

REPORT OF THE COMMITTEE ON "A LIST OF THE SCIENTIFIC AND TECHNICAL SERIALS IN THE LIBRARIES OF THE STATE OF INDIANA."

In submitting to the Academy the final results of the work of your committee it seems desirable that some explanations should be made. The former catalogue, published in the Proceedings of 1911, owing to the short time allowed for its preparation, was compiled in such haste as to be very defective both typographically and in its completeness. It is doubtful if anyone realized the size of the task or the difficulties to be encountered when the committee was first organized. The extension of the scope of the list as well as the number of libraries to be included in the present revised list has more than doubled the size of the catalogue and has greatly multiplied the difficulties.

Owing to the wide distribution of the libraries it has not been possible for the committee to inspect the serials of every library, and the work has been largely carried on by correspondence and the cooperation of many librarians. Although this has often put a considerable burden of work upon the librarians or their assistants the committee cannot complain of any lack of genuine interest and hearty co-operation in our undertaking. It is, however, impossible to formulate a practicable set of rules for the guidance of librarians in making out their lists that will provide for all contingencies. The task of correlating the numerous items in these many lists has been extremely difficult and in frequent cases impossible with any degree of certainty. For example, what is probably the same serial appears in two different lists under slightly different titles, as for instance one says "reports," another "transactions," and without the serial at hand the committee can not determine whether these are the same or distinct series. We have tried to eliminate duplication by careful comparison with other catalogued lists. But after the utmost care there still remains a large residue of doubtful matter of this sort, while in some instances we may have identified series that should have been kept distinct. A number of titles have not been found in any of the serial catalogues which we have consulted and the doubt remains

in the minds of your committee whether some of these are not incorrectly listed.

It was intended that all volumes should be listed by the volume number when that could be determined and the date of issue given only when the volume number was not known. There has been great lack of uniformity in following this rule, which introduces considerable confusion into the lists. Your committee has no means at hand by which to correlate dates and volumes. Where it has seemed possible we have ventured to substitute volume numbers for dates, but in most cases we have found it necessary to leave the lists unchanged in this particular.

It may be found that some titles are included in the catalogue that have doubtful claim to being recognized as pertaining to serials that are either scientific or technical. As the committee could not be personally acquainted with every serial named we have trusted largely to the judgment of the librarians. A few titles, such as the *Literary Digest*, we have ventured to exclude. The inclusion of such doubtful material, however, does not seem to us a serious fault, on the principle quoted by Bolton from Zuchold that "in a bibliography it is much better that a book should be found which is not sought, than that one should be sought for and not found."

In the prosecution of this work the committee has consulted various catalogues and freely adopted suggestion from many of them. The following may be especially mentioned:

A catalogue of scientific and technical periodicals 1665-1895. Smithsonian miscellaneous collections 40.

List of serials in the University of Illinois library together with those in other libraries in Urbana and Champaign. University of Illinois Bulletin 9².

List of serials in the principal libraries of Philadelphia and its vicinity. Bulletin of the Free Library of Philadelphia. No. 8.

List of periodicals, newspapers, transactions and other serial publications currently received in the principal libraries of Boston and vicinity.

List of biological serials in the libraries of Baltimore 1901.

List of serials in University of Colorado library. University of Colorado bulletin. 13¹.

ABBREVIATIONS AND SIGNS.

- Ac. Indiana academy of science exchanges deposited in the State Library at Indianapolis. In references under this head parts of broken volumes are listed by means of index figures attached to the volume number.
- B. Butler College library, Indianapolis.
- D. DePauw University libraries, Greencastle.
- E. Earlham College library, Richmond.
- Exp. Agricultural Experiment Station, Lafayette.
- F. Franklin College library, Franklin.
- Ft. W. Fort Wayne public library.
- G. Gary public library.
- I. U. Indiana University libraries, Bloomington.
- L. P. Laporte public library.
- M. Muncie public library.
- N. D. Notre Dame University libraries, Notre Dame.
- N. H. New Harmony Workingmen's Library.
- P. Purdue University libraries, Lafayette.
- R. P. Rose Polytechnic libraries, Terre Haute.
- S. State Library, Indianapolis.
- S. N. State Normal School library, Terre Haute.
- T. H. Terre Haute, Fairbanks Memorial Library.
- W. Wabash College library, Crawfordsville.

Bold faced figures are used to indicate volume numbers. The year date (e. g. '93) is used instead of volume number when the latter is not known.

Plain Arabic figures indicate numbers of a serial that is not issued in volumes; chiefly bulletins.

Indices are used in the Academy (Ac.) lists to indicate numbers of an incomplete volume.

An asterisk (*) attached to a volume number signifies incomplete.

The plus sign (+) after the last volume number signifies that all succeeding numbers are on file and current numbers are received.

The parallels sign (||) indicates that the serial ceased publication with the preceding volume.

Roman numerals indicate numbered series.

o. s. old series.

n. s. new series.

HOWARD J. BANKER.

WILL SCOTT.

LIST OF SCIENTIFIC AND TECHNICAL SERIALS IN THE
LIBRARIES OF INDIANA.

- Abstracts of physical papers.** London, England. P. 3.
Continue las **Science** abstracts *q. v.*
- Academia de ciencias medicas fisicas y naturales de la Habana.** Havana, Cuba.
Anales. Ac. 36^{1, 18-21, 24}; N. D. 39+.
- Academia nacional de ciencias.** Cordova, Argentine Republic.
Actas. Ac. 5¹⁻³.
Boletin. Ac. 7^{1, 3, 4}, 8¹⁻³, 9, 10, 11¹⁻⁴, 12²⁻⁴, 13¹, 14^{1, 2}, 15¹⁻³, 16^{1, 4}.
- Académie des sciences.** Paris, France.
Comptes rendus. B. 152, 153: I. U. 1+: P. 140+: R. P. 104+.
- Académie impériale des sciences.** St. Petersburg, Russia.
Annual report. N. D. '12.
Bulletins. Ac. IV. 36^{1, 2}. V. 1-5, 6¹⁻⁵, 7^{1, 2}, 10⁵, 11-14, 15¹⁻⁵, 16¹⁻³, 22-25:
N. D. VI. '12+.
Musée botanique.—Travaux. N. D. '12.
- Academy of natural sciences of Philadelphia, Pa.**
Annual Reports. S. L. '91-'94.
Proceedings. Ac. '58+: B. '56-'86, '88-'93, '95+: I. U. 1+: N. D. 61+:
S. L. '67-'90, '99-'04.
- Acadian scientist.** Wolfville, Nova Scotia. Ac. 1⁵.
- Accademia dei Lincei.** Rome, Italy. See **Accademia pontificia dei nuovi Lincei**; **Reale accademia dei Lincei**.
- Accademia pontificia dei nuovi Lincei.** Rome, Italy.
Atti. Ac. 51-57, 58²⁻⁷, 59+.
See also **Reale accademia dei Lincei**.
- Acetylene journal.** Chicago, Ill. N. D. 7*, 8*, 9-11, 12*.
- Acta mathematica.** Stockholm, Sweden. I. U. 1+.
- Aeronautics.** New York. Ft. W. 12+.
- Agassiz association.** See **Wilson bulletin**.
- Agassiz companion.** Wyandotte, Kan. Ac. 1^{2, 3}, 2², 3⁶.
- Agricultural advertising.** Chicago, Ill. Exp. 19*, 20, 21, 22*.
- Agricultural gazette.** London, England. Exp. n. s. 11-14: P. 67+.
- Agricultural gazette of New South Wales.** Sidney, Australia. Exp. 1-7, 8*, 9*, 10*, 11, 12*, 13-20, 21*, 22+: N. D. 22+: P. 16*, 17+.
- Agricultural journal.** Tokyo, Japan. Exp. 46-57, 59+.

