37-39.	1924
22	7	Pharmacy in LaCrosse and Vicinity	n. d.
22	7	Phi Kappa Phi - Illinois Wesleyan University	n. d.
22	7	"Pollination of Clover." <u>Iowa Academy of Science</u> , v. 18:35-45.	1911
22	7	The Prairie	n. d.
22	8	"Recent Literature on Fungous Diseases of Plants." <u>Proceedings of the Iowa State Horticultural Society</u> , v. 49:223-241.	1915
22	8	Report on Proposed Arboretum Chippiannock Cemetery, Rock Island, Illinois	1927
22	8	Roosevelt, Theodore: the Conservationist	n. d.
22	8	Seeds Produced by Weeds	n. d.
22	8	Sherwood, Henry Noble	n. d.
22	8	"Shrubs of the McGregor District." <u>Iowa Academy of Science</u> , v. 28:268-271.	1921
22	8	"Some Changed Conditions of Our Flora Incident to the Settlement of the State." <u>Proceedings – 22nd Annual Meeting of Society for Promotional Agricultural Science</u> , 1901, pp. 1-6.	1901
22	8	"Some Fungus Diseases Common in Iowa During the Season of 1904." Read before the Society for the Promotion of Agricultural Science at its Annual Meeting held at Philadelphia, 1905.	1905
22	8	"Some notes on the Flora of Forest and Florence Counties, Wisconsin and Iron County, Michigan." <u>Iowa Academy of Science</u> . July 8, 1924.	1924

Box	Folder	Title	Dates
22	8	"Some Seed Studies." Delivered at the 28 th Annual Meeting of the Society for the Promotion of Agricultural Science.	1907
22	8	"Some Seed Studies Made During 1908." Delivered the 29 th Annual Meeting of the Society for the Promotion of Agricultural Science.	1908
22	8	Some Story County Statesmen	n. d.
22	8	"The Species of Rhamnus in Southwestern United States and the Pacific Coast and Puccinia Coronata." <u>Iowa Academy of Science</u> , v. 29:267-270.	1922
22	8	"Squirrel Tail Grass or Wild Barley." <u>Circular No. 52</u> , Iowa Agricultural Exp. Station, May 1918.	1918
22	8	"Some Ecological Notes on the Vegetation of the Uintah Mountains." <u>Proceedings of the Iowa Academy of Sciences</u> , v. 10.	n. d.
22	8	"Some Municipal Water Problems." <u>Proceedings of the Iowa Academy of Sciences</u> , v. 14.	n. d.
22	8	Some Texas Weeds. (Original Manuscript).	n. d.
22	8	"Some Unusual Fungus Diseases in Iowa During the Summer of 1903." <u>Proceedings of the Society for the Promotion of Agricultural Science</u> , 1904.	1904
22	9	"Teaching of Biology in Junior Colleges and High Schools." <u>Proceedings of the Iowa Academy of Science for 1928</u> , v. 35:333-336.	1928
22	9	Test Your Clover and Timothy Seed.	n. d.
22	9	"The Thistles in Iowa." <u>Proceedings of the Iowa Academy of Sciences</u> , v. 8.	1901
22	9	"Trees of the Proposed Mississippi Valley National Park." <u>Iowa Academy of Science</u> , v. 28:265-267.	1921
22	9	"A Trip Among the Rockies." <u>Report of the Iowa State Horticultural Society</u> , v. 36:333-335.	1901
22	9	"Unlawful Iowa Weeds and Their Extermination." <u>Circular 5</u> , Ag. Exp. Station ISC, December 1912.	1912
22	9	"The Use of Our Wild Flowers for the Garden." <u>Report of the Iowa Horticultural Society</u> , v. 36:168-175.	1901
22	9	Von Humboldt, Friedrich Heinrich Alexander	n. d.
22	9	Wallace, Alfred Russell	n. d.

Box	Folder	Title	Dates
22	9	"Weed Survey of Story County, Iowa." <u>Proceedings of the Iowa Academy of Science</u> , v. 21:115-118.	1914
22	9	"Weeds in the Vicinity of Elevators." <u>Circular No. 123</u> , Iowa Agri. Exp. Station, Ames, Iowa, May 1930.	1930
22	9	Weeds of the Small Grain Belt of the Northwest, Chiefly Wild Oats	n. d.
22	9	What One May See in the Way of Trees and Shrubs from A Train Window between St. Augustine, Florida and Ames, Iowa	n. d.
22	9	The Willows and Poplars of Iowa	n. d.
22	9	"What the Legislature Did With Reference to State Parks in Iowa." <u>Iowa Conservation</u> , v. 3: 14-15	1919