UNIVERSITY OF KANSAS

LIST OF PUBLICATIONS

By

MARY MAUD SMELSER
Accessions Librarian

LIBRARY SERIES
No. 1

LAWRENCE, KANSAS
Published Semimonthly
This is the first list of all the known publications of the University of Kansas, catalogues excepted, and includes bulletins to January 1, 1935. Out-of-print publications are prefixed with an asterisk.

Correspondence regarding items should be sent to the department in charge of its publication.

All material sent in exchange from universities, institutions, learned societies and libraries should be addressed to Exchange Department, Library, University of Kansas, Lawrence, Kansas.
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UNIVERSITY BULLETINS

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UNIVERSITY BULLETINS

*Vol. 1, No. 1, June 1, 1900.
Thirty-fourth annual catalogue of the University of Kansas, for the years 1899-1900.
Lawrence, Kansas. 1900. 253 p.

*Vol. 1, Nos. 2 to 4 (not published).

*Vol. 1, No. 5.
Special catalogue. Department of mining engineering. September, 1900.
(Bulletin of the department of mining engineering of the University of Kansas, for 1900-1901.)
Lawrence, Kansas. n.d. 21 p.

*Vol. 1, No. 6.
Twelfth biennial report of the board of regents and chancellor of the University of Kansas located at Lawrence. 1899-1900.

*Vol. 1, No. 7.
Some facts concerning state universities. December, 1900.
Lawrence. 1900. 12 p.

Vol. 2, No. 1 (not published).

*Vol. 2, No. 2.
Thirty-fifth annual catalogue of the University of Kansas, for the year 1900-'01. June 1. 1901.
Lawrence, Kansas. 1901. 224 p.

*Vol. 2, No. 3.
School of pharmacy. Announcements for 1901-'02.
Lawrence, Kansas. June, 1901. 31 p.

*Vol. 2, No. 4.
School of law. Announcements for 1901-'02.

*Vol. 2, No. 5.
School of medicine. Announcements for 1901-'02.

Vol. 2, Nos. 6 and 7 (not published).

Vol. 2, No. 8.
Science bulletin, vol. 1, Nos. 1, 2, 3 and 4. (Continuation of Kansas University quarterly.)
February, 1902.
*Vol. 3, No. 1.
Thirty-sixth annual catalogue of the University of Kansas for the year 1901-1902. June 1, 1902.
Lawrence, Kansas. 1902. 230 p.

*Vol. 3, No. 2.
School of pharmacy. Announcements for 1902-'03.
Lawrence, Kansas. August, 1902. 27 p.

*Vol. 3, No. 3.
The school of law. Announcements for 1902-'03.
Lawrence, Kansas. August, 1902. 21 p.

*Vol. 3, No. 4.
School of medicine. Announcements for 1902-'03.
Lawrence, Kansas. August, 1902. 21 p.

*Vol. 3, No. 5.
The graduate school. Announcements for 1902-'03.
Lawrence, Kansas. August, 1902. 35 p.

Vol. 3, No. 6.
Science bulletin, vol. 1, Nos. 4, 5, 6, 7, 8 and 9.
September, 1902.

*Vol. 3, No. 7.
School of medicine. Bulletin of the department of anatomy.
Drawings of cross-sections of the human leg.
Lawrence, Kansas. 1903. 17 p.

Vol. 3, No. 8.
Science bulletin, vol. 1, Nos. 10, 11 and 12.
December, 1902.

*Vol. 3, No. 8.
First summer session, June 11 to July 22, 1903.
n.p. By the University. April, 1903. 40 p.

*Vol. 4, No. 1.
Thirty-seventh annual catalogue of the University of Kansas for the year 1902-'03. June 1, 1903.
Lawrence, Kansas. 1903. 248 p.

*Vol. 4, No. 2.
School of medicine. Announcements for 1903-'04.

*Vol. 4, No. 3.
School of pharmacy. Announcements for 1903-'04.
Lawrence, Kansas. August, 1903. 27 p.

Vol. 4, No. 4.
The graduate school. Announcements for 1903-'04.
Lawrence, Kansas. August, 1903. 46 p.
University Bulletins

*Vol. 4, No. 5.
  High-school manual. October, 1903.
  Lawrence, Kansas. n.d. 28 p.

Vol. 4, No. 6.
  Science bulletin, vol. 2, Nos. 1, 2 and 3.
  November, 1903.

*Vol. 4, No. 6.
  Lawrence, Kansas. 1903. 108 p.

*Vol. 4, No. 6.
  High-school manual, No. V.
  Submitted to the board of regents, November, 1903.

Vol. 4, No. 7 (not published).

Vol. 4, No. 8.
  Science bulletin, vol. 2, Nos. 4, 5, 6, 7, 8 and 9.
  November, 1903.

Vol. 4, No. 9.
  Science bulletin, vol. 2, Nos. 10, 11, 12, 13, 14 and 15.
  June, 1904.

*Vol. 4, No. 10.
  Second summer session, June 9 to July 20, 1904.

*Vol. 4, No. 10a.
  Facilities for special work. March, 1904.
  Lawrence, Kansas. n.d. 7 p.

*Vol. 4, No. 10b.
  Courses in general business, banking, insurance, journalism, and domestic science.
  Lawrence, Kansas. (1904.) 8 p.

  College of liberal arts and sciences. Announcements for 1904-'05.

  The school of law. Announcements for 1904-'05.
  Lawrence, Kansas. n.d. 36 p.

*Vol. 5, No. 1, Part 3.
  The school of fine arts. Announcements for 1904-'05.
  Lawrence, Kansas. n.d. 64 p.

  The school of pharmacy. Announcements for 1904-'05.
  Lawrence, Kansas. n.d. 45 p.
*Vol. 5, No. 1, Part 5.  
The school of medicine. Announcements for 1904-'05.  
Lawrence, Kansas. n.d. 40 p.

Special catalogue of the school of engineering. Announcements for 1904-'05.  
Lawrence, Kansas. n.d. 65 p.

The graduate school. Announcements for 1904-'05.  
Lawrence, Kansas. n.d. 83 p.

*Vol. 5, No. 1.  
Thirty-eighth annual catalogue of the University of Kansas for the year 1903-'04, and announcements for the year 1904-'05.  
Lawrence, Kansas. April, 1904. 371 p.

Vol. 5, No. 2 (not published).

*Vol. 5, No. 3.  
High-school manual, No. II. October, 1904.  
Lawrence, Kansas. n.d. 79 p.

*Vol. 5, No. 4.  
Second edition. Third summer session, June 8 to July 19, 1905.  
(Lawrence, Kansas.) By the University. December, 1904. 32 p.

Vol. 5, No. 5.  
Alumni catalogue. February, 1905.  
Lawrence, Kansas. n.d. 77 p.

*Vol. 6, No. 1.  
Thirty-ninth annual catalogue of the University of Kansas for the year 1904-1905, and announcements for the year 1905-1906.  
Lawrence, Kansas. April, 1905. 410 p.

Vol. 6, No. 1, Part 1.  
The school of law. Announcements for 1905-'06.  
Lawrence, Kansas. n.d. 39 p.

*Vol. 6, No. 1, Part 2.  
The school of pharmacy. Announcements for 1905-'06.  
Lawrence, Kansas. n.d. 49 p.

Vol. 6, No. 1, Part 3.  
The school of fine arts. Announcements for 1905-'06.  
Lawrence, Kansas. n.d. 66 p.

*Vol. 6, No. 1, Part 4.  
Special catalogue of the school of engineering. Announcements for 1905-'06.  
Lawrence, Kansas. June, 1905. 77 p.
*Vol. 6, No. 2.
The school of medicine. Announcements for 1905-'06.
Lawrence, Kansas. August, 1905. 48 p.

*Vol. 6, No. 2.
High-school manual, No. III. October, 1905. Lawrence, Kansas.

Vol. 6, No. 2.
Science bulletin, vol. 3, Nos. 1, 2, 3, 4, 5 and 6.
October, 1905.

Vol. 6, No. 3.
Public speaking in the high school, with an appendix and book list.
Lawrence, Kansas.
(Topeka. State printing office. 1905.) 22 p.

*Vol. 6, No. 4.
Fourth summer session, June 7 to July 18, 1906. December, 1905.
Lawrence, Kansas. December, 1905. 34 p.

*Vol. 6, No. 5.
University views. March, 1906.
n.t.p. 32 p. Pl.

Vol. 6, No. 6.
List of pictures and books relating to the fine arts available for Kansas study club.
Lawrence, Kansas. May, 1905. 33 p.

*Vol. 7, No. 1.
Fortieth annual catalogue of the University of Kansas for the year 1905-1906, and announcements for 1906-'07.
Lawrence, Kansas. April, 1906. 474 p.

Special catalogue of the school of engineering. Announcements for 1906-'07.
Lawrence, Kansas. n.d. 95 p.

The school of law. Announcements for 1906-'07.
Lawrence, Kansas. n.d. 56 p.

The school of fine arts. Announcements for 1906-'07.
Lawrence, Kansas. n.d. 80 p.

The school of pharmacy. Announcements for 1906-'07.
Lawrence, Kansas. n.d. 56 p.
*Vol. 7, No. 1, Part 5.
The school of medicine. Announcements for 1906-'07.
Lawrence, Kansas. n.d. 88 p.

*Vol. 7, No. 2.
The school of medicine. Special announcement of the Eleanor Taylor Bell Memorial Hospital and training school for nurses, at Rosedale, Kan. For the school year 1906-'07. 14 + 1 p.

*Vol. 7, No. 3.
Lectures and addresses. Announcements for 1907.
Lawrence, Kansas. 10 p.

Vol. 7, No. 3.
Science bulletin, vol. 3, Nos. 7, 8, 9 and 10.
June, 1906.

*Vol. 7, No. 4.
Fifth summer session, June 6 to July 17, 1907.
Lawrence, Kansas. December, 1906. 36 p.

Vol. 7, No. 5.
Science bulletin, vol. 4, Nos. 1, 2, 3, 4, 5 and 6.
March, 1907.

*Vol. 7, No. 6.
The school of medicine.

*Vol. 8, No. 1.
Some reasons for the study of economics in the high school.
Lawrence, Kansas. April, 1907. 11 p.

*Vol. 8, No. 1, Part 2.
Bulletin of information and announcements for 1907-'08.
Lawrence, Kansas. May, 1907. 16 p.

*Vol. 8, No. 2.
The school of medicine. Lawrence and Rosedale, Kansas.
Topeka. State printing office. 1907. 16 p.

*Vol. 8, No. 3.
Forty-first annual catalogue of the University of Kansas for the year 1906-1907, and announcements for the year 1907-1908.
Lawrence, Kansas. April, 1907. 511 p.

The school of engineering. Announcements for 1907-'08.
Lawrence, Kansas. n.d. 100 p.

Vol. 8, No. 3, Part 2.
The school of fine arts. Announcements for 1907-'08.
Lawrence, Kansas. n.d. (1) + 89 p.
*Vol. 8, No. 3, Part 3.
School of law announcements for 1907-'08.
Lawrence, Kansas. (1) + 56 p.

Vol. 8, No. 3, Part 4 (not published).

*Vol. 8, No. 3, Part 5.
The school of medicine. Announcements for 1907-'08.
Lawrence and Rosedale, Kansas. 52 p.

*Vol. 8, No. 4.
High-school manual, No. IV. August, 1907. Lawrence, Kansas.

Vol. 8, No. 5 (not published).

*Vol. 8, No. 6.
Sixth summer session, June 11 to July 22, 1908, and July 23 to August 12
Lawrence, Kansas. December, 1907. 47 p.

*Vol. 9, No. 1.
Forty-second annual catalogue of the University of Kansas for the year
1907-'08, and announcements for the year 1908-'09.
Lawrence, Kansas. April, 1908. 11 + 518 p.

*Vol. 9, No. 1, Part 1.
School of engineering. Announcements for 1908-'09.
Lawrence, Kansas. n.d. 112 p.

*Vol. 9, No. 1, Part 2.
School of fine arts. Announcements for 1908-'09.
Lawrence, Kansas. n.d. 96 p.

Vol. 9, No. 1, Part 3.
School of law announcements for 1908-'09.
Lawrence, Kansas. 64 p.

*Vol. 9, No. 1, Part 4.
School of pharmacy. Announcements for 1908-'09.
Lawrence, Kansas. n.d. 70 p.

*Vol. 9, No. 1, Part 5.
School of medicine. Announcements for 1908-'09.
Lawrence, Kansas. n.d. 104 p.

Vol. 9, No. 2.
Alumni catalogue. March, 1908.

*Vol. 9, No. 2.
(Bulletin 8, department of entomology.) Department of entomology. con-
tribution No. 137.
Vol. 9, No. 3 (not published).

*Vol. 9, No. 4.
School of medicine. Clinical reports for the school year 1907-'08, with some announcements for the year 1908-'09. Lawrence, Kansas.
Topeka. State printer. 1908. 64 p.

*Vol. 9, No. 5.
September, 1908.

Vol. 10, No. 1.
Report of the board of regents of the University of Kansas for the biennium ending June 30, 1909, with estimates for the biennium 1909-'11.

*Vol. 10, No. 2.
University extension courses. Announcements for 1909.
Lawrence, Kansas. March, 1909. 15 p.

Forty-third annual catalogue of the University of Kansas, for the year 1908-'09, and announcements for the year 1909-'10.
Lawrence, Kansas. 1909. 8+428 p.

Seventh summer session. June 10 to July 21, and July 22 to August 11, 1909.
Lawrence, Kansas. February, 1909. 53 p.

School of medicine. Announcements for 1909-'10.
Lawrence, Kansas. n.d. 89 p.

Vol. 10, No. 3, Part 3 (not published).

School of engineering. Announcements for 1909-'10.
Lawrence, Kansas. n.d. 100 p.

Vol. 10, No. 3, Part 5.
The school of law. Announcements for 1909-'10.
Lawrence, Kansas. n.d. 59 p.

School of pharmacy. Announcements for 1909-'10.
Lawrence, Kansas. n.d. 64 p.

School of fine arts. Announcements for 1909-'10.
Lawrence, Kansas. n.d. 84 p.
Special catalogue of the graduate school. Announcements for 1909-'10.
Lawrence, Kansas. n.d. 104 p.

*Vol. 10, No. 4.
High-school manual, No. VI. August, 1909.

*Vol. 10, No. 4, Part 2.
Courses in journalism. Announcements for 1909-'10.
Lawrence, Kansas. 32 p.

*Vol. 10, No. 5.
School of medicine. Announcement of aims and policies of the school. General information for prospective medical students.
Lawrence, Kansas. 1909. 16 p.

*Vol. 11, No. 1; November, 1909.
Engineering bulletin No. 1.
Rice, Martin E.; McCollum, Burton: A ballistic electro dynamometer method of measuring hysteresis loss in iron.
McCollum, Burton: Voltage regulation of alternators.

*Vol. 11, No. 2.
University extension division. First annual bulletin of the correspondence-study department. Announcement of courses and general information. 1909-'10.

Social betterment series, No. 1. Extension division of the University of Kansas. General information and welfare.
Blackmar, Frank W.: Playgrounds and parks.

*Vol. 11, No. 3.
Eighth summer session, June 9 to July 20, and July 21 to August 10, 1910.
Lawrence, Kansas. January, 1910. 43 + (1).

*Vol. 11, No. 4.
High-school manual, No. VII.

*Vol. 11, No. 5, February, 1910.
Forty-fourth annual catalogue of the University of Kansas for the year 1909-1910, and announcements for the year 1910-1911.
Lawrence, Kansas. April, 1910. 9 + 499 p.
*Vol. 11, No. 6, March, 1910.

*Vol. 11, No. 7.
Science bulletin, vol. 5, Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11. April, 1910.

*Vol. 11, No. 8, May, 1910.

*Vol. 11, No. 9, June, 1910.


*Vol. 11, No. 11, August, 1910.

*Vol. 11, No. 12, September, 1910.
Lecture-study department. Extension division of the University of Kansas. Announcement of extension lecture courses and general information. Lawrence, Kansas. (1910.) 31 + (1).

*Vol. 12, No. 1, October, 1910.
Sayre, L. E.: An investigation of millet, with a view of determining the poisonous qualities, if any. Lawrence, Kansas. (1910.) 8 p.

Vol. 12, No. 2, November, 1910.

*Vol. 12, No. 3, December, 1910.
University Bulletins

*Vol. 12, No. 4, January, 1911.
Correspondence-study department. Extension division of the University of Kansas. Announcement of correspondence courses and general information.

*Vol. 12, No. 5, January 15, 1911.
Ninth summer session of the University of Kansas. June 8 to July 19, and July 20 to August 9, 1911.
Lawrence, Kansas. (1911.) 48 p.

*Vol. 12, No. 6, February 1, 1911.
The graduate school. Catalogue 1910-'11.
Lawrence, Kansas. University of Kansas. n.d. 72 p.