- Agricultural journal of India.** Calcutta. Exp. 1-5*, 6, 7*, 8+: P. 2, 3.
- Agricultural journal of the Union of South Africa.** Pretoria. Exp. 1*, 2-4: N. D. 1+: P. 1*, 2, 5*, 6*.
- Agricultural news.** Barbadoes, West Indies. N. D. 12+.
- Agricultural science.** State College, Pa. Exp. 1-8||: P. 1-5.
- Continued as
- Agricultural science journal.** State College, Pa. Exp. 2*, 3.
- Aircraft.** New York. Ft. W. 4+.
- Alabama.** Agricultural experiment station. Auburn.
Annual report. Exp. 1+: P. 2, 4, 6, 9, 11+.
Bulletin. D. 80, 90: Exp. 1-154, 156, 158+: P. 1-47, 49+: S. L. 149-151, 153, 154, 156-159.
- Alabama.** Agricultural experiment station. Uniontown.
Annual report. Exp. 1-3, 11+: P. 2, 3, 12.
Bulletin. Exp. 1+: P. 1+.
- Alabama.** Agricultural experiment station. Tuskegee.
Bulletin. Exp. 1, 3-16, 18+: P. 1, 3-12, 15+.
Farmers' leaflets. Exp. 6, 8-16: P. 7, 8, 10-16.
Teachers' leaflets. Exp. 2.
- Alabama.** Agricultural experiment station. Wetumpka.
Annual report. Exp. 4-6.
- Alabama.** Agriculture, Department of. Auburn.
Bulletin. Exp. '06-'08, '11+.
Report of commissioner. Exp. '92.
- Alabama.** Geological survey. D. '81-'82.
- Alabama.** State veterinarian. Auburn.
Report. Exp. 2-4: P. 1-4.
- Alaska.** Agricultural experiment station. Sitka.
Annual report. D. '06+: Exp. '00, '03+: P. '98+: R. P. '06, '07: S. L. '06+.
Bulletin. D. 2, 3: Exp. 1+: P. 1+: R. P. 1-3: S. N. '02.
- Alavoura.** Brazil. Exp. II. 4*, 5*, 6*, 10*-13*.
- Albany (N. Y.), institute.**
Transactions. S. L. 4.
- Alberta.** Agriculture, Department of.
Annual report. S. L. '08-'10.
- Alkaloidal clinic.** Chicago, Ill. N. D. 10*, 11*, 12*+.
- Continued as **American journal of clinical medicine** *q. v.*

- Amateur sportsman. New York. Exp. 45*, 46*.
- American academy of arts and sciences. Boston.
Memoirs. P. 13*: R. P. n. s. 1-9: S. L. 1-4.
Proceedings. Ac. 34+: P. 40*, 41*: R. P. 1-7, 9-16: S. N. 34-37.
- American academy of medicine. Easton, Pa.
Bulletin. I. U. 6+.
- American agricultural association.
Journal. Exp. 1*.
- American agriculturist. New York. Exp. 38-40: M. 34-49: S. L. 59, 60, 62, 64-94.
- American amateur photographer. New York. N. D. 19*, 20*.
Combined with **Photo** beacon *q. r.*
- American analyst. New York. Exp. 5.
- American annual of photography and photographic times almanac. New York. N. D. 93-96.
- American anthropological association. New York.
Memoirs. S. L. 1, 2*.
- American anthropologist. Washington, D. C.; New York. I. U. 1-11||; n. s. 1+; S. L. 1-11||; n. s. 1+.
- American antiquarian and oriental journal. Cleveland Ohio; Chicago, Ill.
Ac. 3², 6³, 11⁵, 14²: S. L. 16-18: W. 1-6.
- American antiquarian society. Worcester, Mass.
Proceedings. R. P. n. s. 1, 3*.
Transactions. S. N. 12.
- American apple growers congress. Columbia, Mo.
Transactions. Exp. 1-5.
- American architect and building news. Boston, Mass.; New York. Ft. W. 99, 101+: G. 103+: M. 9-12: N. D. 93*, 94*, 95*, 96*, 97+: R. P. 21+.
- American association for the advancement of science. Washington, D. C.
Proceedings. E. 20-25, 39, 40, 42, 43, 52, 54-62: I. U. 2, 4, 6, 15-39, 44-50, 58+: N. H. 2-6, 20-37, 39-48: P. 29+: R. P. 1-41, 43-45, 59-61: S. L. 1-62: S. N. 1-44: W. 36-57.
- American association of geologists and naturalists. See **Association** of American geologists, etc.
- American association of nurserymen.
Annual report. Exp. '05-'11.
- American bee journal. Philadelphia, Pa.; Washington, D. C.; Chicago, Ill.
Exp. 1-10, 24-29.

- American blacksmith.** Buffalo, N. Y. Ft. W. 12+.
- American botanist.** Binghamton, N. Y.; Joliet, Ill. D. 1-17: N. D. 15+.
- American breeders' association.**
 Proceedings. Exp. 3, 4: P. 1, 2, 4, 6+.
- American builder and journal of art.** Chicago, Ill. M. '72.
- American carpenter and builder.** Chicago, Ill. Ft. W. 7+: G. 7+.
- American ceramic society.** Columbus, Ohio.
 Transactions. P. 1+.
- American chemical journal.** Baltimore, Md. B. 8+: D. 1+: E. 39+: I. U. 8+: N. D. 17-42, 49+: P. 1+: R. P. 17+: W. 1+.
- American chemical society.** New York; Easton, Pa.
 Chemical abstracts. D. 1+: Exp. 2+: G. 7+: I. U. 1+: N. D. 1, 2, 6*, 7+: P. 1+: W. 1+.
 Journal. D. 15+: Exp. 17*, 18*, 20*, 21*, 22*, 23*, 26*, 29+: Ft. W. 35+: G. 32+: I. U. 28+: N. D. 1, 2, 6-16, 18, 21-24, 25*, 26-30, 31*-33*, 34+: P. 1+: R. P. 15+: S. L. 21, 23+: W. 15, 16, 24+.
 Proceedings. I. U. 31, 32, 34, 36+.
 Review of American chemical research. N. D. 11, 12||: P. 9-12||.
 Continued as **Chemical abstracts** *q. v.*
- American chemist.** New York. R. P. 1-7: W. 1-4.
- American city.** New York. Ft. W. 2+: G. 1+: I. U. 6+: M. 2+: N. D. 2+: P. 1+: S. N. 1+: T. H. 1+.
- American conchology.** New Harmony, Ind. N. H. 1*.
- American cranberry association.**
 Proceedings. Exp. '06-'11.
- American druggist and pharmaceutical record.** New York. N. D. 41*-43*, 44, 45, 46, 47-53, 54*-59*+: P. 14+.
 Continues **New remedies** *q. v.*
- American electrician.** New York. Ft. W. 14-17||: M. 9-14, 16, 17||: P. 8-11, 12*, 13-17||: R. P. 11-17||.
 Continued in **Electrical world** *q. v.*
- American electro-chemical society.** Philadelphia, Pa.
 Transactions. P. 1+: R. P. 3.
- American engineer.** Chicago, Ill. R. P. 9-21.
- American engineer and railroad journal.** New York. Ft. W. 81-86: N. D. 68, 69*, 79*, 80*: P. 67+: R. P. 71+.
 Continues **Railroad** and engineering journal *q. v.*; **National car and locomotive builder**; **American railroad journal** *q. v.*; **Van Nostrand's engineering magazine** *q. v.*