*Vol. 12, No. 7, March 1, 1911.
Announcement of the school of education, 1911-'12.

*Vol. 12, No. 8, April, 1911.
Forty-fifth annual catalogue of the University of Kansas for the year 1910-1911, and announcements for the year 1911-1912.
Lawrence, Kansas. April, 1911. 8 + 518 p.

Vol. 12, No. 9 (not published).

Vol. 12, No. 10, April 1, 1911.
The school of law. Announcements for 1911-12.

Vol. 12, No. 11, April 15, 1911.
School of engineering. Announcements for 1911-12.

Vol. 12, No. 12 (not published).

*Vol. 12, No. 13, May 15, 1911.
The school of fine arts. Announcements for 1911-12.
Lawrence, Kansas. University of Kansas. n.d. 48 p.

*Vol. 12, No. 14, June 1, 1911.
The school of medicine. Announcements for 1911-12.

*Vol. 12, No. 15, September 1, 1911.
Debating series No. 3. Extension division of the University of Kansas.
Debating and public discussion. Announcement of the Kansas high-school debating league for 1911-1912.

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*Vol. 13, No. 1, October 1, 1911.
High-school manual No. 10, department of school visitation of the University of Kansas. Annual report on school visitation.
Lawrence, Kansas. n.p. (1911.) 63 p.

Vol. 13, No. 2, November 1, 1911.
Science bulletin, vol. 5, Nos. 12, 13, 14, 15, 16, 17, 18, 19, 20, 21.
Zoology number.

Vol. 13, No. 3, December 1, 1911.

*Vol. 13, No. 4, January 1, 1912.
Correspondence-study department. Extension division of the University of Kansas. Announcement of correspondence courses and general information.
Lawrence, Kansas. University of Kansas. n.d. 75 p.

*Vol. 13, No. 5, January 15, 1912.
Professional directory of administrators and teachers in accredited high schools of Kansas, issued by the school of education.

*Vol. 13, No. 6, February 1, 1912.
Tenth summer session of the University of Kansas, June 6 to July 17, and July 18 to August 7, 1912.
Lawrence, Kansas. (1912.) 47 + (1) p.


*Vol. 13, No. 8, March 1, 1912.
Announcements of the school of medicine, 1912-13.

Vol. 13, No. 9, March 15, 1912.
Announcements of the school of fine arts, 1912-13.
Lawrence, Kansas. University of Kansas. n.d. 45 p.

*Vol. 13, No. 10, April 1, 1911.
Forty-sixth annual catalogue of the University of Kansas for the year 1911-12 and announcements for the year 1912-13.
Lawrence, Kansas. 1912. (8) + 500 p.

Vol. 13, No. 11, April 15, 1912.
Announcement of the school of law, 1912-13.
Lawrence, Kansas. University of Kansas. n.d. 18 p.

*Vol. 13, No. 12, May 1, 1912.
Lecture-study department. Extension division of the University of Kansas. Announcement of extension lecture courses and general information.
University Bulletins


Announcements of the school of engineering, 1912-'13.

Vol. 13, No. 14, June 1, 1912.

Announcements of the graduate school, 1912-'13.

Vol. 13, No. 15, June 15, 1912.

Announcements of the school of pharmacy, 1912-'13.
Lawrence, Kansas. University of Kansas. n.d. 33 p.

*Vol. 13, No. 16, July 1, 1912.

Engineering bulletin No. 2.
Walker, P. F.: Natural gas; its properties, its domestic use, and its measurement by meters.

Vol. 13, No. 17 (not published).

*Vol. 13, No. 18, September 1, 1912.

Debating series No. 4. Extension division of the University of Kansas. Debating and public discussion. Announcements of the Kansas high-school debating league for 1912-'13.

Vol. 14, No. 1, October 1, 1912.

Humanistic studies, vol. 1, No. 1.
Croissant, DeWitt C.: Study in the work of Colley Cibber.

Vol. 14, No. 2, November 1, 1912.

Report of the board of regents of the University of Kansas, for the biennial period ending June 30, 1912.

*Vol. 14, No. 3, December 1, 1912.

Report of the work of the Bell Memorial Hospital at Rosedale, Kansas, from October 23, 1911, to October 23, 1912.

*Vol. 14, No. 4, January 1, 1913.

Correspondence-study department. Extension division of the University of Kansas. Announcement of correspondence courses and general information.
Lawrence, Kansas. University of Kansas. n.d. 75 p.


Engineering bulletin No. 3.
Bohnstengel, Walter: Discussion of sulphur content of bituminous coal.
Vol. 14, No. 6, February 1, 1913.
School of education. Professional directory of administrators and teachers in accredited high schools of Kansas.

Catalogue of the summer session, University of Kansas, 1913.
Lawrence, Kansas. February 15, 1913. 47 p.

*Vol. 14, No. 8, March 1, 1913.
Forty-seventh annual catalogue of the University of Kansas for the year 1912-13, and announcements for the year 1913-14.
Lawrence, Kansas. April, 1913. 8 + 526 p.

*Vol. 14, No. 9, March 15, 1913.
Announcements of the school of pharmacy, 1913-14.

Vol. 14, No. 10, April 1, 1913.
Announcements of the school of education, 1913-14.
Lawrence, Kansas. University of Kansas. 40 p.

Vol. 14, No. 11, April 15, 1913.
School of engineering. Announcements for 1913-14.
Lawrence, Kansas. University of Kansas. n.d. 79 p.

Vol. 14, No. 12, May 1, 1913.
Announcements of the school of medicine, 1913-14.

Announcements of the school of fine arts, 1913-14.
Lawrence, Kansas. University of Kansas. n.d. 48 p.

*Vol. 14, No. 14, June 1, 1913.
Announcements of the graduate school, 1913-14.
Lawrence, Kansas. University of Kansas. n.d. 70 p.

Announcements of the school of law, 1913-14.
Lawrence, Kansas. University of Kansas. n.d. 23 p.

Vol. 14, No. 16, July 1, 1913.
Science bulletin, vol. 6, Nos. 2, 3, 4, 5, 6, 7.

*Vol. 14, No. 17, August 1, 1913.
Debating series, No. 5. Extension division of the University of Kansas Debating and public discussion. Announcements of the Kansas high-school debating league, 1913-14.
Lawrence, Kansas. University. n.d. 64 p.
University Bulletins

*Vol. 14, No. 18, September 1, 1913.

*Vol. 15, No. 1, October, 1913.
Engineering bulletin No. 4.
Shaad, George C.; Walker, P. F.: Part 1—The organization and work of the engineering experiment station of the University of Kansas. Part 2—Vocational education in Kansas, with courses of study now offered by the University school of engineering. University engineering experiment station, Lawrence, Kansas.
(Topeka, Kansas. State printer, 1914.) (2) + 23 + (3) + 4 + 23 p. II.

*Vol. 15, No. 1, October, 1913.
Engineering bulletin No. 4; part II (issued as a separate). Announcement of vocational industrial courses for home study, offered by the school of engineering through the university extension division. University engineering experiment station, Lawrence, Kansas.
(Topeka. State printer, 1914.) (2) + 23 p.

Vol. 15, No. 2, November 1, 1913.
Lawrence, University. 1913.

*Vol. 15, No. 3, December 1, 1913.
Political science series, No. 2. Extension division of the University of Kansas. Debating and public discussion. Recall of judges. 50 p.

Vol. 15, No. 4, January 1, 1914.
Humanistic studies, vol. 1, No. 2.

*Vol. 15, No. 5, January 15, 1914.
Correspondence-study department. Extension division of the University of Kansas. Announcement of correspondence courses and general information.

Vol. 15, No. 6, February 1, 1914.
Alumni catalogue. February 1, 1914.

Catalogue of the summer session. University of Kansas, 1914. Lawrence, Kansas.
*——, March 1, 1914.
Announcements of the school of education, 1914-’15. Lawrence, Kansas.

*——, March 1, 1914.
Announcements of the school of fine arts, 1914-’15.

*——, March 1, 1914.
Announcements of the graduate school, 1913-’14. Lawrence, Kansas.

*——, March 1, 1914.
Announcements of the school of law, 1914-’15. Lawrence, Kansas.

*——, March 1, 1914.
Announcements of the school of medicine, 1914-’15. Lawrence, Kansas.

*——, March 1, 1914.
Announcements of the school of pharmacy, 1914-’15. Lawrence, Kansas.

*Vol. 15, No. 8, March 1, 1914.
Forty-eighth annual catalogue of the University of Kansas for the year
1913-’14, and announcements for the year 1914-’15.
Lawrence, Kansas. April, 1914. 8 + 558 p.

Vol. 15, No. 9, March 15, 1914.
Science bulletin, No. 8, Nos. 1-10. Entomology number.
Lawrence. University. 1914.

Vol. 15, Nos. 10 to 12 (not published).

Humanistic studies, vol. 1, No. 3.
Hogrefe, Pearl: Browning and Italian art and artists.

Vol. 15, No. 14 (not published).

*Vol. 15, No. 15, June 15, 1914.
University extension series, vol. 1, No. 1. Lectures delivered at the merchants’ week, held at the University of Kansas, May 5, 6, 7, 1914.

Vol. 15, No. 16, July 1, 1914.
Josselyn, Homer Walker: Survey of accredited high schools and professional directory.

*Vol. 15, No. 17, August 1, 1914.
University extension series, vol. 1, No. 3. University extension division of the University of Kansas. Department of general information. 12 p.
*Vol. 15, No. 18, September 1, 1914.
University extension series, vol. 1, No. 2. Extension division of the University of Kansas. Debating and public discussion. Announcement of the Kansas high school debating league, for 1914-1915.

Vol. 16, No. 1, October 1, 1914.
Report of the medical work of the University of Kansas, from July 1, 1913, to July 1, 1914.

*Vol. 16, No. 2, November 1, 1914.
Child welfare department. University extension division of the University of Kansas.
McKeever, W. A.: Constructive juvenile effort in Kansas.
† The state law and the University rules for the examination of candidates for the certificate of certified public accountant.

Vol. 16, No. 3 (not published).

Vol. 16, No. 4, January 1, 1915.
Humanistic studies, vol. 1, No. 4.

Vol. 16, No. 5, September 15, 1915.
Lawrence. University. 1915.

Vol. 16, No. 6, February 1, 1915.
Catalogue of the summer session. University of Kansas. 1915. Lawrence, Kansas.

Lectures delivered at the merchants' week held at the University of Kansas, February 1, 2, 3, 4, 1915. Auspices University extension.
Topeka. State printer. 1915. (83 p.)

Vol. 16, No. 8, March 1, 1915.
Annual catalogue, 1914-1915.
Lawrence. n.d. 481 p.

Vol. 16, No. 8, March 1, 1915.

*Vol. 16, ———, March 1, 1915.

† No volume or number.
Vol. 16, No. 8, March 1, 1915.

Vol. 16, No. 8, March 1, 1915.
Annual catalogue. 1914-1915. School of fine arts. Section V. 35 p.

Vol. 16, No. 8, March 1, 1915.

*Vol. 16, No. 8, March 1, 1915.
Annual catalogue. 1914-1915. School of pharmacy. Section VII. (2) + 20 p.

*Vol. 16, No. 8, March 1, 1915.

Vol. 16, No. 8, March 1, 1915.

Vol. 16, No. 8, March 1, 1915.

*Vol. 16, No. 9, March 15, 1915.
Engineering bulletin No. 6. Kansas fuels; coal, oil, gas.
Walker, P. F.; Bohnstengel, Walter: Part I—Heating values and proximate analysis of coal. (Reprint.)
Bohnstengel, Walter: Part II—Discussion of sulphus content of bituminous coal. (Reprint.)
Young, C. M.: Part III—Economic effects of washing coal from the state mine.
Lawrence. (University of Kansas engineering experiment station.) n.d. 50 p. Table. Map.

*Vol. 16, No. 10, April 1, 1915.
Engineering bulletin No. 5.
Young, C. C.: Part 1—Ground water supplies.

*Vol. 16, No. 11, April 15, 1915.
Correspondence-study courses. University extension division.
Lawrence, Kansas. University of Kansas. n.d. 64 p.

*Vol. 16, No. 12, May 1, 1915.
University extension division. Lectures, lecture courses, concerts.

Vol. 16, Nos. 13 to 16 (not published).

*Vol. 16, No. 17, August 1, 1915.
University of Kansas. 35 p.
*Vol. 16, No. 18, September 1, 1915.
Second annual report of the state board of administration to the governor of Kansas. State educational institutions of Kansas. Period ending June 30, 1915.

(Mammals.)

(Coffee bulletin.)

Vol. 17, No. 3, February 1, 1916.
Catalogue of the summer session. University of Kansas. 1916. Lawrence, Kansas.

Vol. 17, No. 3, February.
Catalogue of the summer session. University of Kansas. 1917. Lawrence, Kansas.

Annual catalogue. 1915-1916. The College. Section III.

Annual catalogue. 1915-1916. School of fine arts. Section V. 34 p.

*Vol. 17, No. 4, March 1, 1916.

Vol. 17, No. 5, March 1, 1916.

*Vol. 17, No. 5, March 1, 1916.

Annual catalogue. 1915-1916.
Lawrence, Kansas. n.d. v.p.

*Vol. 17, No. 6, March 1, 1916.

Annual catalogue. 1915-1916. School of Pharmacy. Section VII. 18 p.

*Vol. 17, No. 8, March 1, 1916.

*Vol. 17, No. 8, April 15, 1916.
Schwab, James W.: Removal of iron from municipal water supplies.
Lawrence, Kansas. University of Kansas engineering experiment station. n.d. (2) + 41 + (1) p. II.
*Vol. 17, No. 9, March 1, 1916.

Vol. 17, No. 9, May 1, 1916.
Humanistic studies, vol. 2, No. 1.

Vol. 17, No. 11, June 1, 1916.
Engineering bulletin No. 8.
(Topeka, Kansas. State printer. 1916.) 93 p. II.

*Vol. 17, No. 11, June 1, 1916.
University extension division. Correspondence-study courses. 59 p.

*Vol. 17, No. 12, March 12, 1916.

Annual catalogue. 1915-1916. Degrees conferred, etc. Section XIII. 51 p.

Vol. 17, No. 14 (not published).

*Vol. 17, No. 15, November 1, 1916.
Report of the medical work of the University of Kansas, from July 1, 1915, to July 1, 1916. Lawrence, University of Kansas.

Vol. 17, No. 16 (not published).

*Vol. 17, No. 17, August 1, 1916.

Vol. 17, No. 18, December 1, 1916.
Humanistic studies, vol. 2, No. 2.

*Vol. 18, No. 1, October, 1917.
(Beamer, R. H.): Grasshoppers of Kansas, part 2.
(Kennedy, C. H.): Dragonflies of Kansas.
(Lawson, P. B.): Scale insects injurious to fruit and shade trees.

Science bulletin, vol. 10, Nos. 1 to 15.
Lawrence, Kansas. n.d.

Vol. 18, March 15, 1917.
Annual catalogue. 1916-1917.

Vol. 18, Nos. 3 to 7 (not published).

Vol. 18, No. 8, March 15, 1917.
Annual catalogue. 1916-1917. School of medicine. Section VIII.

Vol. 18, Nos. 9 and 10 (not published).

*Vol. 18, No. 11, June 1, 1917.
University extension division. Correspondence-study courses. 50 p.

Vol. 18, Nos. 12 and 13 (not published).

*Vol. 18, No. 14, August 1, 1917.

Vol. 18, Nos. 15 to 17 (not published).

*Vol. 18, No. 18, December 1, 1917.
Engineering bulletin No. 9. Division of state chemical research, W. A. Whitaker, director; bulletin No. 2.
Veatch, F. M.; Evans, H. P.; Jackson, L. E.: Sewage disposal in Kansas.

*Vol. 19, No. 1, January 1, 1918.
Engineering bulletin No. 11. Division of state chemical research, W. A. Whitaker, director; bulletin No. 3.

Vol. 19, No. 2, March 1, 1918.
Annual catalogue. 1917-1918.

*Vol. 19, No. 2, March 1, 1918.
General catalogue. 1917-1918. School of medicine. Section VIII.
Topeka. State printer. 1918. 27 p.

*Vol. 19, No. 3, February 1, 1918.
Catalogue of the summer session. University of Kansas. 1918. Lawrence, Kansas.
Topeka. State printer. 1918. 43 p.
Vol. 19, Nos. 4 to 10 (not published).

*Vol. 19, No. 11, June 1, 1918.
University extension division. Correspondence-study courses. 52 p.

Vol. 19, No. 12, June 15, 1918.
Engineering bulletin No. 10.
Johnson, F. Ellis: The present development of transmission lines in Kansas; with appendix; the calculation of iron wire lines.
Lawrence, Kansas. University experiment station.
(Topeka. State printer. 1918.) 53 p. II. Map.

Vol. 19, No. 13 (not published).

*Vol. 19, No. 14, August 1, 1918.

Vol. 20, Nos. 1 and 2 (not published).

Vol. 20, No. 3, February 1.
Catalogue of the summer session. University of Kansas. 1919. Lawrence, Kansas.

Vol. 20, No. 4 (not published).

Vol. 20, No. 5, March 1, 1919.
Annual catalogue. 1918-1919.

Vol. 20, Nos. 6 to 10 (not published).

*Vol. 20, No. 11, June 1, 1919.
University extension division. Correspondence-study courses. 52 p.

Vol. 20, No. 12, June 15, 1919.
Social survey series, No. 5. Armourdale, a city within a city. University extension division.

Vol. 20, No. 13 (not published).

*Vol. 20, No. 14, August 1, 1919.

Vol. 21, Nos. 1 and 2 (not published).

Vol. 21, No. 4 (not published).

Vol. 21, No. 5, March 1, 1920.
Annual catalogue. 1919-1920.

Vol. 21, No. 6, March 15, 1920.
Science bulletin, vol. 12, Nos. 1 and 2.
Lawrence, Kansas.

Vol. 21, Nos. 7 to 9 (not published).

Science bulletin, vol. 13, Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9.
Lawrence, Kansas.

Vol. 21, No. 10, Part II, July, 1922.
Science bulletin, vol. 13, Nos. 10, 11, 12, 13, 14, 15.
Lawrence, Kansas.

Vol. 21, Nos. 11 to 14 (not published).

*Vol. 21, No. 15, September 1, 1920.
Announcement high-school debating league, 1920-’21. University extension division, the University of Kansas.

*Vol. 21, No. 15, October 1, 1920.
University extension division. Correspondence-study courses.

*Vol. 21, No. 15, September 1, 1921.

Vol. 21, No. 16 (not published).

*Vol. 21, No. 17, November 1, 1919.
Annual catalogue. 1919-1920. School of fine arts.

Vol. 21, No. 17, December 1, 1919.
Science bulletin, vol. 11. Lawrence, Kansas. The University.
(Topeka. State printer. 1920.)

Vol. 22, Nos. 1 to 4 (not published).

Vol. 22, No. 5, Part I, March 1, 1921.
Annual catalogue. 1920-1921. General information. Section I.
Topeka. State printer. 1921. 91 p.

Vol. 22, No. 5, Part II, March 1, 1921.
Annual catalogue. 1920-1921. Description of course of study. Section II.
Vol. 22, No. 5, Part III, March 1, 1921.
Annual catalogue. 1920-1921. Officers of instruction, degrees granted, roster of students, statistics. Section III.

Vol. 22, No. 5, Part IV, March 1, 1921.
Annual catalogue. 1920-1921. School of fine arts.

Vol. 22, No. 6 (not published).

Vol. 22, No. 7, April, 1921.
Catalogue summer session, 1921. University of Kansas. Lawrence, Kansas.

Catalogue summer session, 1922. University of Kansas. Lawrence, Kansas.
Topeka. State printer. 1922. 35 p.

Vol. 22, Nos. 8 to 14 (not published).

*Vol. 22, No. 15, September, 1921.
Extension division of the University of Kansas.
Brick, Adolph: The contest oration.
Topeka. State printer. 1921. 8 p.

Vol. 22, No. 16 (not published).

Vol. 22, No. 17, November 1, 1921.
Humanistic studies, vol. 2, No. 3.
Malin, James C.: Indian policy and Westward expansion.

Vol. 22, No. 18, December 1, 1921.
Humanistic studies, vol. 2, No. 4.
Barnes, Nellie: American Indian verse.

Vol. 22, No. 18, December 1, 1921.
University extension division.
Lawrence, Kansas. (2) + 14 p.

Vol. 23, No. 1, January 1, 1922.
School survey of Lawrence, Kansas. University extension division.
Topeka. State printer. 1922. 100 p.

Vol. 23, No. 2, January 15, 1922.
Inauguration of Ernest Hiram Lindley as chancellor of the University of Kansas. Lawrence, June the seventh, 1921.
(Topeka. State printer. 1922.) 73 p.

*Vol. 23, No. 3, February 1, 1922.
Preliminary announcement of the summer session, 1922.
Lawrence, Kansas.
Vol. 23, No. 4, February 15, 1922.
Alumni catalogue. February 15, 1922.
(Lawrence, Kansas, 1922.) 261 p.

Vol. 23, Nos. 5 and 6 (not published).

*Vol. 23, No. 7, April 1, 1922.
Catalogue summer session, 1922. University of Kansas.
Lawrence, Kansas.

Vol. 23, No. 8 (not published).

Vol. 23, No. 9, Part I, May 1, 1922.
Annual catalogue. 1921-1922. General information. Section I.
Topeka. State printer. 1922. 96 p.

Vol. 23, No. 9, Part II, July 1, 1922.
Annual catalogue. 1921-1922. Announcement of courses. Section II.

Vol. 23, No. 10, May 15, 1922.
When you come to K. U. 24 p.

*Vol. 23, No. 10, October 1, 1922.
University extension division. Correspondence-study courses.

*Vol. 23, No. 11, June 1, 1922.
Bulletin. School of fine arts.

*Vol. 23, No. 11, Part II, August 1, 1922.
Annual catalogue. 1921-1922. Roster of faculty, students and graduates.
Section III.

*Vol. 23, No. 11, October 1, 1922.
Announcement Kansas high-school debating league, 1922-23. University
extension division. University of Kansas.

*Vol. 23, No. 11, October 1, 1923.
Announcement Kansas high-school debating league, 1923-24. University
extension division. The University of Kansas.
Topeka. State printer. 1923. 29 p.

*Vol. 23, No. 12, June 15, 1922.
Engineering bulletin No. 12.
Walker, P. F.: Industrial development of Kansas, section I.
Lawrence, Kansas. University engineering experiment station.
Topeka. State printer. 1922. 55 p. II. Maps.
*Vol. 23, No. 12, June 15, 1922.
   Engineering bulletin No. 12.
   Walker, P. F.: Industrial development of Kansas, section II. Industrial map section.
   Lawrence, Kansas. University engineering experiment station.

Vol. 23, Nos. 13 to 17 (not published).

Vol. 23, No. 18, December, 1922.
   Lawrence, Kansas. University. 1922.

Vol. 23, No. 18, December 15, 1922.
   Twenty-ninth biennial report of the University of Kansas. Lawrence, Kansas. For the two years ending June 30, 1922.

   Catalogue summer session, 1923. University of Kansas. Lawrence, Kansas.
   Topeka. State printer. 1923. 29 p.

*Vol. 24, No. 1, January 1, 1923.
   Kansas studies in education, vol. 1, No. 1, January 1, 1923.
   O'Brien, F. P.; Smart, T. J.: The Shawnee-Mission rural high school.
   Topeka. State printer. 1923. 29 p.

   Lawrence, Kansas. n.d. (2) + 8 p.

Vol. 24, No. 3, February 1, 1923.
   Catalogue of the graduate school. 1923-1924.

   Engineering special bulletin.

Vol. 24, No. 5, Part 1, March 1, 1923.
   Annual catalogue. 1922-1923. General information. Section I.
   Topeka, State printer. 1923. 100 p.

   Annual catalogue. 1922-1923. Roster of faculty, students and graduates, Section III.

Vol. 24, Nos. 6 and 7 (not published).

Vol. 24, No. 8, April 15, 1923.
   Humanistic studies, vol. 3, No. 1.
McQuiston, Raymer: The relation of Ralph Waldo Emerson to public affairs.

Vol. 24, Nos. 9 to 15 (not published).

Vol. 24, No. 16, October 1, 1923.
Kansas studies in education, vol. 1, No. 2, October 1, 1923.

*Vol. 24, No. 17, November 1, 1923.
School of law. 1924-1925.

*Vol. 24, No. 18, December 1, 1923.
University extension division. Correspondence-study courses.

Vol. 25, No. 1, Part I, January 1, 1924.
Annual catalogue. 1923-1924. General information. Section I.

Vol. 25, No. 1, Part II, January 1, 1924.
Annual catalogue. 1923-1924. Announcement of courses. Section II.
Roster of faculty, students and graduates, section III.
Topeka. State printer. 1924. (2) + 348 p.

Vol. 25, No. 1, Part II, January 1, 1924.
Annual catalogue. 1923-1924. Announcement of courses. Section II.

Vol. 25, No. 1, Part III, January 1, 1924.
Annual catalogue. 1923-1924. Roster of faculty, students and graduates.
Section III.
Topeka. State printer. 1924. (2) + 251-348 p.

Vol. 25, No. 2, January 15, 1924.
Humanistic studies, vol. 3, No. 2.

Vol. 25, No. 3, February 1, 1924.
Catalogue summer session, 1924. University of Kansas. Lawrence, Kansas.
Topeka. State printer. 1924. 29 p.

*Vol. 25, No. 4, February 15, 1924.
University extension division. Program of service offered by the University extension division. 8 p.
Vol. 25, No. 5, March 1, 1924.
School of business. Announcements for the first session. Fall of 1924.
(Lawrence, Department of Journalism press, University of Kansas.)
7 + (1) p.

Vol. 25, Nos. 6 to 14 (not published).

*Vol. 25, No. 15, September 1, 1924.
University extension division. Correspondence-study courses.
Topeka. State printer. 1924. 54 p.

*Vol. 25, No. 16, October 1, 1924.
Announcement Kansas high-school debating league, 1924-'25. University
extension division. The University of Kansas.
Topeka. State printer. 1924. 32 p.

Vol. 25, No. 17, November 1, 1924.
Humanistic studies, vol. 3, No. 3.

*Vol. 25, No. (18), December 1, 1924.
Thirtieth biennial report of the University of Kansas. Lawrence, Kansas.
For the two years ending June 30, 1924.
Topeka. State printer. 1924. 74 p.

Vol. 26, No. 1, Part I, January 1, 1925.
Annual catalogue. 1924-1925. General information, section I.

Vol. 26, No. 1, Parts I and II, January 1, 1925.
Annual catalogue. 1924-1925. General information, section I. Announcement
of courses, section II.

Vol. 26, No. 1, Part II, January 1, 1925.
Annual catalogue, 1924-1925. Announcement of courses, section II.
Topeka. State printer, 1925. (2) + 131-272 p.

Vol. 26, No. 1, Part II, January 1, 1927.
Annual catalogue. 1926-1927. Announcement of courses. Section II.
Topeka. State printer. 1927. (2) + 139-292.

Vol. 26, No. 1, Part III, January 1, 1925.
Annual catalogue. 1924-1925. Roster of faculty, students and graduates.
Section III.

Vol. 26, Parts I, II, III, January 1, 1925.
Annual catalogue. 1924-1925. General information, section I. Announcement
of courses, section II. Roster of faculty, students and graduates, section III.
Vol. 26, No. 2, January 15, 1925.
School of law. 1925-1926.

*Vol. 26, No. 2, January 15, 1925.
School of medicine. Bulletin for the years 1924-’25 and 1925-’26. Lawrence, Kansas City, Kansas.

Vol. 26, No. 3, February 1, 1925.
Catalogue summer session, 1925. University of Kansas. Lawrence, Kansas.

Vol. 26, No. 4, February 15, 1925.
History of the chemistry department of the University of Kansas.
Topeka. State printer. 1925. 64 p.

*Vol. 26, No. 5, March 1, 1925.
Engineering bulletin No. 13. Division of chemical research, bulletin No. 4.

Vol. 26, No. 6, March 15, 1925.
Humanistic studies, vol. 3, No. 4. Learned, Edmund P. State gasoline taxes.
Lawrence, University. March, 1925. 94 p.

Vol. 26, No. 7, April 1, 1925.
Science bulletin, vol. 15, Nos. 1, 2, 3, 4, 5 and 6.
Lawrence, Kansas. (1924.)

*Vol. 26, No. 8, April 15, 1925.

*Vol. 26, No. 9, May 1, 1925.
School of nursing.

*Vol. 26, No. 10, May 15, 1925.
University extension division. O'Brien, F. P.: The vocabulary of high-school pupils in written composition.
Lawrence, Kansas. 8 p.

Vol. 26, Nos. 11 to 14 (not published).

*Vol. 26, No. 15, September 1, 1925.

Vol. 26, Nos. 16 and 17 (not published).
*Vol. 26, No. 18, December 1, 1925.
University extension division. Correspondence-study courses.

Vol. 27, No. 1, January 1, 1926.

Vol. 27, No. 1, Part I, January 1, 1926.
Annual catalogue. 1925-1926. General information, section I.

Vol. 27, No. 1, Part 2, January 1, 1926.
Annual catalogue. 1925-1926. Announcement of courses, section II.

Vol. 27, No. 1, Part 3, January 1, 1926.
Annual catalogue. 1925-1926. Roster of faculty, students and graduates, section III.

Vol. 27, No. 2, January 15, 1926.
Catalogue of the graduate school, 1926-1927.

*Vol. 27, No. —, January 15, 1927.
Lawrence and Kansas City, Kansas. n.d. 44 p.

*Vol. 27, No. 3, February 1, 1926.
Preliminary announcement of the summer session, 1926.
Lawrence, Kansas.

Vol. 27, No. 4, March ——, 1926.
Catalogue summer session, 1926. University of Kansas. Lawrence, Kansas.

*Vol. 27, No. 5, March 1, 1926.
Kansas studies in education, vol. 1, March 1, 1926, No. 4.
OBrien, F. P.: College standards and a public junior college. 23 p.

Vol. 27, No. 6, March 15, 1926.
School of business. Announcements, 1926-1927. 7 + 1 p.

Vol. 27, No. 7, April 1, 1926.
Science bulletin, vol. 16, Nos. 1, 2, 3, 4, 5 and 6.
Lawrence, Kansas.

*Vol. 27, No. 8, April 15, 1926.
State geological survey of Kansas, bulletin 11.
Bass, N. W.: Geologic investigations in Western Kansas. Part 1, geology

(Topeka. State printer.) (1926.) 96 p.

*Vol. 27, No. 9, May 1, 1926.


*Vol. 27, No. 10, May 15, 1926.

Kansas studies in education, vol. 1, May 15, 1926, No. 5.

O'Brien, F. P.: The high-school teaching load and preparation of high-school teachers. 37 p.

Vol. 27, No. 11, June 1, 1926.


*Vol. 27, No. 12, June 15, 1926.


*Vol. 27, No. 13, July 1, 1926.


*Vol. 27, No. 14, August 1, 1926.

A handbook of visual instruction. Lawrence, University of Kansas. Bureau of visual instruction. 76 p.

Vol. 27, No. 15, September 1, 1926.

Humanistic studies, vol. 4, No. 1.

Nelson, John Herbert: The negro character in American literature. Lawrence, Department of Journalism press. September, 1926. (2) + 146 p.

Vol. 27, No. 16 (not published).

*Vol. 27, No. 17, November 1, 1926.

Thirty-first biennial report of the University of Kansas, Lawrence, Kansas, for the two years ending June 30, 1926. Topeka. State printer. 1926. 79 p.

*Vol. 27, No. 18, December 1, 1926.

Vol. 28, No. 1, January 1, 1927.
Annual catalogue. 1926-1927. General information, section I. Announcement of courses, section II. Roster of faculty, students, graduates 1925-1926, section III.

Vol. 28, No. 1, Part 1, January 1, 1927.
Annual catalogue. 1926-1927. General information, section I.


Vol. 28, No. 1, Part 3, January 1, 1927.
Annual catalogue. 1926-1927. Roster of faculty, students and graduates, section III.

Catalogue summer session, 1927. University of Kansas. Lawrence, Kansas.

Chemical training by summer school attendance. (4) p.

University of Kansas summer courses in physical education and athletics. (12) p.

Twenty-fifth annual summer session. Schedule of classes, 1927. 15 p.

Vol. 28, No. 3 (not published).

*Vol. 28, No. 4, February 15, 1927.
Lawrence. Published by the bureau of school service and research. 24 p.

*Vol. 28, No. 5, March 1, 1927.
University extension division. Correspondence study courses.

*Vol. 28, No. 6, March 15, 1927.
Kansas studies in education, vol. 1, March 15, 1927, No. 7.
OBrien, F. P., and Smart, T. J.: School survey report pertaining to the Onaga rural high school.
Bureau of school service and research, University of Kansas. 1927.
(Lawrence, Kansas. Journalism press, University of Kansas.) 53 p.

Vol. 28, No. 7, April 1, 1927.
The state law and board of administration rules for examination of candidates for the certificate of certified public accountant.
Vol. 28, No. 8, April 15, 1927.
School of fine arts. Summer session. 1927. 11 + (1) p.

Vol. 28, No. 9, May 1, 1927.
Municipal insurance by Orin F. Nolting. May 1, 1927.
Published jointly by the municipal reference bureau, University extension division, international city managers' association, the league of Kansas municipalities.
Lawrence, Kansas. Municipal reference bureau, University extension division. 1927. (62 p.)