- American entomological society.** Philadelphia, Pa.
Transactions. S. L. 8-34, 38*.
- American entomologist.** St. Louis, Mo.; New York. N. H. 1-3||.
Volume 2 is known as **American entomologist and botanist**.
- American ephemeris and nautical almanac.** See **United States**. Nautical almanac office.
- American ethnology.** See **United States**. Ethnology, Bureau of American.
- American farmer.** Baltimore, Md. S. L. 1-15.
- American farmer.** Indianapolis, Ind. Exp. 24*.
- American farmer's magazine.** New York. S. L. 11-12.
- American fern journal.** Auburndale, Boston, Mass. N. D. 1+.
- American fertilizer.** Philadelphia, Pa. Exp. 1*, 2*, 3-4, 5*, 12, 13*, 14-17, 18*, 19*, 20-29, 30*, 31*, 32-38*.
- American florist.** Chicago, Ill. Exp. 39+.
- American florists and ornamental horticulturists.** New York.
Report. Exp. 5-6, 9-11, 13-18, 20-28.
- American forestry.** Washington, D. C.
D. 16-18: Exp. 16, 17*: Ft. W. 17+: N. H. 16+: P. 16+: S. L. 13+.
Formerly **Conservation q. r.**
- American forestry association.** Washington, D. C.
Proceedings. P. 1-8: S. L. '82, '91, '92, '93.
- American forestry congress.** Washington, D. C.
Proceedings. Exp. '92: P. 4.
- American fruit and nut journal.** Petersburg, Va. Exp. 4*, 5, 6*.
- American fruits.** Rochester, N. Y. Exp. 1, 2*, 3-5, 6*, 7*, 9-11, 12*.
- American garden.** New York. P. 1-10.
Continued as **American gardening**.
- American gas institute.**
Proceedings. P. 1+: R. P. 2+.
- American geographical society.** New York.
Bulletin. Ac. 34¹⁻⁵, 35¹⁻⁵, 36-40¹⁻¹², 41¹: I. U. 34+: S. N. 34+.
Journal. Ac. 14⁶, 15⁷, 16⁵, 17^{1, 2, 4, 5}, 18²⁻⁵, 19¹⁻³, 20¹⁻⁴, 21¹⁻⁴, 22^{1, 3, 4}, 23¹⁻³, 26², 30³⁻⁵, 31¹⁻⁵, 32¹⁻⁵, 33¹⁻⁵: I. U. 1-33||: S. N. 28-33||.
Continued as the **Bulletin q. r.**
- American geologist.** Minneapolis, Minn. B. 10-23: E. 29-36||: I. U. 1-36||: N. D. 5*, 7¹, 8, 9, 10*, 11*, 12-14, 17-32, 33*, 34-36||: N. H. 1*, 2*, 3*, 4*, 5*: S. N. 12-36||: W. 11-26.
Continued by **Economic geology q. r.**

- American** hay, flour and feed journal. New York. Exp. 3*, 7*, 8, 9*, 11-13, 20+.
- American** health. New Haven, Conn. P. 1*, 2*.
- American** Herford journal. Kansas City, Mo. Exp. 1*, 2+.
- American** homes and gardens. New York. G. 7+: L. P. 1+: M. 1+: R. P. 1+: S. N. 1+: T. H. 4+.
- Continues **Scientific American**: Building edition *q. v.*
- American** horticultural society. Greencastle; Indianapolis, Ind.
Transactions. Exp. 1-5: S. L. 3, 4, 6.
- American** horticulturist. I. U. '85-'86.
- American** institute of architects. Washington, D. C.
Proceedings. P. 23-28, 34+.
Quarterly bulletin. P. 10+.
- American** institute of electrical engineers. New York.
Proceedings. Ft. W. 31+: R. P. 24+.
Transactions. P. 1-4, 6+: R. P. 10-21, 28+.
- American** institute of mining engineers. New York.
Transactions. R. P. 1+.
- American** institute of the city of New York.
Transactions. P. 6.
- American** inventor. Washington, D. C. N. D. 15*, 16*.
Absorbed **Popular science news** *q. v.*
- American** journal of anatomy. Baltimore, Md. F. 2: I. U. 3+: P. 5+: S. N. 1+.
- American** journal of archaeology. Princeton, N. J.; New York; and Norwood, Mass. D. 1-11; II. 1+: E. II. 1-12, 16+: I. U. 1-11; II. 1+: N. D. 1, 2: S. N. II. 1+: W. 8-11; II. 1+.
- American** journal of clinical medicine. Chicago, Ill. N. D. 13*-19*.
Continues **Alkaloidal clinic** *q. v.*
- American** journal of conchology. Philadelphia, Pa. P. 1-7||.
- American** journal of diseases of children. Chicago, Ill. I. U. 1+.
- American** journal of forestry. Cincinnati, O. Ac. 1¹.
- American** journal of mathematics. Baltimore, Md. D. 1-16: B. 25+: F. 1, 2: I. U. 1+: P. 1+: W. 15+.
- American** journal of medical sciences. Philadelphia, Pa. M. 1-23, 25-119, 131+: N. D. n. s. 57-64: N. H. 4-6; n s. 28-164: T. H. 2-5, 9, 19, 20, 23, 25, 27, 33, 38, 40, 46, 49, 88, 91, 92-108, 115-120, 122-129, 137+.
- American** journal of microscopy and popular science. New York. Ac. 3⁶⁻¹², 4¹, 6¹: D. 1, 2: R. P. 1-5.

- American journal of pharmacy.** Philadelphia, Pa. P. 54, 55, 58+: R. P. III. 1-18; IV. 1, 2.
- American journal of physiology.** Boston, Mass. D. 15-20: F. 29+: I. U. 1+: P. 13+: S. N. 1+: W. 5-7.
- American journal of psychology.** Baltimore, Md.; Worcester, Mass. E. 2-6, 12, 14, 16, 17: F. 2, 3, 19+: I. U. 1+: P. 19+: S. N. 1+: W. 10-18.
- American journal of public health.** New York. See **American public health association.** Journal.
- American journal of public hygiene.** Boston, Mass.; Columbus, O. Exp. n. s. 1*, 2*, 3-6: P. n. s. 1-6.
Continues as **American public health association.** Journal. *q. e.*
- American journal of religious psychology.** Worcester, Mass. I. U. 1+: S. N. 1+.
Volumes 1-4 called **Journal of religious psychology and education.**
- American journal of science.** New Haven, Conn. B. III. 11-16, 19-50; IV. 1-23, 25-33: D. 10, 11: E. IV. 27+: Exp. 37*, 38*: I. U. 1-10, 12, 14-50; II. 1-50; III. 1-50; IV. 1-5, 7+: N. D. 8*, 9*, 11*, 12*, 49, 50*: N. H. I. 45, 47, 49, 50; II. 1-8, 17-20; III. 1-12: P. 1+: R. P. 1+: S. N. 100+: W. 1-150, n. s. 1-28.
Called **American journal of science and arts** until 1879. Also known as **Silliman's journal.**
- American journal of the medical sciences.** Philadelphia, Pa.; New York. D. o. s. 38-41; n. s. 29-36, 129-133, 135-152: I. U. 133-138, 140+.
- American machinist.** New York. Ft. W. 30+: G. 32+: L. P. 36*+: M. 10+: N. D. 22+: P. 5-8, 10-14, 16+: R. P. 6+.
- American mathematical monthly.** Kidder; Springfield, Mo. I. U. 1+: N. D. 4, 6, 7, 12+: P. 1-8, 12+: S. N. 4+: W. 5+.
- American mathematical society.** New York.
Bulletin. D. II. 1-6: I. U. 1+: P. II. 1+: S. N. 1, 3+: W. 8+.
Transactions. I. U. 1+: P. 1+.
- American medical association.** Chicago, Ill.; Philadelphia, Pa.
Journal. Exp. 54*, 55+: I. U. 41+: M. 1-54, 57+: N. H. 1-4: P. 1-3, 9-22, 36, 38, 40+*: T. H. 1+.
Transactions. N. H. 10, 24, 32.
- American microscopical society.** Washington, D. C.; Decatur, Iowa.
Transactions. D. 30+.
- American midland naturalist.** Notre Dame, Ind. E. 1: Exp. 1+: N. D. 1+: P. 1, 2*+.
- American miller.** Chicago, Ill. Exp. 39+.

- American** monthly magazine and critical review. New York. M. 18, 20+:
N. D. 1-3.
- American** monthly microscopical journal. Washington, D. C. Ac. 1-4¹⁻¹²,
5¹, 9⁴, 10⁵, 19¹. 3-12, 20-21¹⁻¹², 22¹⁻⁵, 7-10, 12, 23¹⁻⁶: D. 1, 10-15, 18-23*,
N. D. 8*-10*, 11-18, 21: P. 2: R. P. 1-2: W. 1-5, 13-15.
- American** museum journal. New York. N. D. 9+.
- American** museum of natural history. New York.
Annual report. Ac. '70-'89: N. D. 40+: S. L. '90-'92.
Bulletin. Ac. 1¹⁻⁵: P. 8: S. L. 2-11, 13-18.
Memoirs. I. U. 1: S. L. 1*, 2*, 3*, 4*.
- American** national live stock association. See **National** live stock association.
- American** naturalist. Salem, Mass.; Philadelphia, Pa.; Boston, Mass. B.
1-6, 11-24, 26+: D. 1-5, 20+: E. 1-4, 7, 40+: F. 1-4, 11-13: I. U.
10-13, 16+: M. 1: N. D. 2, 6, 23, 24*, 25, 26*, 27, 28: N. H. 1-3: P.
1-8, 10*, 11+: S. L. 1+: S. N. 1-22, 24+: W. 1+.
- American** pharmaceutical association. Chicago, Ill.
Bulletin. N. D. 2-6: P. 5+.
Journal. N. D. 1*.
Proceedings. I. U. '02-'05: N. D. 55: P. 6, 10, 14, 15, 32+: S. L. 1-40,
42+.
- American** philosophical society. Philadelphia, Pa.
Proceedings. Ac. 27-38, 47, 48, 51-156, 157+: Exp. 30+: I. U. 5-36, 38:
R. P. 16-23, 27, 28: S. L. 27-38, 47, 48, 51-156.
Transactions. N. D. n. s. 34: N. H. n. s. 1.
- American** photography. Boston, Mass. Ft. W. 1+.
- American** physical education review. Boston, Mass. G. 17+: I. U. 1+: S. N.
1+.
- American** polytechnic journal. Washington, D. C. N. H. 1, 2, 4.
- American** pomological society. Boston, Mass.
Proceedings. Exp. 15, 16, 18-20, 22-32: P. 15, 16, 18-20, 22+.
Bulletin. Exp. 1, 3.
- American** poultry advocate. Syracuse, N. Y. Exp. 17*, 18*, 19+.
- American** poultry association.
Proceedings. P. 29-33, 37.
- American** public health association. New York.
Journal. Exp. n. s. 1+: F. n. s. 1: P. n. s. 1+: S. L. n. s. 2+.
Formerly **American** journal of public hygiene *q. v.*
Papers and reports. S. L. 1-2, 4-36.

- American** quarterly microscopical journal. New York. R. P. 1-3.
- American** railroad journal. New York. N. H. 1-6: S. L. 1-6.
Continued in **American** engineer and railroad journal *q. v.*
- American** railway bridge and building association.
Proceedings. P. 18+.
- American** railway engineering and maintenance of way association. Chicago, Ill.
Bulletin. P. '02*+.
Proceedings. P. 1+.
- American** railway master mechanics' association. New York.
Annual report. Ft. W. 2-17.
Proceedings. P. 1-5, 8-17, 20+.
- American** road builders' congress.
Reports. P. 1.
- American** sheep-breeder and wool-grower. Chicago, Ill. Exp. 30*, 31+:
P. 25+.
- American** society for psychical research. Boston, Mass.
Journal. S. N. 1, 2, 4+.
Proceedings. I. U. 1*: S. N. 1+.
- American** society for testing materials.
Proceedings. P. 1+: R. P. 2-8.
- American** society of agricultural engineers.
Transactions. P. 1+: R. P. 1+.
- American** society of agronomy.
Proceedings. P. 1+.
- American** society of civil engineers. New York.
Proceedings. Ft. W. 33+: P. 3-6, 12-17, 22.
Transactions. G. 66+: P. 6-67: R. P. 43, 44, 60+: S. L. 2, 29, 30, 49, 52, 54.
- American** society of heating and ventilating engineers. New York.
Transactions. P. 1+.
- American** society of mechanical engineers. New York.
Journal. G. 34+: N. D. 32-34.
Transactions. G. 31+: N. D. 17, 18: P. 1+: R. P. 1+.
- American** society of municipal improvements. Cincinnati, O.
Proceedings. P. 14.
- American** stock journal. New York. S. L. 1, 2.
- American** street railway association. Brooklyn, N. Y.
Report. P. 4-24.

- American sugar industry and beet sugar gazette.** Chicago, Ill. Exp. 6*, 7, 8, 9*, 10-12, 13*, 14+.
- American swineherd.** Chicago, Ill. Exp. 26, 27, 28*, 29+.
- American telephone journal.** New York. P. 5*, 6-18||.
Continued in **Telephony** *q. v.*
- American veterinary medical association.** St. Paul, Minn.
Proceedings. Exp. '90-'93, '96+.
- American veterinary review.** New York. Exp. 12, 14+.
- American water works association.** New York.
Proceedings. P. 18+.
- American wool and cotton reporter.** Boston, Mass. Exp. 25*, 26+.
- Analyst (Chem.).** London, England. Exp. 13*, 14, 15*, 16-21, 22*: I. U. 1-10: P. 8+.
- Analyst (Math.).** Des Moines, Ia. I. U. 1-10||: P. 1-10||.
Continued as **Annals of mathematics** *q. v.*
- Anatomical record.** Philadelphia, Pa. I. U. 1+: P. 1+: S. N. 1+.
- Anatomischer Anzeiger.** Jena, Germany. B. 13-33, 35*, 36*, 37*, 38*, 39*, 40*: I. U. 1-38, 40+.
- Ancona world.** Franklinville, N. Y. Exp. 1*-4*.
- Annalen der Chemie und Pharmacie (Liebig).** Heidelberg; Leipzig, Germany.
D. 1+: Exp. 1-236, 241-300: P. 293, 295, 297, 299, 301-316, 321+: W. 285-350.
Supplement. D.1-8: Exp. 1-8.
- Annalen der Physik und Chemie.** Halle; Leipzig, Germany. I. U. n. s. 48-72;
IV. 1+: N. D. '09+: P. III. 1+: S. L. 37+: W. 16+.
Beiblatter. I. U. 17+: N. D. '09, '10: P. 31+.
- Annales de chimie et de physique.** Paris, France. B. 7-9: I. U. VI. 28, 30;
VII. 2-30; VIII. 1+: N. D. VII. 16-19, 20-30; VIII. 1-4, 5*-7*.
- Annales de géographie.** Paris, France. I. U. 7+: S. N. 8+.
- Annales de la science agronomique française et étrangère.** Paris, France.
Exp. o. s. '89, '90; II. '03-'05.
- Annales de paléontologie.** Paris, France. I. U. 1+.
- Annales des ponts et chaussées.** Paris, France. R. P. VI. 15+.
- Annales des sciences naturelles: botanique.** Paris, France. Exp. VII. 7, 8:
I. U. VII. 7, 9-20; VIII. 1-22; IX. 1+: W. VII. 19, 20; VIII. 2-14.
- Annales des sciences naturelles: zoologie et paléontologie.** Paris, France.
I. U. 7, 8.
- Annales historico-naturales musei nationalis hungarici.** Budapest, Hungary.
Ac. 1+.