Vol. 28, No. 11, June 1, 1927.

Vol. 28, No. 12, June 15, 1927.
Topeka. State printer. 1927. 95 p.

Vol. 28, No. 13, July 1, 1927.
Kansas studies in education, vol. 1, July 1, 1927. No. 8.
Smart, Thomas J.: A proposed larger school unit for an area in northeastern Kansas.
University extension division, University of Kansas. 1927. 117 p.

Vol. 28, No. 14, August 1, 1927.

Vol. 28, No. 15, September 1, 1927.
Announcement Kansas high-school debating league, 1927-28. University extension division, the University of Kansas.

Vol. 28, No. 16, October 1, 1927.
University extension division. Program of service offered by the University extension division. 8 p.

Vol. 28, No. 17, November 1, 1927.
State geological survey of Kansas, bulletin 13.
(Report of the Kansas state board of agriculture for the quarter ending December, 1926.)

Vol. 28, No. 18, December 1, 1927.
Lawrence, Kansas. 1927.
Vol. 28, No. 18, December 1, 1927.
Lawrence, Kansas. 1927.

Vol. 29, No. 1, Part 1, January 1, 1928.

Vol. 29, No. 1, Part III, January 1, 1928.
Annual catalogue. 1927-1928. Roster of faculty, students and graduates, section III.

Preliminary announcement of the summer session, 1928.
(Topeka. State printer. 1928.) 32+(2) p.

Catalogue summer session, 1928. University of Kansas. Lawrence, Kansas.

*Vol. 29, No. 3, February 1, 1928.
Engineering bulletin No. 15. Engineering; its scope, opportunities and system of training. Lawrence, Kansas. The school of engineering and architecture of the University of Kansas.
(Topeka. State printer. 1928.) 29 p. II. por.

Vol. 29, No. 3, February 1, 1928.
Engineering bulletin No. 16.
Barron, James L., and Lawrence, R. E.: The chlorination of raw sewage for odor control.
(Lawrence. Department of journalism press, University of Kansas.) 28 p. II.

Vol. 29, No. 4 (not published).

*Vol. 29, No. 5, March 1, 1928.

Annual catalogue. 1927-1928. Announcement of courses, section II.

Vol. 29, No. 6, March 15, 1928.
Engineering bulletin No. 14.
Browne, Earle G.: The economic value of public health work.
(Lawrence, Kansas. State board of health, division of water and sewage, University of Kansas.) 1928. 13 p.

Vol. 29, No. 7, April 1, 1928.
Topeka. State printer. 1928.
Vol. 29, No. 8, April 15, 1928.
Landes, Kenneth K.: Volcanic ash resources of Kansas.

*Vol. 29, No. 9, May 1, 1928.
Topeka. State printer. 1928. 54 p.

*Vol. 29, No. 9, May 1, 1928.

Engineering bulletin No. 17.
Joslyn, R. O.: Development of ground water.
(1928.) 13 p.

*Vol. 29, No. 11, June 1, 1928.
State geological survey of Kansas. Mineral resources circular 1.
Kesler, L. W.: Oil and gas resources of Kansas in 1927.

*Vol. 29, No. 12, June 15, 1928.
University extension division. Correspondence-study courses.
Topeka. State printer. 1928. 54 p.

Vol. 29, No. 13 (not published).

Vol. 29, No. 14, August 1, 1928.
Alumni directory. 1873-1928.
Lawrence, Kansas. 448 p.

*Vol. 29, No. 15, September 1, 1928.
Announcement Kansas high-school debating league, 1928-'29. University extension division. The University of Kansas.

*Vol. 29, No. 16, October 1, 1928.
(Kansas studies in education, vol. 1, No. 11, October, 1928.)
OBrien, F. P.: Special number. The status of business courses in the high school.

Vol. 29, No. 17, November 1, 1928.
Engineering bulletin, No. 17. Chemical research division bulletin, No. 5.
Gottlieb, Selma: Mineral analysis of municipal water supplies in Kansas.
(Lawrence. Department of Journalism press, University of Kansas.) n.d. 9 + (13) p. Pl.
Vol. 29, No. 18, December 28, 1928.
Lawrence and Kansas City, Kansas. n.d. 46 p.

Vol. 30, No. 1, Part 1, January 1, 1929.
Annual catalogue. 1928-1929. General information, section I.

Vol. ——, No. 1, Part 2, January 1, 1929.
Annual catalogue. 1928-1929. Announcement of courses, section II.

Annual catalogue. 1928-1929. Roster of faculty, students and graduates section III.
Topeka. State printer. 1929. 113 p.

Preliminary announcement of the summer session, 1929.
Lawrence, Kansas. n.d. 44 p.

Catalogue of the summer session, 1929.

*Vol. 30, No. 3, February 1, 1929.
University facts, the distribution of the tax dollar.
(University of Kansas.) n.d. (18 p.)

*Vol. 30, No. 4, February 15, 1929.

*Vol. 30, No. 5, March 1, 1929.
Catalogue of the graduate school, 1929-1930.
Lawrence. University. 1929. 54 p.

Vol. 30, No. 6, May 15, 1929.

*Vol. 30, No. 7, April 1, 1929.

Vol. 30, Nos. 8 to 13 (not published).

*Vol. 30, No. 14, August 1, 1929.
Debate handbook.
*Vol. 30, No. 15, September 1, 1929.
Announcement Kansas high-school debating league, 1929-'30. University extension division. The University of Kansas.

Vol. 30, No. 16, October 1, 1929.
Summer session. Special announcement.

Vol. 30, No. 17, November 1, 1929.
Topeka. State printer. 1930.

*Vol. 30, No. 18, December 1, 1929.
School of business. Announcements, 1930-31.

Vol. 31, No. 1, Part I, January 1, 1930.
Annual catalogue, 1929-1930. General information, section I.

*Vol. 31, No. 1, Part II, January 1, 1930.
Annual catalogue, 1929-1930. Announcement of courses, section II.

School of business. Summer session, 1930.
Lawrence, University of Kansas. 1930. 7 + (1) p.

School of fine arts. Summer session, 1930. 7 + (1) p.

*Vol. 31, No. 3, February 1, 1930.
University extension division. Correspondence-study courses.

*Vol. 31, No. (4), (February 15, 1930).
School of law announcements for 1930-1931.

Vol. 31, No. 5, March, 1930.
Catalogue issue summer session, 1930.

*Vol. 31, No. 6, March 15, 1930.
Bulletin of the University of Kansas. Program of service offered by the University extension division. 8 p.

Vol. 31, No. 7, April, 1930.
Althaus, Carl B.: The trend of school taxes in Kansas.
Lawrence, University of Kansas. University extension division and school of education. 1930. 35 p.

*Vol. 31, No. 8, April 15, 1930.
*Vol. 31, No. 9, May 1, 1930.
Wing, Monta E.: The geology of Cloud and Republic counties, Kansas.
(Topeka, Kansas. State printer, 1930.) 51 p.

Vol. 31, No. 9, May 15, 1930.

Vol. 31, No. 10 (not published).

*Vol. 31, No. 11, June 1, 1930.
Catalogue issue, 1929-1930. Roster of faculty, students and graduates.
Topeka. State printer. 1930. 118 + (2) p.

*Vol. 31, No. 12, June 15, 1930.
Sayre, Albert Nelson: Fauna of the drum limestone of Kansas and Western Missouri.

Vol. 31, No. 12, June 15, 1930.
Science bulletin, vol. 19, Nos. 8-14, part 2. Lawrence, Kansas.
Topeka, Kansas. State printer. 1930.

Vol. 31, No. 13 (not published).

*Vol. 31, No. 14, August 1, 1930.
University extension division. Announcement of visual aids.

*Vol. 31, No. 15, September 1, 1930.
Announcement Kansas high-school debating league for 1930-'31. University extension division, University of Kansas. Lawrence, Kansas.

*Vol. 31, No. 16, October 1, 1930.
University extension division. Bureau of general information. School and community drama service.

Vol. 31, No. 17, November 1, 1930.
Governmental research series, No. 1.

*Vol. 31, No. 18, December 1, 1930.
Catalogue issues for the sessions, 1930-1931.
School of business. 15 p.
Vol. 32, No. 1, January 1, 1931.

Preliminary announcement. Summer session, 1931.

*Vol. 32, No. 3, February 1, 1931.
The school of medicine. Catalogue issue. For the sessions 1930-'31, 1931-
'32. Lawrence and Kansas City, Kansas.
Topeka, State printer. 1931. 60 p.

Vol. 32, No. 4, February 15, 1931.

Vol. 32, No. 5, March 1, 1931.
Catalogue issue. Summer session. 1931.

*Vol. 32, No. 6, March 15, 1931.
University extension division. Correspondence study courses.
Topeka. State printer. 1931. 56 p.

Vol. 32, No. 7, April 1, 1931.
Elias, Maxim K.: The geology of Wallace county, Kansas.

Vol. 32, No. 8, April 15, 1931.
Humanistic studies, vol. 4, Nos. 2-3.

Vol. 32, No. 9 (not published).

Science bulletin, vol. 20, Nos. 1-6, part 1. Lawrence, Kansas.
Topeka. State printer. 1931.

*Vol. 32, No. 11, June 1, 1931.
Catalogue issue. 1930-1931. Roster of faculty, students and graduates Lawrence. By the University, 1931.
Topeka. State printer. 1931. 125 + (2).

Vol. 32, No. 12 (not published).

*Vol. 32, No. 13, July 1, 1931.
Announcement. Department of nursing education.
*Vol. 32, No. 14, August 1, 1931.
University extension division. Announcement of visual aids available through the bureau of visual instruction.
Topeka. Kansas state printing plant. 1931. (164 p.)

*Vol. 32, No. 15, September 1, 1931.
Topeka, Kansas. State printer. 1931. (38 p.)

Vol. 32, Nos. 16 and 17 (not published).

Vol. 32, No. 18, December 1, 1931.
School of law. Catalogue issue for the sessions 1931-1932.

Vol. 33, No. 1, January 1, 1932.

Preliminary announcement, summer session. 1932. Lawrence, Kansas.

Vol. 33, Nos. 3 and 4 (not published).

*Vol. 33, No. 5, March 1, 1932.

Vol. 33, No. 6, March 15, 1932.
Catalogue issue, summer session. 1932. Lawrence, Kansas.

Vol. 33, No. 7, April 1, 1932.
Catalogue issue for the sessions 1932-1933, school of business.

Vol. 33, No. 8, April 15, 1932.
Humanistic studies, vol. 4, No. 4.
Frederikson, Otto Frovin. The liquor question among the Indian tribes in Kansas. 1804-1881. Lawrence, April, 1932.

*Vol. 33, No. 9, May 1, 1932.
Announcement of visual aids. Available through the bureau of visual instruction. University extension division.
Topeka, State printer. 1932. 133 p. II.
Science bulletin, vol. 20, Nos. 7-21, part 2. Lawrence, Kansas. By the University, 1932.
Topeka. State printer. 1932.


*Vol. 33, No. 11, June 1, 1932.
Annual catalogue, 1931-1932. Roster of faculty, students and graduates. Lawrence. By the University. 1932.

Vol. 33, No. 12 (not published).

Vol. 33, No. 13, July 1, 1932.

*Vol. 33, No. 14, August 1, 1932.

*Vol. 33, No. 15, September 1, 1932.

*Vol. 33, No. 16, October 1, 1932.

Vol. 33, No. 17, November 1, 1932.
Thirty-fourth biennial report of the University of Kansas. Lawrence, Kansas. Including the medical school at Kansas City. Topeka. State printer. 1932. 78 p.

Vol. 33, No. 18, December 1, 1932.
*Vol. 34, No. 1, January 1, 1933.
  University facts. Revised. The distribution of the tax dollar.
  (Lawrence, Kansas.) n.d. 20 p.

*Vol. 34, No. 2, January 15, 1933.

*Vol. 34, No. 2, January 15, 1933.
  Catalogue issue, 1933-1934. School of law.

*Vol. 34, No. 3, February 1, 1933.
  School of medicine. Bell memorial hospital.
  n.d. 15 p.

Vol. 34, No. 4, February 15, 1933.
  State geological survey of Kansas. Mineral resources, circular 2.
  Folger, Anthony: Part 1. Development of oil and gas resources of Kansas
  in 1928 and 1929.
  Hall, Roy H.: Part 2. Development of oil and gas resources of Kansas in
  1930.

*Vol. 34, No. 5, March 1, 1933.

Vol. 34, No. 5, March 15, 1933.
  Science bulletin, vol. 21, Nos. (1-16). Lawrence, Kansas.
  Topeka. State printer. 1934.

*Vol. 34, No. 6, March 15, 1933.
  Catalogue issue. Summer session, 1933.
  Lawrence, Kansas. n.d. 31 p.

Vol. 34, Nos. 7 to 12 (not published).

*Vol. 34, No. 13, July 1, 1933.
  Annual catalogue, 1932-1933. Roster of faculty, students and graduates.
  Lawrence. By the University. 1933.
  Topeka. State printer. 1933. 113 + (1) p.

Vol. 34, No. 14, August 1, 1933.
  University extension division. Announcement of visual aids motion pic­
  tures. Available through the bureau of visual instruction.
  Lawrence. (1933.) 39 + (1) p.

Vol. 34, No. 15, September 1, 1933.
  Announcement. Kansas high-school debating league, 1933-34. University
  extension division. Lawrence, Kansas.
University Bulletins

Vol. 34, Nos. 16 and 17 (not published).

Vol. 34, No. 18, December 1, 1933.
  Preliminary announcement. Summer session, 1934.
  Lawrence, Kansas. (1933.) 29 p.

Vol. 35, No. 1, January 1, 1934.


Vol. 35, No. 3, February 1, 1934.
  Catalogue issue. 1933-34 and 1934-35. School of medicine.
  Lawrence. 1934. 47 p.

  Announcement. Department of nursing. Kansas City, Kansas. School
  of medicine, Bell memorial hospital.
  (Lawrence.) (1935.) 15 p.

Vol. 35, No. 4, February 15, 1934.
  (1934.) 15 p.

Vol. 35, No. 5, March 1, 1934.
  Catalogue issue. 1934. Summer session.
  Lawrence. 1934. 31 p.

Vol. 35, No. 6, March 15, 1934.
  School and community drama service. University of Kansas. University
  extension division. Bureau of general information.

Vol. 35, No. 7, April 1, 1934.
  Announcement of visual aids. University of Kansas. University extension
  division.

Vol. 35, Nos. 8 to 12 (not published).

Vol. 35, No. 13, July 1, 1934.
  Annual catalogue. 1933-1934. Roster of faculty, students and graduates.
  Lawrence, by the University. 1934.

Vol. 35, No. 14, August 1, 1934.
  State geological survey of Kansas. Mineral resources circular 3.
  Koester, Edward A.: Development of the oil and gas resources of Kansas
  in 1931 and 1932.
Vol. 35, No. 15, September 1, 1934.
(1934.) 33 p.

Vol. 35, No. 16 (not published).

Vol. 35, No. 17, November 1, 1934.
Correspondence study courses. University extension division.
Topeka. State printer. 1934. 52 p.

Vol. 35, No. 18, December 1, 1934.
Thirty-fifth biennial report of the University of Kansas. Lawrence, Kansas. Including the medical school at Kansas City.
II
SERIES
(51)
II
BUSINESS

BUREAU OF BUSINESS RESEARCH
KANSAS STUDIES IN BUSINESS

No. 1.
Holtzclaw, H. F.: The credit and collection policies of Kansas retail clothiers. October, 1925.
Lawrence, Kansas. University of Kansas, school of business. (1925.) .18 p.

No. 2.

No. 3.
Holtzclaw, Henry F.; Guthrie, G. L.: Chambers of commerce in Kansas. April, 1926.

No. 4.
Sanborn, Theo. A.: Credit and collection policies of Kansas retail lumber dealers. October, 1926.

No. 5.
Lawrence, Kansas. University of Kansas, school of business. (1926.) 52 p.

No. 6.
Blocker, John G.: Retail credit bureaus in Kansas. October, 1927.

No. 7.

No. 8.

No. 9.
No. 10.
Jensen, Jens P.: Tax exemption as means of encouragement to industry
May, 1929.
Lawrence, Kansas. University of Kansas, school of business. (1929.) 60 p

No. 11.
Lawrence, Kansas. University of Kansas, school of business. (1929.) 58 p

No. 12.

*No. 13.

No. 14.
Gagliardo, Domenico: Labor legislation in Kansas, May, 1931.

No. 15.
Gagliardo, Domenico: Kansas industrial welfare act, June, 1934.
Lawrence. University of Kansas, school of business. 1934. 60 p.