- Annales mycologici.** Berlin, Germany. Exp. 1-2, 9+.
- Annales scientifiques de l'école normale supérieure.** Paris, France. I. U. I. 1-7; II. 1-12; III. 1+.
- Annali della regia scuola superiore di agricoltura in Portici.** Naples, Italy. Exp. II. 2-4, 9.
- Annali di botanica.** Rome, Italy. N. D. 10+.
- Annali di mathematica pura et applicata.** Rome; Milan, Italy. I. U. III. 17+.
- Annals and magazine of natural history.** London, England. I. U. VII. 6, 9, 10, 17.
- Annals of botany.** London, England. D. 1-7, 14, 17+; I. U. 1+; P. 1+; S. N. 1+; W. 7.
- Annals of hygiene.** Philadelphia, Pa. M. S.
- Annals of mathematics.** Charlottesville, Va.; Cambridge, Mass. D. 1-6; I. U. o. s. 1-12; n. s. 1+; P. II. 1+; R. P. 1+; W. 1-12, n. s. 1+. Continues *Analyst (math.) q. v.*
- Annals of nature and Annual synopsis of new genera and species of animals, plants, etc.** Lexington, Ky. N. D. 1||.
- Annals of science.** Cleveland, O. R. P. 1, 2.
- Année biologique.** Paris, France. I. U. 1+.
- Année psychologique.** Paris, France. I. U. 1+.
- Année scientifique.** Paris, France. N. D. 1-9.
- Année sociologique.** Paris, France. I. U. 1+.
- Annual of scientific discovery.** Boston, Mass. D. '50-'62, '65, '68-'71; I. U. 1-6, 10, 16-19, 21; N. H. '50-'54, '56, '57, '60, '64, '66-'69, '71; R. P. '50-'70; W. '51-'70.
- Annual record of science and industry.** New York. D. '71-'73; N. H. '71, '72; W. '71-'76.
- Annual register.** London, England. N. H. 1-153.
- Annual report on the progress of chemistry.** B. 5-7; P. 1+; W. 1-8.
- Anthropological institute of New York.**
Journal. S. L. 1, 2.
- Anthropos.** Vienna, Austria. I. U. 6+.
- Aquila.** Budapest, Hungary. N. D. '12+.
- Arbeiten aus der kaiserlichen Gesundheitsamte.** Berlin, Germany. I. U. 24-37, 39.
- Arboriculture.** Chicago, Ill.; Indianapolis; Connersville, Ind. Exp. 1*, 2, 3, 4*, 5*, 6, 7*, 8||; L. P. 2*; P. 1-8||.

- Architects' and builders' magazine.** New York. Ft. W. o. s. 42: G. o. s. 44+: N. D. 3*, 38*-43*.
Continues as **Architecture and building.**
- Architectural record.** New York. Ft. W. 13+: G. 25+: M. 1+: N. D. 19*-21*, 25*-32*: P. 23+: R. P. 31+: S. N. 1+.
- Architectural review.** Boston, Mass. G. n. s. 1+: N. D. 11*-17*, 18+.
- Architectural review and American builders journal.** Philadelphia, Pa. N. H. 1.
- Archiv der Mathematik und Physik.** Leipsig, Germany. I. U. 1-70; II. 1-17; III. 1+: P. 9+.
- Archiv der Pharmæcie.** Berlin, Germany. I. U. 236, 238+.
- Archiv für Anatomie und Physiologie.** Leipzig, Germany. I. U. 1+.
- Archiv für die gesammte Physiologie des Menschen und der Thiere.** Bonn, Germany. D. 27, 28: I. U. 1+: P. 106+.
- Archiv für die gesammte Psychologie.** Leipzig, Germany. I. U. 1+.
- Archiv für Entwicklungsmechanik der Organismen.** Leipzig, Germany. I. U. 1+.
- Archiv für mikroskopische Anatomie und Entwicklungsgeschichte.** Bonn, Germany. I. U. 1+.
- Archiv für pathologische Anatomie und Physiologie und für klinische Medicin.** Berlin, Germany. I. U. 1+.
- Archiv für Rassen und Gesellschaft-Biologie.** Berlin, Germany. I. U. 1+.
- Archiv für Sozialwissenschaft und Sozialpolitik.** Tübingen, Germany. I. U. 32+.
- Archiv für Zellforschung.** Leipzig, Germany. I. U. 5+.
- Archives de Biologie.** Ghent, Belgium; Paris, France. I. U. 11, 12, 18, 21*.
- Archives de médecine experimentale.** Paris, France. I. U. 18+.
- Archives de parasitologie.** Paris, France. I. U. 10-11, 13+.
- Archives de zoologie experimentale et generale.** Paris, France. I. U. II. 9, 10.
- Archives of comparative medicine and surgery.** New York. Exp. 1.
- Archives of internal medicine.** M. 3-5.
- Archives of neurology and psychiatry.** London, England. I. U. 1+.
- Archives of philosophy, psychology and scientific methods.** New York. I. U. 1.
- Archives of psychology.** New York. I. U. 1+.
- Archives of scientific and practical medicine.** Philadelphia, Pa. D. 1*||.
- Arizona.** Agricultural experiment station. Tucson.
Annual report. Exp. 1, 2, 6+: P. 1, 2, 6+: S. L. '09.
Bulletin. D. 34: Exp. 1+: P. 1-39, 41+: S. L. '10+.

- Arizona.** Horticultural commission.
Annual report. P. 1+.
- Arkansas.** Agricultural experiment station. Fayetteville.
Annual report. Exp. 1+: P. 2, 3, 17, 20+.
Bulletin. Exp. 1+: P. 1+.
- Arkansas.** Geological survey. Little Rock.
Annual report. I. U. '57-'60, '88-'92: N. H. '88: P. 88-92*: R. P. '88-'90:
S. N. '92, '09.
Report of a geological reconnaissance of the northern counties. N. H.
1, 2.
- Arkansas (State) horticultural society.** Little Rock.
Annual report. Exp. 24, 29+.
- Arkiv för botanik.** Stockholm, Sweden. N. D. 8+.
- Arkiv för zoologi.** Stockholm, Sweden. N. D. 5+.
- Art amateur.** New York. M. 7-11, 24, 25: N. D. 15, 16*, 17-21, 24-30, 35-38:
P. 3-30: R. P. 17-45: S. N. 36-48.
- Art interchange.** New York. M. 18-23, 39-51.
- Art journal.** London, England. P. 4-6.
- Asiatic society of Bengal.** Calcutta, India.
Proceedings. Ae. '85^{1-4, 6-10}, '86^{1-4, 6, 8-10}, '87¹⁻¹⁰, '88-'91, '92¹⁻⁹, '93^{2-6, 8-10}, '94¹⁻¹⁰, '95, '96, '97^{1-4, 9-11}, '98¹⁻¹¹, '99, '00¹⁻⁴.
- Asiatic society of Japan.** Tokio.
Transactions. R. P. 7*, 8*.
- Association française pour l'avancement des sciences.** Paris, France. N.
D. '87.
- Association géodésique internationale.**
Comptes rendus des séances de l'association.
R. P. '93+.
- Association of American agricultural colleges and experiment stations.**
Proceedings. Exp. '10+: P. 2+.
- Association of American geologists and naturalists.**
Reports. S. L. 1-3.
- Association of American medical colleges.**
Proceedings. I. U. 8, 18+.
- Association of American Portland cement manufacturers.** Philadelphia, Pa.
Bulletin. Exp. 10, 18-23, 25+.
- Association of engineering societies.** Boston, Mass.
Journal. P. 1+: R. P. 1+.

- Associazione elettrotecnica italiana.** Milan, Italy.
Atti. P. 1-7.
- Astronomical journal.** Boston, Mass.; Albany, N. Y. D. 7+: I. U. 2+: W. 13-21.
- Astronomical society of the Pacific.** San Francisco, Cal.
Publications. I. U. 1+.
- Astronomie.** Paris, France. I. U. 1-4.
- Astronomische Nachrichten.** Kiel, Germany. D. 113-138: I. U. 55-58, 107, 111, 118, 121-122, 124+.
- Astronomy and astro-physics.** Northfield, Minn. D. 11-13||: I. U. 11-13||: W. 11-13||.
Continues **Siderial messenger** *q. v.* Continued as **Astrophysical journal** *q. v.*
- Astrophysical journal.** Chicago, Ill. D. 1+: B. 2-6, 11+: I. U. 1+: N. D. 1*, 2, 3*, 24*, 26*: P. 7, 19-27, 29+: W. 1-6, 17+.
Continues **Astronomy** and **astrophysics** *q. v.*
- Atlantic deeper waterways association.**
Proceedings. P. 1-3, 5+.
- Atlantic journal and friend of knowledge.** Philadelphia, Pa. N. D. 1.
- Augustana college.** Rock Island, Ill.
Library publications. P. 4-6.
- Auk.** Cambridge, Mass.; New York. Ac. 26¹: E. 22, 25, 26, 28, 29.
- Australian association for the advancement of science.** Sidney, Australia.
Report. Ac. 7-12.
- Automobile.** New York. P. 12+.
- Automobile trade journal.** Philadelphia, Pa., P. 9+.
- Ayrshire breeders' association.**
Report. Exp. '11.
Yearbook. Exp. '11, '13.
- Bacteriological world and modern medicine.** Battle Creek, Mich. N. D. 1*.
- Baltimore (Md.).** See **Johns Hopkins hospital**; **Johns Hopkins university**.
- Barrels and bottles.** Indianapolis, Ind. Exp. 10, 11*, 12+.
- Baumaterialienkunde.** Stuttgart, Germany. P. 3*, 4, 5, 10-12||.
- Bayerische Academie der Wissenschaften.** See **Königlich bayerische**, etc.
- Beet sugar gazette.** Chicago, Ill. Exp. 1*, 2-3*, 4*.
- Beiträge zur Biologie der Pflanzen.** Breslau, Germany. Exp. 1-4.
- Beiträge zur Kenntniss der Baumkrankheiten.** Berlin, Germany. Exp. '88.
- Beiträge zur Mykologie.** Frankfort, Germany. Exp. '50-'63.

- Beiträge zur Psychologie und Philosophie. Leipzig, Germany. I. U. 1+.
- Belfast natural history and philosophical society. Belfast, Ireland.
Report. Ac. '85-'88, '96-'01, '04-'06, '08-'10: N. D. '11.
- Berliner astronomisches Jahrbuch. Berlin, Germany. I. U. '34-'36, '73, '03, '04.
- Berliner klinische Wochenschrift. Berlin, Germany. I. U. 43+.
- Better farming. Chicago, Ill. Exp. 32, 33*, 34+.
- Better fruit. Hood River, Ore. Exp. 1+: P. 2+.
- Bibliographia physiologica. Vienna, Austria. I. U. III. 1+: P. 1+.
- Bibliographia zoologica. Leipzig, Germany. I. U. 1-17, 19+.
- Bibliographic géographique annuelle. I. U. 7+.
- Biltmore (N. C.) botanical studies. N. D. 1+.
- Biochemical bulletin. New York. P. 1+.
- Biochemisches Centralblatt. Berlin; Leipzig, Germany. I. U. 4+.
- Biological bulletin. Woods' Hole, Mass. D. 1+: F. 18-20: I. U. 1+: P. 14+: S. N. 1+: W. 4+.
Continues *Zoological bulletin* *q. v.*
- Biological society of Washington, (D. C.).
Proceedings. Ac. 1-23*: I. U. 1.
- Biologisches Centralblatt. Leipzig, Germany. D. 1-30; I. U. 1+.
- Biologisches Gesellschaft. Christiania, Norway.
Mitteilungen. N. D. 18*.
- Biometrika. Cambridge, England. Exp. 8+: I. U. 1+.
- Bird lore. Harrisburg, Pa.; New York. E. 1+: Exp. 1, 2: F. 12+: G. 1-3, 4-6, 8, 12+: M. 12+: T. II. 9+: W. 3+.
- Birds and nature. Chicago, Ill. I. U. 1-14: L. P. 1+: N. H. 1-16: S. N. 1-21.
- Blätter für aquarien und terrarien kunde. Magdeburg, Germany. N. D. 24.
- Bollettino della arboricoltura italiana. Exp. 5*, 6, 7: N. D. 5+.
- Boston (Mass.). See *American academy of arts and sciences*.
- Boston (Mass.) cooking school magazine. G. 15*, 16+: P. 18+.
- Boston (Mass.) journal of natural history. R. P. 1-6: S. L. 2-6.
- Boston (Mass.). Metropolitan water and sewerage board.
Annual report. P. 1-9, 11+.
- Boston mycological club. Cambridge, Mass.
Bulletin. N. D. 3-21.
- Boston society of natural history. Boston, Mass.
Memoirs. Ac. 5^s: I. U. 4*: R. P. '62-'69.
Proceedings. Ac. 31^e, 34^t: I. U. 26-33: R. P. '34-'57.

Boston (Mass.). Transit commission.

Annual report. R. P. 5, 8, 10+.

Boston (Mass.). Water board.

Annual report. P. 16, 17, 19.

Botanical gazette. Crawfordsville; Bloomington, Ind.; Chicago, Ill. Ac.

14¹⁻¹⁰: B. 26-50: D. 12+: E. 13-30, 33+: F. 10-13, 27-32, 53+: I. U. 13+: M. 49-52: N. D. 9*-11*, 12-18, 24*-26*, 27, 28*, 30, 31*, 32, 34*, 42*, 46*, 49*, 55+: P. 1+: S. L. 4-13, 15+: S. N. 1, 2, 4, 6, 8+: W. 1+.

Botanical journal. London, England. Ac. 2³⁻⁵, 3+.

Botanical magazine. London, England. See Curtis's botanical magazine.

Botanical magazine. Tokyo, Japan. Exp. 24, 25: N. D. 12, 13, 15, 18, 27.

Botanical society of Edinburgh, Scotland.

Transactions. Ac. 22¹⁻³, 23¹⁻⁴, 24¹, 25+.