No. 16.
Hedges, J. Edward: Advertising of fabricated parts in consumer media.
November, 1934.
III
CHEMICAL RESEARCH

BULLETINS

*No. 1.
Schwab, James W.: The removal of iron from municipal water supplies. Engineering bulletin No. 7. (Bulletin of the University of Kansas, vol. 17, No. 8, April 15, 1916.) Lawrence. (University of Kansas, engineering experiment station.) n.d. (2) + 41 + (1) p. II.

*No. 2.

*No. 3.

*No. 4.
Kansas coal.

No. 5.
Gottlieb, Selma: Mineral analyses of municipal water supplies in Kansas. (Engineering bulletin No. 17.) (Bulletin of the University of Kansas, vol. 29, No. 17, November 1, 1928.) (Lawrence, University of Kansas, Department of Journalism Press.) n.d. 9 + (13) p. Pl.
IV

EDUCATION

BULLETINS OF EDUCATION

*Vol. 1, No. 1, December, 1926.
(Miscellaneous papers.)
Lawrence, published by the bureau of school service and research. 23 p.

(Miscellaneous papers.)
Bulletin of the University of Kansas, vol. 28, February 15, 1927, No. 4.
Lawrence, published by the bureau of school service and research. 24 p.

*Vol. 1, No. 3, April, 1927.
(Miscellaneous papers.)
Lawrence, bureau of school service and research. University of Kansas.
24 p.

*Vol. 1, No. 4, October, 1927.
OBrien, F. P.: Improvement of instruction in arithmetic.
Lawrence, bureau of school service and research. University of Kansas.
1927. 42 p.

Vol. 1, No. 5, December, 1927.
(Miscellaneous papers.)
Lawrence, bureau of school service and research. University of Kansas.
23 p.

Vol. 1, No. 6, February, 1928.
(Miscellaneous papers.)
Lawrence, bureau of school service and research. University of Kansas.
31 p.

Vol. 1, No. 7, April, 1928.
LaBrant, Lou L.: Diagnostic tests and remedial measures for the teaching
of English in the high school.
(Kansas studies in education, vol. 1, No. 10.) Special number.
Lawrence, bureau of school service and research. University of Kansas.
24 p.

Vol. 2, No. 1, October, 1928.
OBrien, F. P.: The status of business courses in the high school.
(Kansas studies in education, vol. 1, No. 11, October, 1928.) Special
number.
Bulletin of the University of Kansas, vol. 29, No. 16, October 1, 1928.
Lawrence, bureau of school service and research. University of Kansas.
1928. 26 p.
Witty, Paul A.; Fry, Mabel S.; Carle, Rose M.; Green, Roberta L.; Foreman, Luetta: A report regarding certain abilities of selected college students.

A list of titles and authors of theses written for graduate degrees in education, 1922 to 1928. Lawrence. Bureau of school service and research University of Kansas. 1928. 30 p.

(Miscellaneous papers.)

Vol. 2, No. 4, April, 1929.
O'Brien, F. P.: A six-year study of selection, persistence and achievement in high school and college.
(Kansas studies in education, vol. 1, April, 1929, No. 12.) Lawrence, Kansas. Bureau of school service and research. University of Kansas. 28 p.

Vol. 2, No. 5, October, 1929.
(Miscellaneous papers.)

Vol. 2, No. 6, December, 1929.
(Miscellaneous papers.)

(Kansas studies in education, vol. 1, No. 13.)

Vol. 2, No. 8, April, 1930.
(Miscellaneous papers.)

Vol. 3, No. 1, October, 1930.
O'Brien, F. P.: Ten years of research and service in the University of Kansas bureau of school service and research, 1920-1930. Special number.
Lawrence. Bureau of school service and research. University of Kansas. 1930. 36 p. II.

(Miscellaneous papers.)
(Miscellaneous papers.)

Vol. 3, No. 4, April, 1931.
(Miscellaneous papers.)

Vol. 3, No. 5, October, 1931.
(Miscellaneous papers.)

Vol. 3, No. 6, December, 1931.
(Miscellaneous papers.)


BULLETINS OF EDUCATION—SPECIAL ISSUE

December, 1933.

Lawson, Fred Douglas: Kansas rural high school in terms of five criteria.
Smith, Ralph Huett: Legal basis of educational control.

KANSAS STUDIES IN EDUCATION

Vol. 1, No. 1, January 1, 1923.
Topeka. State printer. 1923. 29 p. II.

Vol. 1, No. 2, October 1, 1923.
OBrien, F. P.: Report of a survey in Atchison dealing with the establishment of a junior college. 1923.
Bulletin of the University of Kansas, vol. 24, October 1, 1923, No. 16.
(Vol. 1, No. 3.)
OBrien, F. P.; Worcester, D. A.; Mendenhall, E. N.: Results of instruction in different types of elementary schools in the state of Kansas, 1921-'22.
Published as a joint bulletin of the University of Kansas, State Teachers College of Emporia, State Teachers College of Pittsburg.

*Vol. 1, No. 4, March 1, 1926.
OBrien, F. P.: College standards and the public junior college.
Bulletin of the University of Kansas, vol. 27, March 1, 1926, No. 5. 23 p.

Vol. 1, No. 5, May 15, 1926.
OBrien, F. P.: High-school teaching load and preparation of high-school teachers.

*Vol. 1, No. 6, June 15, 1926.
OBrien, F. P.: An experiment in the supervision of English.
Bulletin of the University of Kansas, vol. 27, No. 12, June 15, 1926.
Montpelier, Vermont. Capital City press. n.d. (31 p.)

OBrien, F. P.; Smart, T. J.: School survey report pertaining to the Onaga rural high school.
Bureau of school service and research, University of Kansas. 1927.
(Lawrence, Kansas. Journalism press, University of Kansas.) 53 p. II.

Vol. 1, No. 8, July 1, 1927.
Smart, Thomas J.: A proposed larger school unit for an area in northeastern Kansas.
Bulletin of the University of Kansas, vol. 28, No. 13, July 1, 1927.
University extension division, University of Kansas. 1927. 117 p.

*Vol. 1, No. 9, October, 1927.
OBrien, F. P.: Improvement of instruction in arithmetic.
(Bulletin of education, vol. 1, October, 1927, No. 4.)
Bureau of school service and research, University of Kansas. 1927. 42 p.

*(Vol. 1, No. 10.)
LaBrant, Lou L.: Diagnostic tests and remedial measures for the teaching of English in the high school. Also, bulletin of education, vol. 1, No. 7, April, 1928. Special number.
Lawrence. Bureau of school service and research, University of Kansas. 24 p.

*Vol. 1, No. 11, October, 1928.
Bulletin of the University of Kansas, vol. 29, No. 16, October 1, 1928. 26 p.
Kansas University Publications

*Vol. 1, No. 12, April, 1929.
Lawrence. Published by the bureau of school service and research. 28]

*(Vol. 1, No. 13.)
Lawrence. Bureau of school service and research, University of Kansas. 44 p.

Vol. 2, No. 1, June, 1931.
Radtke, Bruno: Some observations on German and English education in elementary and secondary schools.
Bureau of school service and research, University of Kansas. (1931.) 36 p

Sherbon, Florence Brown, and Ferris, Emily: The experience and opinion of 350 married women graduates of the University of Kansas. With reference to the university curriculum and problems of the American home.
University of Kansas, bureau of school service and research. (1931.) 30 p

O'Brien, F. P.: Economies possible in larger schools units.
University of Kansas, bureau of school service and research. 1934. 29 p

O'Brien, F. P.: Public junior college as a community asset.
University of Kansas, bureau of school service and research. 1935. 41 p

BUREAU OF SCHOOL SERVICE AND RESEARCH
INDEPENDENT MONOGRAPHS

1921.
O'Brien, F. P.; Smart, T. J.: Schooling in one-teacher schools.
Bulletin of the University of Kansas, 1921, vol. 22, December 1, 1921, No. 18.
Lawrence. University extension division. (2) + 14 p.

1923.
Bulletin of the University of Kansas, vol. 24, January 13, 1923, No. 2.
Lawrence. University extension division. (2) + 8 p.

1925.
*O'Brien, F. P.: The vocabulary of high-school students in written composition.
Lawrence. University extension division. 8 p.
1926.
*OBrien, F. P.: The conditional value of a longer school year in one-teacher schools. May 1, 1926.
Bulletin of the University of Kansas, vol. 27, May 1, 1927, No. 9. 8 p.

1926.
OBrien, F. P.: The county superintendent as supervisor of instruction. June 1, 1926.
Bulletin of the University of Kansas, vol. 27, June 1, 1926, No. 11. 12 p.

1930.
Althaus, Carl B.: The trend of school taxes in Kansas.
Bulletin of the University of Kansas, vol. 31, April, 1930, No. 7.

1932.
Althaus, Carl B.: Some facts regarding economic conditions in Kansas and their relation to financing the public schools of the state.
Bulletin of the Kansas State Teachers Association.

1932.
Althaus, Carl B.; Twente, J. W.: The organization and financing of rural high schools in Kansas.
Bulletin of the University of Kansas, vol. 33, July 1, 1932, No. 13.

1934.
Althaus, Carl B.: Current economic conditions in Kansas and their relation to public-school support.

BUREAU OF SCHOOL SERVICE

SURVEY REPORT

(No. 1.)
School survey of Lawrence, Kansas.
University extension division. Bulletin of the University of Kansas, vol.
23, January 1, 1922, No. 1.
Topeka. State printer. 1922. 100 p.

*(No. 2.)
(Kansas studies in education, vol. 1, January 1, 1923, No. 1.) Bulletin of the University of Kansas, vol. 24, January 1, 1923, No. 1.
Topeka. State printer. 1923. 29 p.
*(No. 3.)*
Survey report on school building program for the city of Ottawa, Kansas.
F. P. O'Brien, director; R. A. Kent, H. P. Smith.

*(No. 4.)*
Survey report on school building program for the Junction City schools, Junction City, Kansas.
F. P. O'Brien, director; R. A. Kent, H. P. Smith.

*(No. 5.)*
School survey and building program for Dodge City, Kansas.
F. P. O'Brien, director; R. A. Kent, H. P. Smith.
(Dodge City, Kansas. Etrick Co. 1923.) 100 p.

*(No. 6.)*
School survey report for the city of Great Bend, Kansas.

(No. 7.)
Bulletin of the University of Kansas, vol. 24, October 1, 1923, No. 16.

(No. 8.)
O'Brien, F. P.; Lull, H. G.; Williams, C. V.; and Smith, H. P.: Survey report of the Chanute, Kansas, school system.
(Chanute, Kansas. Tribune print.) 1924. 134 p.
*No. 1.
Rice, Martin E.; McCollum, Burton: A ballistic electrodynamometer method of measuring hysteresis loss in iron.
McCollum, Burton: Voltage regulation of alternators.
Bulletin of the University of Kansas, vol. 11, November, 1909, No. 1.
Lawrence. University of Kansas, Engineering experiment station. 23 p.

*No. 2.
Walker, P. F.: Natural gas; its properties, its domestic use, and its measurement by meters.
Bulletin of the University of Kansas, vol. 13, July 1, 1912, No. 16.

*No. 3.
Kansas fuels; coal, oil, gas.
Walker, P. F.; Bohnstengel, Walter: Heating values and proximate analysis of coal.
Bohnstengel, Walter: Discussion of sulphur content of bituminous coal.
Bulletin of the University of Kansas, vol. 14, January 15, 1913, No. 5
Lawrence, Kansas. University of Kansas. n.d. 40 p. Table and Map.

*No. 4.
Shaad, George C., and Walker, P. F.: Part I. The organization and work of the engineering experiment station of the University of Kansas.
Shaad, George C., and Walker, P. F.: Part II. Vocational education in Kansas, with course of study now offered by the University school of engineering.
Bulletin of the University of Kansas, vol. 15, October, 1913, No. 1. University engineering experiment station, Lawrence, Kansas.
(Topeka, Kansas. State printer. 1914.) (2) + 23 + (3) + 4 + 23 p. II.

*No. 5.
Water supplies of Kansas.
(Bulletin of the University of Kansas, vol. 16, April 1, 1915, No. 10.)

*No. 6.
Kansas fuels; coal, oil, gas.
Bohnstengel, Walter: Part 2. Discussion of sulphur content of bituminous coal. (Reprint.)
Young, C. M.: Part 3. Economic effects of washing coal from the state mine.
Bulletin of the University of Kansas, vol. 16, No. 9, March 15, 1915.
Lawrence, Kansas. (University of Kansas, engineering experiment station.) 50 p. II. Table and Map.

*No. 7.
Schwab, James W.: The removal of iron from municipal water supplies
Bulletin No. 1, division of state chemical research.
Lawrence, Kansas. University of Kansas. n.d. (2) + 41 + (1) p. II.

No. 8.
Bulletin of the University of Kansas, vol. 17, No. 11, June 1, 1916.
Lawrence, Kansas. University engineering experiment station.
(Topeka. State printer. 1916.) 93 p. II.

*No. 9.
Veatch, F. M.; Evans, H. P.; Jackson, L. E.: Sewage disposal in Kansas.
Bulletin No. 2, division of state chemical research. Bulletin of the University of Kansas, vol. 18, No. 18, December 1, 1917.

No. 10.
Johnson, F. Ellis: The present development of transmission lines in Kansas. With appendix: The calculation of iron wire lines.
(Topeka. State printer. 1918.) 53 p. II. Map.

*No. 11.
Bulletin No. 3, division of state chemical research, W. A. Whitaker, director.
Bulletin of the University of Kansas, vol. 19, No. 1, January 1, 1918.

*No. 12.
Topeka. State printer. 1922. 55 p. II. Maps.

*No. 12.
Walker, P. F.: Industrial development of Kansas, section 2. Industrial map section.

*No. 13.

No. 14.

*No. 15.
Engineering; its scope, opportunities and system of training. Bulletin of the University of Kansas, vol. 29, No. 3, February 1, 1928. Lawrence, Kansas. The school of engineering and architecture of the University of Kansas. (Topeka. State printer. 1928.) 29 p. II. Por.

No. 16.

No. 17.

No. 17.

No. 18.

No. 19.
*(No. 1.)
(Snow, F. H., and Kellogg, Vernon L.): Two grain insects. February, 1892. Lawrence Journal Co. 1892. 10 + (1) p. II.

*(No. 2.)
Kellogg, Vernon L.: Common injurious insects of Kansas. The University, 1892. (Topeka. State printer.) (1892.) 8 + 126 p. II.

*(No. 3.)

*(No. 4.)

*(No. 5.)

*(No. 6.)

*(No. 7.)

*(No. 8.)

*(No. 9.)

*No. 10.
Hungerford, H. B.: Orchard problems and how to solve them.
*No. 11.
Studies in Kansas insects.
Lawson, P. B.: Scale insects injurious to fruit and shade trees.
Contributions from entomological laboratory, No. 221-225.

*No. 12.
Hungerford, H. B.: Insect pests about the house.

Publications of the Department of Entomology are continued through the Science Bulletin.

EXPERIMENT STATION

1891.
*First annual report of the director, for the year 1891; F. H. Snow, director.
Contagious diseases of the chinch-bug.

1892.
*Second annual report of the director, for the year 1892; F. H. Snow, director.
Contagious diseases of the chinch-bug.

1893.
*Third annual report of the director, for the year 1893; F. H. Snow, director.
Contagious diseases of the chinch-bug.

1894.
*Fourth annual report of the director, for the year 1894; F. H. Snow, director.
Contagious diseases of the chinch-bug.
Lawrence, Kansas. May, 1895.
(Topeka, Kansas. State printer.) 1895. 46 p. Pl.

1895.
*Fifth annual report of the director, for the year 1895; F. H. Snow, director.
Contagious diseases of the chinch-bug.
Lawrence, Kansas. March, 1896.

1896-1897.
*Sixth annual report of the director, for the year 1896-'97; F. H. Snow, director.
Contagious diseases of the chinch-bug.
Lawrence, Kansas. May, 1898.
VII
EXTENSION

DEBATE HANDBOOK

1928.
Debate handbook.
The English parliamentary form of government vs. the presidential form of the United States.

1929.
Debate handbook.

1930.
Debate handbook.
Buehler, E. C.: The chain-store question; a brief, a bibliography, and selected articles for and against.

Subsequent handbooks published by various institutions.

POLITICAL SCIENCE SERIES

*No. 1.
Extension division of the University of Kansas.
General information and welfare commission plan of city government.
Bulletin of the University of Kansas, vol. 11, No. 6, March, 1910. 30 p.

*No. 2.
Extension division of the University of Kansas.
Debating and public discussion, recall of judges.
Bulletin of the University of Kansas, vol. 15, No. 3, December 1, 1913. 50 p
Discontinued with No. 2.

SOCIAL SURVEY SERIES

*No. 1.
(Telescope print.) (1914) II. 70 + (1) p.