Botanische veveening. Nijmegen, Holland. N. D. '13+.

Botanische Zeitung. Berlin; Leipzig, Germany. Exp. 34, 35, 44, 46, 48-65, 67, 68: I. U. 1-16, 19+: W. 51-59.

Botanischer Jahresbericht (Just's). Berlin, Germany. D. 1-32: Exp. 1-9, 14-17: W. 1-20.

Botanischer Verein der Provinz Brandenburg. Berlin, Germany.

Verhandlungen. Ac. 36+.

Botanisches Centralblatt. Jena, Germany. D. 1+: Exp. 1-88: I. U. 1+: W. 49-60, 89+.

Beihefte. D. 1+: Exp. 1-9, 21-28: I. U. 6-7, 9+.

Botanisches Institut. Würzburg, Germany.

Arbeiten. Exp. 1, 2.

Botanisches Staats-Institut. Hamburg, Germany.

Mitteilungen. N. D. 23+.

Botaniska notiser. Lund, Sweden. N. D. '09+.

Brain. London, England. I. U. 12-14, 17+: S. N. 13, 15+.

Braithwaite's retrospect of practical medicine and surgery. New York. D. 1, 3-47, 85-87: N. H. '84*, 106.

Brazil. See Museu Goeldi.

Breeder's gazette. Chicago, Ill. D. 55: Exp. 27*, 42*, 43, 44*, 45, 46, 49*, 50*, 51*, 52*, 53, 54, 55*, 56*, 57+: N. H. 58+: P. 1+: S. L. 1-52.

Brickbuilder. Boston, Mass. G. 18+: N. D. 13*, 14*, 17*, 18*, 19+: R. P. 9+.

Bristol (England) naturalists' society.

Proceedings. Ac. 1²⁻³, 2¹⁻³, 3¹.

- British** and foreign medico-chirurgical review. London, England.
Report. N. H. 1-56.
- British** annual and epitome of the progress of science. London, England.
N. H. '38.
- British** association for the advancement of science. London, England.
Report. N. H. 54-56: R. P. '31+: S. L. 1-59.
- British** astronomical association. London, England.
Journal. I. U. 1+.
Memoirs. I. U. 11, 14, 16-17.
- British Columbia.** Agriculture, Department of. Victoria.
Annual report. Exp. '95, '96, '02+: P. '94.
Bulletin. Exp. 11-15, 17, 18, 26, 27, 30, 32, 37-40, 44+: P. 26, 30, 37-40,
42, 44, 45, 47, 49+.
- British Columbia** dairymen's association. Victoria.
Report. Exp. '06: P. '12.
- British Columbia** farmers' institutes. Victoria.
Annual report. Exp. '00-'03, '05, '09, '11: P. '12.
- British Columbia** fruit-grower's association. Victoria.
Report. Exp. '10: P. '10, '12.
- British Columbia.** Mines, Department of.
Annual report. S. L. '96-'98, 1900-'04.
- British Columbia** poultry association. Victoria.
Report. Exp. '10.
- British Columbia** stock breeders' association.
Annual report. P. '09.
- British** journal of psychology. Cambridge, England. P. 2+.
- British** journal of tuberculosis. London, England. S. L. 2+.
- British** medical journal. London, England. I. U. '06+: T. H. '09+.
- British** patents, Abridgements of. R. P. 1558+.
- Brooklyn** (N. Y.) institute of arts and sciences. Museum.
Science bulletin. N. D. 1+.
- Broteria.** Revista de ciencias naturaes do collegio de San Fiel. Lisbon,
Portugal. N. D. 1+.
- Brown** university. Providence, R. I. Biological laboratory. Studies. I. U.
1+.
- Brussels** (Belgium). L'agriculture, Administration de.
Bulletin. Exp. o. s. 18*-23*; n. s. 1*-3*.

- Brussels** (Belgium) jardin botanique de l'état.
 Bulletin. N. D. 3+.
 Conspectus florae africae. N. D. 1, 5.
- Brussels** (Belgium). Observatoire royal de Belgique.
 Annales physique. Ac. 3¹.
 Annales astronomique. Ac. 9¹, 11¹; I. U. 1*, 13*; S. L. 6.
- Bryn Mawr** (Pa.) college.
 Monographs. Ac. 1²⁻⁴, 5-7, 9; N. D. reprint ser. 9+.
- Bryologist**. Brooklyn, N. Y. N. D. 13+.
- Budapest** (Hungary). See **Magyar** botanikai Lapok; **Magyar** Kiralyi termesztudományi társulat; **Magyar** madártani központ folyóirata; **Magyar** nemzeti múzeum.
- Buenos Aires** (Argentine Republic). See **Museo** de la Plata; **Museo** nacional; **Sociedad** científica Argentina.
- Buenos Aires** (Argentine Republic) universidad.
 Anales. P. 1-3, 6-15.
- Buffalo** society of natural sciences. Buffalo, N. Y.
 Bulletin. Ac. 1-4, 5^{1-2, 5}, 6, 9³; Exp. 5*, 6*; P. 1, 2.
- Builder** and woodworker. New York. N. H. 18.
- Building** age. New York. Ft. W. 32+; G. 32+.
 Continues **Carpentry** and building *q. v.*
- Building** management. Chicago, Ill. G. 10+.
- Building** progress. N. D. 1*-3*, 4+.
- Buitenzorg** (Java). Jardin botanique.
 Annales. (Botanical and zoological parts). I. U. II. 1+.
- Bulletin** astronomique de l'observatoire de Paris (France). I. U. 14-28; W. 15-17.
 Continues astronomical section of **Bulletin** des sciences mathématiques et astronomiques *q. v.*
- Bulletin** des sciences mathématiques et astronomique. Paris, France. I. U. 1-11; II. 1+.
 Since 1884 the astronomical portion has been published as a separate serial. See **Bulletin** astronomique.
- Bulletin** of American paleontology. Ithaca, N. Y. I. U. 1, 4.
- Bulletin** of pharmacy. Detroit, Mich. N. D. 16*-20*, 23, 24*, 25, 26*, 21*;
 P. 14+.
- Butchers'** and packers' gazette. St. Louis, Mo. Exp. 103*, 104*, 105+.
- Butter**, cheese and egg journal. Milwaukee, Wis. Exp. 2*, 3+.

California academy of sciences. San Francisco, Cal.

Bulletin. Ac. 1⁴, 2⁵⁻⁸.

Occasional papers. Ac. 1-9; I. U. 1, 5.

Proceedings. Ac. II. 1^{1, 2}, 2, 3^{1, 2}, 4^{1, 2}, 5^{1, 2}, 6; III. bot. 1¹⁻¹⁰, 2¹⁻¹¹; geol.

1¹⁻¹⁰, 2^{1, 2}; math. and phys. 1¹⁻⁸; zool. 1¹⁻¹², 2¹⁻¹¹, 3¹⁻¹³, 4¹⁻³; IV. 1, 3:

I. U. II. 5, 6; III. bot. 1+, geol. 1+, zool. 1+: N. D. IV. 1+.

California agricultural experiment station. Berkeley.

Annual report. D. '97-'98; Exp. '88-'04; P. '88-'04.

Bulletin. D. 107, 160, 165, 170, 171; Exp. 3-49, 51-61, 63+; P. 83+.

Reports of the viticultural work. D. '87-'93; Exp. '83-'95; P. '83-'95.

California agricultural experiment station. South Pasadena.

Bulletin. Exp. 2-3, 5-10, 13.

California (state) agricultural society.

Transactions. P. '00, '01, '05-'08, '10-'12. S. L. '58+.