No. 2.
Blackmar, F. W., and Burgess, E. W.: Lawrence social survey.
*(No. 3.)
Social survey of Council Grove, Kansas, under the direction of the department of sociology, University of Kansas; Dr. M. C. Elmer, director. Council Grove, Kansas. University of Kansas extension center. March, 1917. 15 p.

*(No. 4.)
Elmer, Manuel C.: Minneapolis survey. . . . 1918.

(No. 5.)
Amourdale, a city within a city, report. . . . Manuel C. Elmer.

Social survey series discontinued with No. 5.

VISUAL INSTRUCTION

Volumes 1 to 5.
Lawrence, Kansas. University of Kansas. 1927-1932.

(After volume 5, No. 4, March, 1932, visual instruction news merged into the Educational Screen.)
VIII

GEOLOGICAL SURVEY

BULLETINS

No. 1.
Haworth, Erasmus: Special report on the well waters in Kansas.

*No. 2.
Haworth, Erasmus: On crystalline rocks in Kansas.

*No. 3.
Moore, Raymond C.; Haynes, Winthrop P.: Oil and gas resources of Kansas.

No. 4.
Moore, Raymond C.: The environment of Camp Funston.
With a chapter on the Western theater of the war, by Douglas W. Johnson

No. 5.

No. 6.
Moore, Raymond C.: General geology of oil and gas.
Oil and gas resources of Kansas, Part 1.

No. 6.
Moore, Raymond C.: Geology of Kansas.
Oil and gas resources of Kansas, Part 2.

No. 6, Parts 3 and 4 (not published).

No. 6.
Moore, Raymond C.; Elledge, Emmett R.: Allen and Neosho counties
Oil and gas resources of Kansas, Part 5.

No. 6.
Oil and gas resources of Kansas, Part 6.
No. 6.
Oil and gas resources of Kansas, Part 7.

No. 7.
Fath, A. E.: Geology of the El Dorado oil and gas field, Butler county,
Kansas.

No. 8.
Elledge, Emmett R.: The economic geology of the Arkansas City district.
Teetor, Paul: Clay and shale resources in the vicinity of Arkansas City,
Kansas.

No. 9.
Twenhofel, W. H.: Geology and invertebrate paleontology of the Comanche
and “Dakota” formations of Kansas.

*No. 10.
Rubey, W. M.; Bass, N. W.: Part 1, The geology of Russell county,
Kansas.
Bramlette, M. N.: Part II, A subsurface correlation of the stratigraphic
units from Russell county to Marion county, Kansas.

*No. 11.
Part 1, Geology of Ellis county.
Part 2, Geology of Hamilton county.
Part 3, Geologic structure of the Dakota sandstone.
Part 4, Structure and limits of the Kansas salt beds.
(Bulletin of the University of Kansas, vol. 27, No. 8, 1926.)

No. 12.
Bulletin of the University of Kansas, vol. 30, No. 6, May 15, 1929.

*No. 13.
Moore, Raymond C.; Landes, Kenneth K.: Underground resources of
Kansas.
Bulletin of the University of Kansas, vol. 28, No. 17, November 1, 1927.
(Report of the Kansas state board of agriculture for the quarter ending
December, 1926.)
Topeka. State printer. 1927. 154 p. II.
No. 14.
Landes, Kenneth K.: Volcanic ash resources of Kansas.
Bulletin of the University of Kansas, vol. 29, No. 8, April 15, 1928.
Topeka. State printer. 1928. 58 p. II.

No. 15.
Wing, Monta E.: The geology of Cloud and Republic counties, Kansas.
(Bulletin of the University of Kansas, vol. 31, No. 9, May 1, 1930.

No. 16.
With a chapter on "Rocks not exposed," by J. W. Ockerman.
(Bulletin of the University of Kansas, vol. 31, No. 9, May 15,1930.)

*No. 17.
Sayre, Albert Nelson: Fauna of the drum limestone of Kansas and western Missouri.
(Reprinted from science bulletin, vol. 19, No. 8, part 2, July, 1930.)
(Bulletin of the University of Kansas, vol. 31, June 15, 1930, No. 12.)

No. 18.
Elias, Maxim K.: The geology of Wallace county, Kansas.
(Bulletin of the University of Kansas, vol. 32, No. 7, April 1, 1931.)

No. 19.
Moss, Rycroft G.: The geology of Ness and Hodgeman counties, Kansas.
(Bulletin of the University of Kansas, vol. 33, No. 18, December 1, 1932.)

*CIRCULARS

*No. 1.
Bulletins and maps.
Lawrence, Kansas. 1926. 8 p.

No. 2.
Moore, Raymond C.: Early Pennsylvanian deposits west of the Nemaha Granite ridge, Kansas.

No. 2.
Bulletins and maps.
Lawrence, Kansas. 1929. 8 p.

No. 3.
(Elias, M. K.) Diatomaceous marl from western Kansas, a possible source of hydraulic lime.
March 12, 1931. 5 p.
No. 4.
Newell, Norman D.: Mineral resources of Wyandotte county.

No. 5.
Moss, Rycroft G.: Preliminary report on ground-water resources of the
shallow water basin in Scott and Finney counties, Kansas.
n.t.p. October 1, 1933. (2) + 7 p.

No. 6.
Moore, Raymond C.: Nature and origin of Kansas soils.
Reprinted from the twenty-seventh biennial report of the Kansas state
board of agriculture.
n.t.p. 103-131 p. II. Maps.

No. 7.
n.t.p. 15 p.

*No. 8.
Landes, Kenneth K., and Ockerman, J. W.: Origin of domes in Lincoln
and Mitchell counties, Kansas.
Bulletin of the Geological Society of America, vol. 44.

No. 9.
Landes, Kenneth K.: Ground water supplies of Kansas.
(Reprinted from the Southwest Waterworks Journal, 1934.)

CONTRIBUTIONS TO PALEONTOLOGY

No. 1.
Elias, Maxim K.: Grasses and other plants from the tertiary rocks of
Kansas and Colorado.
University of Kansas science bulletin, vol. 20, No. 20, May 15, 1932.
(Issued October 1, 1932.) 333-367 p. Pl.

No. 2.
Hanna, G. Dallas: Pliocene diatoms of Wallace county, Kansas.
University of Kansas science bulletin, vol. 20, No. 21, May 15, 1932.
(Issued October 1, 1932.) n.t.p. 369-394 p. Pl.

No. 3.
Elias, Maxim K.: Cephalopods of the Pierre formation of Wallace county,
Kansas, and adjacent area.
Bulletin of the University of Kansas, vol. 34, No. 5, March 15, 1933.
University of Kansas science bulletin, vol. 21, No. 9, March 15, 1933.
(1933.) 289-363 p. Pl.
MINERAL RESOURCES

1897.
*Annual bulletin on mineral resources of Kansas, for 1897: Erasmus Haworth.

1898.
*Annual bulletin on mineral resources of Kansas, for 1898: Erasmus Haworth.

1899.
*Annual bulletin on the mineral resources of Kansas, 1899: Erasmus Haworth.
Lawrence, Kansas. May, 1900. 67 + (5) p. Pl.

1900-1901.
*Annual bulletin of the mineral resources of Kansas, for 1900 and 1901: Erasmus Haworth.
Lawrence, Kansas. May, 1902. 78 p. Pl.

1902.
*Annual bulletin on the mineral resources of Kansas, 1902: Erasmus Haworth.

1903.
*Annual bulletin on the mineral resources of Kansas, 1903: Erasmus Haworth.
Lawrence, Kansas. June, 1904. 50 p. Pl.

MINERAL RESOURCES CIRCULARS

No. 1.
Kesler, L. W.: Oil and gas resources of Kansas in 1927.
Bulletin of the University of Kansas, vol. 29, No. 11, June 1, 1928.

No. 2.
Folger, Anthony: Part 1, Development of the oil and gas resources of Kansas in 1928 and 1929.
Hall, Roy H.: Part 2, Development of the oil and gas resources of Kansas in 1930.
(Bulletin of the University of Kansas, vol. 34, February 15, 1933, No. 4.)

No. 3.
Koester, Edward A.: Development of the oil and gas resources of Kansas in 1931 and 1932.
(Bulletin of the University of Kansas, vol. 35, August 1, 1934, No. 14.)
1866.
*First annual report on the geology of Kansas for the year 1864, by B. F. Mudge.
Lawrence. John Speer. 1866. 56 p.

*Preliminary report of the geology of Kansas, by G. C. Swallow.
Lawrence, Kansas. John Speer. 1866. 198 p.

*Vol. 1.
Report on the stratigraphy of the carboniferous of Kansas and allied sub­jects: Erasmus Haworth and assistants.

*Vol. 2.
Report on the stratigraphy and general geology of western Kansas, in­cluding the upper Permian, the Cretaceous, and the Tertiary: Erasmus Haworth and assistants.

*Vol. 3.
A special report on Kansas coals prepared by the department of physical geology and mineralogy of the University: Erasmus Haworth, assisted by W. G. Crane.

*Vol. 4.

Vol. 5.
Special report on gypsum and gypsum cement plasters: G. P. Grimsley and E. H. S. Bailey, with the assistance of Erasmus Haworth.

*Vol. 6.

*Vol. 7.
Special report on mineral waters of Kansas (prepared by the department of chemistry): E. H. S. Bailey, assisted by E. B. Kuerr, W. R. Crane and D. F. McFarland.

Vol. 8.
Special report on lead and zinc: Erasmus Haworth, W. R. Crane, A. F. Rogers and other assistants.

*Vol. 9.
Special report on oil and gas of Kansas: Prepared by Erasmus Haworth and his assistants.
IX
GOVERNMENTAL RESEARCH

1927.

*Nolting, Orin F.: Municipal insurance; a survey of the practices of cities in insuring their property and liability risks.
(Bulletin of the University of Kansas, vol. 28, May 1, 1927, No. 9.)

No. 1.
Guild, Frederic H.; Snider, Clyde F.: Legislative procedure in Kansas.
Bulletin of the University of Kansas, vol. 31, No. 17, November 1, 1930.
Bureau of Governmental research and service, University of Kansas. 1930. 9 + 84 p.
Memorial Essays

X

HATTIE ELIZABETH LEWIS MEMORIAL ESSAYS

APPLIED CHRISTIANITY

*1913.

Clyde, Nathana L.: The application of the teachings and example of Christ to the relationship of the native citizen to the immigrant. First prize.

Burkholder, William: A practical application of Christianity to the American race problem. Second prize.

University of Kansas news-bulletin, vol. 14, December 6, 1913, No. 5.

Lawrence. (Department of journalism, University of Kansas.) (1913.) 57+(1).

1914.

Granger, Marshall A.: An application of the teachings of Christ to the relation of the employer to his employees. First prize.

University of Kansas news-bulletin, vol. 15, November 23, 1914, No. 9.

Lawrence, Kansas. (Department of journalism, University of Kansas.) (1914.) 28+(2) p.

1915.

Flint, Herbert: An application of the teachings of Christ to the American Japanese problem. First prize.


Lawrence. (Department of journalism, University of Kansas.) (1915.) 36+(3) p.

1916.

Nelson, Ralph W.: How Christ would organize the world. First prize.


Lawrence. (Department of journalism, University of Kansas.) (1917.) 32 p.

1917.

Watson, Charles H.: The employer, the wage earner and the law of love. First prize.

Lawrence. (Department of journalism, University of Kansas.) (1917.) 31 p.

1918.


Lawrence. (Department of journalism, University of Kansas.) (1918.) 48 p.
1921.
Albach, Robert Henry: The application of the teachings of Jesus to the responsibility of the capitalist to the public.
Lawrence. (Department of journalism, University of Kansas.) (1921.) 34 p.

1923.
Ensign, Rhea: America and the Near East. First prize. Eleventh award.
Number 9.
Lawrence. (Department of journalism, University of Kansas.) (1924.) 33 p.

*1926.
(Lawrence. Department of journalism, University of Kansas, n.d.) 39 p.

1928.
Tyler, Ernest Delbert: China at the crossroads. First prize. Fifteenth award. Number 11.
(Lawrence. Department of journalism, University of Kansas, n.d.) 44 p.

1931.
Rutledge, Leslie: Jesus' teachings and the use of leisure.
First prize. Eighteenth award. Number 12.

*1932.
Wirth, Frederick E.: Socialism: The political religion of a Christian.
n.p. 1932. 28 + (2) p.

*1933.
Johnson, Keith W.: Survival of the west.
First prize. Twentieth award. Number 14.

In 1919, 1920, 1922, 1924, 1927, 1929, and 1930 the committee found that for various reasons it was not feasible to publish the prize essays. The first prize in 1919 was taken by George E. Struble; in 1920 by John R. Barnes; in 1922 by Rhea Ensign. In 1924 the second prize (the highest given) was won by Leland Overman. In 1925 no award was made. In 1927 the first prize was taken by Pauline H. Smith. In 1929 the second prize (the highest given) was won by Stanley E. Toland. In 1930 the first prize was taken by Ernest D. Tyler.
Vol. 1, No. 1.
Bulletin of the University of Kansas, vol. 14, October 1, 1912, No. 1.

Vol. 1, No. 2.
Bulletin of the University of Kansas, vol. 15, January 1, 1914, No. 4.

Vol. 1, No. 3.
Hogrefe, Pearl: Browning and Italian art and artists.

Vol. 1, No. 4.
Bulletin of the University of Kansas, vol. 16, January 1, 1915, No. 4.

Vol. 2, No. 1.
Osborne, Edna: Oriental diction and theme in English verse, 1740-1840.

Vol. 2, No. 2.
Putnam, George E.: The land credit problem.
Bulletin of the University of Kansas, vol. 17, December 1, 1916, No. 18.

Vol. 2, No. 3.
Malin, James C.: Indian policy and westward expansion.
Bulletin of the University of Kansas, vol. 22, November 1, 1921, No. 17.

Vol. 2, No. 4.
Barnes, Nellie: American Indian verse.
Bulletin of the University of Kansas, vol. 22, December 1, 1921, No. 18.

Vol. 3, No. 1.
McQuiston, Raymer: Relation of Ralph Waldo Emerson to public affairs.
Bulletin of the University of Kansas, vol. 24, April 15, 1923, No. 8.
Vol. 3, No. 2.
Malin, James C.: The United States, 1865-1917; an interpretation.
Bulletin of the University of Kansas, vol. 25, January 15, 1924, No. 2.

Vol. 3, No. 3.
Bulletin of the University of Kansas, vol. 25, November 1, 1924, No. 17.
Lawrence. University. November, 1924. 100 p. II.

Vol. 3, No. 4.
Learned, Edmund P.: State gasoline taxes.

Vol. 4, No. 1.
Bulletin of the University of Kansas, vol. 27, September 1, 1926, No. 15.
Lawrence. Department of journalism press. September, 1926. (2) + 146 p.

Vol. 4, No. 2-3.
Bulletin of the University of Kansas, vol. 32, April 15, 1931, No. 8.
Lawrence. University of Kansas, department of journalism press. 1931.
(10) + 280 p.

Vol. 4, No. 4.
Bulletin of the University of Kansas, vol. 33, April 15, 1932, No. 8.
Addresses delivered at Kansas Newspaper Week under the auspices of the Department of Journalism, University of Kansas, May 10-14, 1914.

*No. 1.
First question before the national conference.

*No. 2.
Second and third questions before the national conference.

No. 3.
Fourth, fifth and sixth questions before the national conference.

*No. 4.
Seventh and eighth questions before the national conference.

*No. 5.
Tennal, Ralph: A modern type of country journalism.

*No. 6.
Blanchard, Frank LeRoy: Community service.

*No. 7.
Morrow, Marco: Things to tell the merchant.

*No. 8.

*No. 9.
Perry, George Hough: How country editors can get national advertising.

*No. 10.
Ball, F. M.: Circulation problems.

*No. 11.
Morrison, J. C.: Newspaper costs.

No. 12.
Gladden, Washington: Tainted newspapers, good and bad.

*No. 13.
King, Henry: When I was young as you are young.

*No. 14.
Villard, Oswald Garrison: Some weaknesses of modern journalism.
*No. 15.
Holt, Hamilton: Editor as schoolmaster.

*No. 16.
Herbert, B. B.: Training of newspaper makers.
Marcellus, George E.: Our advertising agency.

*No. 17.
Sheasgreen, Ed. E.: Printing costs.

*No. 18.
Lee, James Melvin: Selling newspaper space.

LEAFLETS

No. 1.
Dill, W. A.: Two views of news.
(Lawrence. University of Kansas, department of journalism press.) (3) p.

No. 2.
Flint, L. N.: What is a good newspaper?
(Lawrence. Department of journalism press, University of Kansas.) (3) p.

No. 3.
Benson, Ivan: Just between editors.
(Lawrence. Department of journalism press, University of Kansas.) (3) p.

No. 4.
Kistler, John J.: A little service, please.
(Lawrence. Department of journalism press, University of Kansas.) (3) p.

No. 5.
(Graves, Alfred): Courses in advertising at the University of Kansas.
(Lawrence. Department of journalism press, University of Kansas.) (5) p.

No. 6.
Some publications. By members of the staff. Department of journalism.
University of Kansas.
1930. (3) p.

No. 7.
Flint, L. N.: As a newspaper writer I will remember—

Flint, L. N.: Ten tests of a town. (Broadside.)
Lawrence. University of Kansas, department of journalism. 1 p.

PAMPHLETS

1917.
Flint, L. N.: Newspaper writing in high schools.
Lawrence, Kansas. Department of journalism press, University of Kansas.
(c.1917.) 70+ (1) p.
1919.
*Dill, W. A.: Newspaper's family tree.
Bulletin of the department of journalism.
(Lawrence.) University of Kansas, department of journalism. 1919. 22 p.

1920.
Dill, W. A.: Charting newspaper facts.
(Lawrence, Kansas. Department of journalism press, University of Kansas.) 1920. (7) p.

1920.
Flint, L. N.: The paragrapher's sprightly art.
A number in the department of journalism series. 1920.
(Lawrence, Kansas. Department of journalism press, University of Kansas. 1920.) 40 p. II.

1924.
University daily Kansan.
Almanac, 1924-'25.
Facts about the University of Kansas, including administration, athletics, and student organization, compiled by students of the department of journalism.
(Lawrence, Kansas. Department of journalism press, University of Kansas.) (1924.) 64 p.

1925.
Bulletin of the department of journalism.
(Lawrence, Kansas. Department of journalism press, University of Kansas.) September, 1925. 23 p.

1928.
Bulletin of the department of journalism.
(Lawrence. University of Kansas. April, 1928.) 80 p.

1929.
Kistler, John Joseph: An outline for the study of the history and art of printing.
Lawrence, Kansas. Department of journalism press, University of Kansas. 1929. (48) p.

1930.
Dill, William A.: Balancing the box-score.
Bulletin of the department of journalism.
Dill, William A.: Readings and exercises in specialized reporting, in eighteen assignments.
1932.

1934.
Kistler, John J.: Installation and operation of a cost-finding system for printers.
Lawrence, Kansas. Bulletin of the department of journalism, University of Kansas. 1934. 18 p.

1934.

1934.
Vol. 1.

Vol. 2.

Vol. 3.

Vol. 4.

Vol. 5.

PORTER LECTURES

Series I, delivered April 1 and 2, 1930.
Barker, Lewellys F.: The relation of psychology to medicine and recognition and treatment of commoner affective disorders.

Series II, delivered October, 1930.
Collins, Joseph: Some aspects of the art and practice of medicine.

Series III, delivered March, 1933.
Horsley, J. Shelton: Benign and cancerous gastric disturbances.
XIV

PSYCHOLOGY

STUDIES IN PSYCHOLOGY

(Not published at the University of Kansas)

No. 1.

Edited by Raymond Holder Wheeler.
Psychological monographs edited by Herbert S. Langfeld.
Psychological review publications, vol. 44, No. 1. Whole No. 197, 1933.
XV
SCIENCE
QUARTERLY

Vol. 1, July, 1892, to April, 1893.
No. 1, July, 1892.
Williston, S. W.: Kansas pterodactyls, I.
Williston, S. W., and Case, E. C.: Kansas mosasaurs, I.
Snow, W. A.: Notes and descriptions of Syrphidae.
Williston, S. W.: Diptera Brasiliana, II.
No. 2, October, 1892.
Carruth, W. H.: Dialect word list.
No. 3, January, 1893.
Williston, S. W.: On the Apioceridae and their allies.
Williston, S. W.: Diptera Brasiliana, III.
Stevens, W. C.: Notes on some diseases of grasses.
Miller, E.: Modern higher algebra.
Carruth, W. H.: Dialect word list, II.
Murphy, E. C.: Maximum bending moments for moving loads in a parabolic arch-rib hinged at the ends.
No. 4, April, 1893.
Blackmar, F. W.: Penology in Kansas.

Vol. 2, July, 1893, to April, 1894.
Lawrence. The University. 1894. (4) + 6 + 290 p. Pl.
*No. 1, July, 1893.
Murphy, E. C.: Maximum load on a lintel.
*No. 2, October, 1893.
Kellogg, V. L.: Sclerites of the head of Danais archippus Fab.
Williston, S. W.: New or little-known Diptera.
Williston, S. W.: Kansas pterodactyls, II.
Williston, S. W.: Kansas mosasaurs.
Newson, H. B.: Linear geometry of the cubic and quartic. I.

*No. 3, January, 1894.
Haworth, Erasmus; Kirk, M. Z.; Piatt, W. H. H.: Report on field
work in geology for season of 1893 by the department of physical
geology and mineralogy, University of Kansas.
Case, E. C.: A geological reconnoissance in southwest Kansas and
No Man's Land.
Case, E. C.: Traces of a glacier at Kansas City, Mo.
Snow, W. A.: Descriptions of North American Trypetidae, with notes,
part 1.

*No. 4, April, 1894.
Adams, E. D.: The control of the purse in the United States govern­
ment.
Hopkins, E. M.: The character and opinions of William Langland as
shown in "The Vision of William Concerning Piers the Plowman."
Williston, S. W.: Restoration of Aceratherium fossiger Cope.

Vol. 3, July, 1894, to April, 1895.

*No. 1, July, 1894.
Williston, S. W.: Vertebrate remains from the lowermost Cretaceous
of Kansas.
Williston, S. W.: A new turtle from the Benton Cretaceous.
Williston, S. W.: Notes on Uintacrinus socialis Grinnell.
Williston, S. W.: Restoration of Platygonus.
Williston, S. W.: The genus Dolichomyia, with description of a new
species from Colorado.
Kellogg, Vernon L.: Taxonomic value of the scales of the Lepidoptera.
Bailey, E. H. S., and Franklin, E. C.: A chemical examination of the
waters of the Kaw river and its tributaries.

*No. 2, October, 1894.
Newson, H. B.: The Hessian, Jacobian, Steinerian, etc., in geometry
of one dimension.
Murphy, E. C.: Irrigation in western Kansas.
Wellman, May H.: The prothorax of butterflies.
Emch, Arnold: A special class of connected surfaces.

No. 3, January, 1895.
Williston, S. W.: New or little known extinct vertebrates.
Snow, W. A.: Cnephalia and its allies.
Williston, S. W.: Exotic Tabanidae.
Leighton, V. L., and Cady, H. P.: Chemical analysis of counterfeit
gold dust.
Logan, William Newton: The temperature sense.
Snow, W. A.: American Platypediae II.

No. 4, April, 1895.
Williston, S. W.: Semiard Kansas.
Murphy, E. C.: Collection and storage of water in Kansas.
Snow, W. A.: Diptera of Colorado and New Mexico.
Williston, S. W.: Dialysis and Triptotricha.
Williston, S. W.: New Bombyliidae.
Haworth, Erasmus: The stratigraphy of the Kansas coal measures.
Haworth, Erasmus: Division of the Kansas coal measures.
Haworth, Erasmus: The coal fields of Kansas.

Vol. 4, July, 1895, to April, 1896.
Lawrence. The University. 1896. (10) + 252 + (3). Pl.

No. 1, July, 1895.
Blackmar, F. W.: Experiments in the solution of the labor problem.
Snow, Martha Boutelle: The servant-girl problem.
Moody, A. E.: The condition of packing house employees.
Williston, S. W.: Notes on the mandible of Ornithostoma.
Murphy, E. C.: Notes of air resistance and pressure.
Haworth, Erasmus: The Coffeyville explosion.

No. 2, October, 1895.
Newson, H. B.: Continuous groups of projective transformations treated synthetically.
Murphy, E. C.: The theoretical and measured pumping power of windmills.
Williston, S. W.: Two remarkable new genera of Diptera.
Emch, Arnold: Involutoric transformation of the straight line.

No. 3, January, 1896.
Crane, W. R.: A curvimeter.
Kirk, M. Z.: The sands of the Kansas river valley.
Crane, W. R.: "Horsebacks" in the Kansas coal measures.
Stewart, Alban: A geological section at Providence, Mo.
Murphy, E. C.: Notes on the discharge of the Kansas river at Lawrence, Kan., since 1881.
Newson, H. B.: Supplementary notes on the article on continuous groups.
Williston, S. W.: Fissicorn Tachinidae.

No. 4, April, 1896.
Williston, S. W.: Bibliography of the North American Diptera.
Emch, Arnold: Involutoric collineation in the plant and in space.
Holmes, David H.: A study of the type of the Greek Epitaphios with special reference to the oration in Thucydides.
Riggs, Elmer S.: A new species of Dinictis from the White river miocene of Wyoming.
Newson, H. B.: Continuous groups of projective transformations treated synthetically.

Lawrence, University, 1896. (6) + 138 p. Pl.
No. 1, July, 1896.
Emch, Arnold: Projective groups of perspective collineations in the plane, treated synthetically.
Riggs, E. S.: Hoplophoneus occidentalis.
Williston, S. W.: One of the dermal coverings of Hesperornis.
Hodder, F. H.: The duty of the scholar in politics.
No. 2, October, 1896.
Newson, H. B.: Continuous groups of projective transformations treated synthetically.
Rouse, John E.: The visual perception of distance.
Holmes, David H.: The limitations of the composition of verbs with prepositions in Thucydides.

Vol. 6, Series A, January, 1897, to October, 1897.
Lawrence, University, 1896. 9 + 210 p. Pl.
*No. 1, January, 1897.
Williston, S. W.: Diptera Brasiliana, part IV.
Stewart, Alban: Restoration of Oreodon culbertsonii Leidy.
Grimsley, G. P.: Gypsum in Kansas.
Williston, S. W.: Restoration of Ornithostoma (Pteranodon).
Williston, S. W.: Notice of some vertebrate remains from the Kansas Permian.
Williston, S. W.: A new Plesiosaur from the Kansas Comanche Cretaceous.
Bartow, Edward; Macomb, J. N., Jr.: Table for the calculation of analyses.
*No. 2, April, 1897.
Newson, H. B.: Types of projective transformations in the plane and in space.
Cady, Hamilton P.: A new explosive compound formed by the action of liquid ammonia upon iodin.
Dunstan, A. St. C.; Rice, M. E.; Kraus, C. A.: The effect of magnetism upon the spectral lines of sodium.
Murphy, E. C.: Results of windmill tests.
Williston, S. W.: Brachysaurus, a new genus of Mosasaurs.
Williston, S. W.: On the extremities of Tylosaurus.
Brown, Barnum: Two new species of Asilids from New Mexico.
Williston, S. W.: Restoration of Kansas mosasaurs.
Bailey, E. H. S.; Palmer, Chas. M.: Salicylic acid and calcium sulfate as preservatives of cider.
Gowell, R. C.: The myology of hind limb of the raccoon (Procyon lotor).
Stewart, Alban: Notes on the osteology of bison antiquus Leidy.

Prosser, Chas. S.: The Permian and upper Carboniferous of southern Kansas.
Williston, S. W.: Range and distribution of the mosasaurs, with remarks on synonymy.
Logan, W. N.: Some new cirriped Crustaceans from the Niobrara Cretaceous of Kansas.
Murphy, E. C.: Power of a twelve-foot "power" windmill.
Grove, Bessie E.: On new canonical forms of the binary quintic sextic.
Bailey, E. H. S.; Lange, Wm.: On the action of sulphuric acid upon strychnine, in the separation of this alkaloid from organic matter.
Williston, S. W.: A new labyrinthodont from the Kansas Carboniferous.

Carruth, W. H.: Dialect word list, No. 3.

Carruth, W. H., and Alder, Eugene C.: Pronouns used in address in Lessing’s dramas.
Carruth, W. H., and Wilkinson, Paul: Dialect word list, No. 4.

Templin, Olin: The duty of the state to the scholar.
Alder, Eugene C.: The pronouns used in address in Lessing’s dramas.

Carruth, W. H.: Pronouns of address in “The Idyls of the King.”

Shutt, C. E.: Experiments in judging the distance of sound.
Ikenberry, L. D.; Shutt, C. E.: Experiments in judging the direction of sound.
Beede, J. W.: New corals from the Kansas carboniferous.
Adams, Geo. I.: A geological map of Logan and Gove counties.
Stewart, Alban: A contribution to the knowledge of the Ichthyic fauna of the Kansas Cretaceous.
Rice, M. E.: Alternating currents in Wheatstone's bridge.
Barber, Marshall: Adulterations of buckwheat flour sold in the Lawrence market.

*No. 2, April, 1898.
Stevens, William C.: The behavior of kinoplasm and nucleolus in the division of the pollen mother cells of *Ascheptias cornuti*.
Adams, Geo. I.: Physiography of southeastern Kansas.
Stevens, William C.: Apparatus to facilitate the processes of fixing and hardening material.
Barber, Marshall A.: The preparation and use in class demonstration of certain cryptogamic plant material.

*No. 3, July, 1898.
Adams, Geo. I.: A geological reconnaissance in Grant, Garfield and Woods counties, Oklahoma.
Newson, H. B.: Normal forms of projective transformations.
Gilbert, J. Z.: On the skull of *Xerobates (?) undata* Cope.
Ward, Frank E.: A plan for increasing the capacity of the steam-heating plant of the Spooner Library, University of Kansas.
Williston, S. W.: The sacrum of Morosaurus.

*No. 4, October, 1898.
Stewart, Alban: Some notes on the genus Saurodon and allied species.
Beede, J. W.: Notes on *Campophyllum torquium* Owen, and a new variety of *Monopteria gibbosa* Meek and Worthen.
Stewart, Alban: A preliminary description of seven new species of fish from the Cretaceous of Kansas.
McClung, C. E.: Refractive index and alcohol-solvent power of a number of clearing and mounting media.
Wagner, George: On some turtle remains from the Fort Pierre.
Beede, J. W.: Preliminary notice on the correlation of the Meek and Marcou section at Nebraska City, Nebraska, with the Kansas coal measures.

Vol. 7, Series B.
Lawrence. University. 1899. (4) + 119.
Nos. 1 and 2, April, 1898.
Blackmar, F. W.: Economic and social influences of irrigation.
No. 3, July, 1898.
Canfield, A. G.: The tone of literature and the writer's responsibility.

No. 4, April, 1899.
Williston, S. W.: Some prehistoric ruins in Scott county, Kansas.

Vol. 8, Series A. Science and mathematics.


No. 1, January, 1899.
Lucas, F. A.: The characters of Bison occidentalis, the fossil bison of Kansas and Alaska.
Stewart, Alban; A preliminary description of the opercular and other cranial bones of Xiphactinus Leidy.
Barber, Marshall A.: Diphtheria in Kansas.
Stewart, Alban: Pachyrhizodus minimus, a new species of fish from the Cretaceous of Kansas.
Williston, S. W.: Some additional characters of the mosasaurs.

No. 2, April, 1899.
Newson, Henry B.: The five types of transformations of the plane.
Hunter, S. J.: The Coccidae of Kansas, II.
Beede, J. W.: Description of some new forms of Pseudomonotis from the upper coal measures of Kansas.
Dunstan, A. St. C.; Rice, M. E.: Note on the yellow helium line.
Logan, W. N.: Some additions to the Cretaceous invertebrates of Kansas.
Wagner, George: On Tetracaulodon (Tetrabelodon) shepardii Cope.
Rogers, Austin F.: Cuprogoslarite, a new variety of zinc sulphate.

No. 3, July, 1899.
Stewart, Alban: Notice of three new Cretaceous fishes, with remarks on the Sauropodontidate Cope.
Stewart, Alban: Notes on the osteology of Anogimus polymicroidus Stewart.
Beede, J. W.: New fossils from the Kansas coal measures.
Beede, J. W.; Rogers, Austin F.: New and little known pelecypods from the coal measures.
Prosser, C. S.: Note on the distribution of the Cheyenne sandstone.

No. 4, October, 1899.
Bibliography of scientific publications by members of the University of Kansas.
Williston, S. W.: A new species of Sagenodus from the Kansas coal measures.
Rogers, Austin F.: Normal ankerite from Phelps county, Missouri.
Williston, S. W.: Notes on the coracoscapula of Eryops Cope.

Vol. 8, Series B. Philology and history, October, 1899.

Lawrence, Kan., by the University. (1899.) 30 p. Maps.
(Series B discontinued with this volume.)
*No. 1, October, 1899.
Blackmar, F. W.: Taxation in Kansas, II.

Vol. 9, Series A. Science and mathematics, 1900.
No. 1, January, 1900.
Rogers, Austin F.: A new genus and new species of bryozoans from the coal measures of Kansas and Missouri.
Beede, J. W.: Two new crinoids from the Kansas Carboniferous.
Williston, S. W.: Some fish teeth from the Kansas Cretaceous.
McClung, C. E.: The spermatocyte divisions of the Acrididae.

No. 2, April, 1900.
Hunter, S. J.: Coccidae of Kansas, III.
Logan, W. N.: The stratigraphy and invertebrate faunas of the Jurassic formation in the Freeze-out hills of Wyoming.
Rogers, Austin F.: Annotated list of the minerals occurring in the Joplin lead and zinc district.

No. 3, July, 1900.
Rogers, Austin F.: Occurrence of the byryozoan genus Rhabdomeson in America.
Gould, C. N.: Stratigraphy of the McCann sandstone.
Hough, G. de N.: South America Muscidae in the collection of S. W. Williston.

No. 4, October, 1900.
Beede, J. W.; Rogers, Austin F.: Coal measures faunal studies, I.
Bartow, Edward: Microscopic comparison of samples of white arsenic.
Cady, Hamilton P.: The detection of arsenic, antimony and tine.
Harris, J. Arthur: Annotated catalogue of the crayfishes of Kansas.

Vol. 10, Series A. Science and mathematics (with general index to volumes 1-10).
Lawrence. University. 1901. (4) + 204 + 8 p.
(Vol. 10 superseded by the Kansas University Science Bulletin.)
No. 1, January, 1901.

No. 2, April, 1901.
Newson, H. B.: On the group and subgroups of real collineations leaving a tetrahedron invariant. (A new theory of collineations in space, I.)
Harris, J. Arthur: The dimorphism of Cambarus, I.
Blackman, M. W.: Spermatogenesis of the myriapods, I.

No. 3, July, 1901.
Bartow, Edward; McFarland, D. F.: Action of liquid ammonia on acid chlorides and esters.
Newson, H. B.: A new theory of collineations in space, II.
Newson, H. B.: A new theory of collineations in space, III.
Hunter, S. J.: Coccidae of Kansas, IV.

No. 4, October, 1901.
Bibliography of scientific publications by members of the University of Kansas, first supplement.
List of publications received in exchange for the Kansas University quarterly.
Contents of Kansas University quarterly, vols. I-X.
Index to authors to Kansas University quarterly, vols. I-X.
General index to Kansas University quarterly, vols. I-X.

SCIENCE BULLETIN
Vol. 1 (Continuation of Kansas University quarterly).
Nos. 5, 6, 7, 8 and 9. Bulletin of the University of Kansas. Vol. 3, No. 6, September, 1902.

No. 1, February, 1902. (Whole series, vol. 11, No. 1.)
Harris, J. Arthur: Distribution of Kansas crayfishes.
Harris, J. Arthur: Observations on pollination of Solanum rostratum.
Kuchs, Oscar M.: Dunal and Cassia chamaecrista L.

No. 2, February, 1902. (Whole series, vol. 11, No. 2.)
Baumgartner, W. J.: Spermatid transformation in Gryllus assimilis, with special reference to the nebenkern.

No. 3, March, 1902. (Whole series, vol. 11, No. 3.)
Aldrich, J. M.: Dolichopodidae of Grenada, W. I.

No. 4, April, 1902. (Whole series, vol. 11, No. 4.)

No. 5, September, 1902. (Whole series, vol. 11, No. 5.)
Newson, H. B.: Projective transformations in one dimension and their continuous groups.

No. 6, September, 1902. (Whole series, vol. 11, No. 6.)
Beede, J. W.: New fossils from the upper Carboniferous of Kansas.
Beede, J. W.: II. Variation of the spiralia in Seminula argentina (Shepard) Hall.

No. 7, September, 1902. (Whole series, vol. 11, No. 7.)
Beede, J. W.; Rogers, Austin F.: Coal measures faunal studies, II.
No. 8, September, 1902. (Whole series, vol. 11, No. 8.)
McClung, C. E.: The spermatocyte divisions of the Locustidae.

No. 9, September, 1902. (Whole series, vol. 11, No. 9.)
Williston, S. W.: I. Restoration of Dolichorhynchops osborni, a new Cretaceous plesiosaur.
Williston, S. W.: II. Notes on some new or little-known extinct reptiles.
Williston, S. W.: III. On certain homoplastic characters in aquatic air-breathing vertebrates.

No. 10, November, 1902. (Whole series, vol. 11, No. 10.)
Rogers, Austin F.: Some new American species of Cyclus from the coal measures.

No. 11, November, 1902. (Whole series, vol. 11, No. 11.)
Brewster, Helen B.: On collineations of space which leave invariant a quadric surface.

No. 12, December, 1902. (Whole series, vol. 11, No. 12.)
Van der Vries, John N.: On monoids.

Vol. 2.
No. 1, June, 1903. (Whole series, vol. 12, No. 1.)
Van der Vries, John N.: On monoids (continued).
No. 2, June, 1903. (Whole series, vol. 12, No. 2.)
Adams, C. F.: Dipterological contributions.
No. 3, June, 1903. (Whole series, vol. 12, No. 3.)
Harris, J. Arthur: An ecological catalogue of the crayfishes belonging to the genus Cambarus.
No. 4, November, 1903. (Whole series, vol. 12, No. 4.)
No. 5, November, 1903. (Whole series, vol. 12, No. 5.)
No. 6, November, 1903. (Whole series, vol. 12, No. 6.)
Diemer, Hugo: Thermal diagrams and their practical use.
No. 7, November, 1903. (Whole series, vol. 12, No. 7.)
Bailey, E. H. S.; Bartow, Edward: Some city water supplies.
No. 8, November, 1903. (Whole series, vol. 12, No. 8.)
Clark, Herbert A.: Some molecular weight determinations.
No. 9, November, 1903. (Whole series, vol. 12, No. 9.)
Meek, Walter J.: On the mouthparts on the Hemiptera.
No. 10, February, 1904. (Whole series, vol. 12, No. 10.)
Nowlin, Nadine: The vitelline body in spider eggs.

No. 11, March, 1904. (Whole series, vol. 12, No. 11.)
Ewing, Henry Z.: The functions of the nervous system, with special regard to respiration, in Acrididæ.

No. 12, May, 1904. (Whole series, vol. 12, No. 12.)
Snow, F. H.: Lists of Coleoptera, Lepidoptera, Diptera and Hemiptera collected in Arizona by the entomological expeditions of the University of Kansas in 1902 and 1903.

No. 13, June, 1904. (Whole series, vol. 12, No. 13.)

No. 14, June, 1904. (Whole series, vol. 12, No. 14.)

No. 15, June, 1904. (Whole series, vol. 12, No. 15.)
Beede, J. W.; Rogers, Austin, F.: Coal-measure faunal studies: III. Lower coal measures.

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No. 1, July, 1904. (Whole series, vol. 13, No. 1.)
Sanborn, Charles Emerson: Kansas Aphididae, with catalogue of North American Aphididæ and host-plant and plant-host list.

No. 2, October, 1905. (Whole series, vol. 13, No. 2.)

No. 3, October, 1905. (Whole series, vol. 13, No. 3.)
Scheffer, Theo. H.: List of spiders in the entomological collection of the Kansas State University.

No. 4, October, 1905. (Whole series, vol. 13, No. 4.)
Worley, John S.: Preliminary report on the experimental septic tank at the University of Kansas.

No. 5, October, 1905. (Whole series, vol. 13, No. 5.)
Palmer, Miriam A.: On the dorsal glands as characters of constant specific value in the coccid genus Parlatoria.

No. 6, October, 1905. (Whole series, vol. 13, No. 6.)
Adams, C. F.: Diptera Africana, I.

No. 7, April, 1906. (Whole series, vol. 13, No. 7.)
Roller, L. W.: Respiratory responses in the grasshopper to variations in pressure.

No. 8, April, 1906. (Whole series, vol. 13, No. 8.)
Sanborn, Charles Emerson: Kansas Aphididae, with catalogue of North American Aphididae, and with host-plant and plant-host list, part II.

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No. 9, April, 1906. (Whole series, vol. 13, No. 9.)
Scammon, Richard E.: The Unionidae of Kansas, part I.

No. 10, April, 1906. (Whole series, vol. 13, No. 10.)
Beede, J. W.; Rogers, Austin F.: Coal measures faunal studies, IV.

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No. 1, March, 1907. (Whole series, vol. 14, No. 1.)
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No. 2, March, 1907. (Whole series, vol. 14, No. 2.)

No. 3, March, 1907. (Whole series, vol. 14, No. 3.)
Beede, J. W.: Invertebrate paleontology of the upper Permian red beds of Oklahoma and the panhandle of Texas.

No. 4, March, 1907. (Whole series, vol. 14, No. 4.)

No. 5, March, 1907. (Whole series, vol. 14, No. 5.)

No. 6, March, 1907. (Whole series, vol. 14, No. 6.)

*No. 7, September, 1908. (Whole series, vol. 14, No. 7.)
McClung, C. E.: Cytology and taxonomy.

*No. 8, September, 1908. (Whole series, vol. 14, No. 8.)
McClung, C. E.: Bibliography, with brief history, of the department of zoology, University of Kansas.

*No. 9, September, 1908. (Whole series, vol. 14, No. 9.)
McClung, C. E.: Ichthyological notes of the Kansas Cretaceous, I.

*No. 10, September, 1908. (Whole series, vol. 14, No. 10.)
McClung, C. E.: Restoration of the skeleton of Bison occidentalis.

*No. 11, September, 1908. (Whole series, vol. 14, No. 11.)
McClung, C. E.: The spermatogenesis of Xiphidium fasciatum.

*No. 12, September, 1908. (Whole series, vol. 14, No. 12.)
Nowlin, Nadine: The chromosome complex of Melanoplus bivittatus Say.

*No. 13, September, 1908. (Whole series, vol. 14, No. 13.)

*No. 14, September, 1908. (Whole series, vol. 14, No. 14.)
Pinney, Edith: Organization of the chromosomes in Phrynotettix magnus.

*No. 15, September, 1908. (Whole series, vol. 14, No. 15.)
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*No. 16, September, 1908. (Whole series, vol. 14, No. 16.)
Adams, L. A.: Description of the skull and separate cranial bones of the wolf-eel (*Anarrhichthys ocellatus*).

*No. 17, September, 1908. (Whole series, vol. 14, No. 17.)
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*No. 18, September, 1908. (Whole series, vol. 14, No. 18.)
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*No. 19, September, 1908. (Whole series, vol. 14, No. 19.)
Wetmore, Alex: Notes on some Northern Arizona birds.

*No. 20, September, 1908. (Whole series, vol. 14, No. 20.)
Martin, H. T.: South American archeological notes.

Vol. 5.
Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11. Bulletin of the University of Kansas. Vol. XI, No. 7. April, 1910.

*No. 1, October, 1909. (Whole series, vol. 15, No. 1.)
Greene, F. C.: The Dakota-Permian contact in northern Kansas.

*No. 2, October, 1909. (Whole series, vol. 15, No. 2.)
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*No. 3, October, 1909. (Whole series, vol. 15, No. 3.)

*No. 4, October, 1909. (Whole series, vol. 15, No. 4.)
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*No. 5, October, 1909. (Whole series, vol. 15, No. 5.)
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*No. 6, October, 1909. (Whole series, vol. 15, No. 6.)
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*No. 7, October, 1909. (Whole series, vol. 15, No. 7.)
Sheldon, Miriam: *Koeberlinia spinosa* Zucc.: An ecological study of the anatomy of the stem and some other parts.

*No. 8, October, 1909. (Whole series, vol. 15, No. 8.)
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*No. 9, April, 1910. (Whole series, vol. 15, No. 9.)
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Agrelius, Frank U. G.: Investigations regarding the phloem and food-conduction in plants.

No. 11, April, 1910. (Whole series, vol. 15, No. 11.)
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No. 12, March, 1910. (Whole series, vol. 15, No. 12.)
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No. 13, March, 1910. (Whole series, vol. 15, No. 13.)

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No. 15, March, 1910. (Whole series, vol. 15, No. 15.)

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McClung, C. E.; Pinney, Edith: An examination of the chromosomes of *Anasa tristis*.

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No. 7, January, 1912. (Whole series, vol. 16, No. 7.)
Nowlin, Nadine: II, Cytological studies of *Femur-rubrum* and other *Melanopli*.

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Nos. 1-17. Bulletin of the University of Kansas, vol. 15, November 1, 1913, No. 2.

No. 1, June, 1913. (Whole series, vol. 17, No. 1.)
Pitcher, Arthur Dunn: The interrelations of eight fundamental properties of classes of functions.

No. 2, June, 1913. (Whole series, vol. 17, No. 2.)
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No. 6, January, 1913. (Whole series, vol. 17, No. 6.)
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No. 7, January, 1913. (Whole series, vol. 17, No. 7.)
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No. 12, January, 1913. (Whole series, vol. 17, No. 12.)
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No. 4, July, 1913. (Whole series, vol. 18, No. 4.)
Williams, Francis X.: Monograph of the Larridae of Kansas.

No. 5, July, 1913. (Whole series, vol. 18, No. 5.)
Williams, Francis X.: Notes on three Sesiidae (Lepidoptera) affecting the "Missouri gourd" (*Cucurbita foetidissima* H. B. K.) in Kansas.

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No. 7, July, 1913. (Whole series, vol. 18, No. 7.)
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Lawrence University. n.d. (4) + 298 p. Pl.

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water on trains operating in or through Kansas.

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No. 9, January, 1917. (Whole series, vol. 20, No. 9.)
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Robertson, W. Rees Brebner: Chromosome studies, IV: A deficient supernumerary accessory chromosome in a male of Tettigidea parvipennis.

Robertson, W. Rees Brebner: A mule and a horse as twins, and the inheritance of twinning.


Hanna, G. Dallas: Miocene land shells from Oregon.

Hanna, G. Dallas: Pleistocene mollusks from Wallace county, Kansas.

Peters, Rupert: Moisture requirements of germinating seeds.

† Whole series (Vol. 23) not numbered.
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No. 6, May, 1920.
Bays, Martha: Possible methods of classifying white, yellow and orange staphylococci.

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No. 8, May, 1920.
Alter, Dinsmore: Continuation of investigation of a possible rainfall period equal to one ninth of the sun-spot period.

No. 9, May, 1920.
Alter, Dinsmore: Application of Marvin's periodocrite to rainfall periodicity.

No. 10, July, 1922.
Dains, F. B.; Brewster, R. G.; Olander, C. P.: On the preparation of the aryl isothiocyanates.

No. 11, July, 1922.
Alter, Dinsmore: A rainfall period equal to one ninth of the sun-spot period.

No. 12, July, 1922.
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No. 15, July, 1920.
Downs, Cora M.: A comparison of the antigenic and cultural characteristics of a number of strains of *Bacillus typhosus*.


No. 1, October, 1922. (Whole series, vol. 24, No. 1.)
Hungerford, H. B.: Historical account of department of entomology

No. 2. (Withdrawn from publication.)

No. 3, October, 1922. (Whole series, vol. 24, No. 3.)
Lawson, P. B.: The membracidae of Kansas.

No. 4, October, 1922. (Whole series, vol. 24, No. 4.)
Lawson, P. B.: The genus Acinopterus (Homoptera, Cicadellidae).
No. 5, October, 1922. (Whole series, vol. 24, No. 5.)

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No. 7, October, 1922. (Whole series, vol. 24, No. 7.)
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No. 8, October, 1922. (Whole series, vol. 24, No. 8.)
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No. 16, October, 1922. (Whole series, vol. 24, No. 16.)
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No. 17, October, 1922. (Whole series, vol. 24, No. 17.)

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Nos. 1-6. Bulletin of the University of Kansas, vol. 26, April 1, 1925, No. 7
Lawrence, Kansas. The University. 1924. 283 p. Pl.
No. 1, December, 1924. (Whole series, vol. 25, No. 1.)
Curran, C. Howard: Contribution to a monograph of the American Syrphidae from North of Mexico.
No. 2, December, 1924. (Whole series, vol. 25, No. 2.)
Jordan, David Starr: A collection of fossil fishes in the University of Kansas from the Niobrara formation of the Cretaceous.
No. 3, December, 1924. (Whole series, vol. 25, No. 3.)
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No. 4, December, 1924. (Whole series, vol. 25, No. 4.)
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No. 5, December, 1924. (Whole series, vol. 25, No. 5.)
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No. 6, December, 1924. (Whole series, vol. 25, No. 6.)
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Vol. 16.
Lawrence, Kansas. The University. 1926. 233 p. Pl.
No. 1, March, 1926. (Whole series, vol. 26.)
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No. 2, March, 1926. (Whole series, vol. 26.)
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† Discrepancy in the whole series number; vol. 28 should be vol. 27.
‡ Discrepancy in whole series number; vol. 29 should be vol. 28.
Larson, Mary E.; Allen, Fred W.: Further studies on the reaction of Opalina to various laboratory culture media.


Linsdale, Jean M. Relations between plants and birds in the Missouri river region.

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Stouffer, E. B.; Smith, R. G.: Derivation of certain relations involving sums of determinants.

Black, Florence: A reduced system of differential equations for the invariants of ternary forms.

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