California association of nurserymen.

Transactions. P. 1+.

California conservation commission. Sacramento.

Report. N. D. '12+.

California cultivator. Los Angeles. Exp. 34*, 35*, 36*, 37+.

California dairy association. San Francisco.

Proceedings. Exp. '98.

California. Forestry, State board of.

Biennial report. P. 3.

Bulletin. P. 1.

California fruit growers' convention.

Proceedings. P. 18, 19, 28, 29, 35+.

California. Geological survey.

Report. E. 1, 2.

California. Health, State board of.

Biennial report. P. '84-'96, '98-'10.

Monthly bulletin. P. 5-7.

California. Horticulture, State board of. Sacramento.

Annual report. Exp. '89-'92.

Biennial report. Exp. '85-'86, '93-'98, '01-'02; P. '93-'94.

Bulletin. Exp. 57, 58, 63-67.

Transactions. Exp. '93.

California. Horticulture, State commissioner of.

Biennial report. Exp. '03-'06, '11+; P. '05-'08, '11, '12.

Monthly bulletin. Exp. 1+.

- California** (State) medical society.
Transactions. N. H. '72.
- California** railroad commission. Sacramento.
Report. N. D. '12+.
- California** registration board.
Report. Exp. '12.
- California** (state) university chronicle. Berkeley. P. 11+.
- California** (state) university. Geology, Department of, Berkeley.
Bulletin. Ac. 1⁸⁻¹¹, 14; Exp. 14; I. U. 1+.
- California** (state) university. Lick observatory. Mt. Hamilton.
Bulletin. I. U. 1-4.
Publications. I. U. 1-3, 5, 8; N. D. 1-3.
- California** (state) university. Physiology, department of, Berkeley. Ac.
3¹⁴⁻¹⁷, 4¹⁻¹³, 16, 17; I. U. 1+.
- California** (state) university. Publications. Berkeley.
Agricultural sciences. Exp. 1*.
Botany. N. D. 1, 2*, 3*, 4*, 5+.
- California**. Ventura county horticultural commissioner. Santa Paula.
Bulletin. Exp. 1, 2.
- California** (state) water commission. Sacramento.
Report. N. D. '12+.
- Camera**. Philadelphia, Pa. G. 17+.
- Canada**. See also Alberta; Manitoba; Nova Scotia, Ontario; Prince Edward Island; Quebec; Saskatchewan; Western Canada.
- Canada**. Agriculture, Department of. Ottawa.
Bulletins of the central experimental farms. Exp. 1-7, 9-22, 24-29, 31-34, 36-66, 68+; II. 5, 7, 9, 10, 12+; P. 3-6, 11, 12, 14, 16-29, 31-34, 36-66, 68+.
Reports. Exp. '89-'07, '09+; P. '86, '88+.
- Canada**. Agriculture, Minister of. Toronto.
Annual report. Exp. 1, 2.
- Canada**. Conservation, Commission of. Ottawa.
Report. Exp. '10, '12+; P. 1+; S. L. '10+.
- Canada**. Dairy and cold storage commissioner's branch. Ottawa.
Annual report. Exp. '06, '07, '09-11; P. '06, '10, '11.
Bulletin. Exp. o. s. 4, n. s. 2, 3, 6, 12, 13, 15, 18, 20, 24, 25, 38; P. n. s. 7, 12, 18, 23, 25, 28, 30.
- Canada**. Entomologist, Dominion. Ottawa.
Reports. Exp. '10+.

- Canada.** Forestry and irrigation, Superintendent of.
Report. P. '09-'10.
- Canada.** Game commissioners. Toronto.
Report. Exp. '06.
- Canada.** Geological survey.
Annual report. I. U. n. s. 2, 5-16; N. D. '04-'11; P. n. s. 1+; R. P. '47-'58;
I. N. 1-7, 9; S. L. '63-'08.
Catalogue of Canadian plants. S. N. 7.
Contributions to paleontology. N. D. 3+; S. L. 1*, 2*, 3*, 4*.
Memoirs. N. D. 1-17, 21, 24, 27, 28, 33, 35+; S. L. 1+.
Report of progress. P. 20-27.
- Canada.** Geological and natural history survey.
Summary reports. P. '85-'87, '89, '91, '05, '06.
- Canada** good roads association. Toronto.
Report. Exp. '94.
- Canada** horticultural societies of Ontario. Toronto.
Report. Exp. '06+; P. '06+.
- Canada.** Horticulturist, Dominion. Ottawa.
Report. Exp. '10.
- Canada.** Inland revenue department, Laboratory of. Ottawa.
Bulletin. Exp. 54-60, 65-71, 82, 83, 85, 95, 97-100, 108, 109, 112, 113, 153,
159, 175, 182, 222.
Report. Exp. '09.
- Canada.** Interior, Department of.
Report of the chief astronomer. I. U. '05, '09.
- Canada.** Interior, Department of. Forestry branch. Ottawa.
Bulletin. Exp. 2-9, 13, 14, 16-31, 33+; P. 1+.
Report. Exp. '96*-'09*, 11*, 12+.
- Canada.** International commission on the control of bovine tuberculosis.
Ottawa.
Annual report. Exp. '10.
- Canada.** Live stock commissioner. Ottawa.
Bulletin. Exp. 7-9, 11+.
- Canada.** Meteorological service.
Annual report. R. P. '88-'90, '95-'05.
- Canada.** Mines, Department of.
Bulletin. S. L. '09+.
Report. S. L. '06-'11.

- Canada.** Patent office.
Record. R. P. 24+.
- Canada** poultry institutes. Guelph.
Report. Exp. 1-4.
- Canada** provincial instructor in road making. Toronto.
Annual report. Exp. '96-'08.
Bulletin. Exp. 1, 2.
- Canada.** Veterinary director-general and live stock commissioner. Ottawa.
Report. Exp. '07, '08, '10, '11.
- Canada** woman's institute. Toronto.
Report. Exp. '06, '07, '08*, '09, '10, '11*, '12+.
- Canada** year books. Exp. '05-'09.
- Canadian** department of mines. Ottawa.
Memoirs of geological survey. N. D. 1-17, 21, 24, 27, 28, 33, 35+.
- Canadian** entomologist. Toronto; London, Ontario. D. 24-30*: Exp. 21*:
P. 39+: S. N. 21-29.
- Canadian** forestry association.
Report. P. 11+.
- Canadian** institute. Toronto.
Annual report. Ac. '86-'91.
Proceedings. Ac. III. 3²⁻⁴, 4^{1, 2}, 5^{1, 2}, 6^{1, 2}, 7¹; n. s. 1¹⁻⁶, 2¹⁻⁶.
Transactions. Ac. 1^{1, 2}, 2^{1, 2}, 4², 5^{1, 2}, 6^{1, 2}, 7¹⁻³, 8¹⁻⁴, 9¹.
- Canadian** record of science. Montreal, Can. Ac. 1^{3, 4}, 2^{1-3, 5, 6}; I. U. 7-8.
- Canadian** science monthly. Kentville, N. S. Ac. 3^{6, 8-11}.
- Canadian** seed growers' association. Ottawa.
Report. Exp. '04+: P. '04+.
- Canal** record. (Isthmian canal.) Ancon, Canal Zone. P. 1+.
- Cape of Good Hope.** Entomologist report, Government. Cape Town.
Annual report. Exp. '95-'98.
- Cape of Good Hope** agricultural journal. P. 27-29, 37+.
- Cape of Good Hope.** Royal observatory.
Report. S. L. '09+.
- Carnegie** institution of Washington (D. C.).
Publications. D. 15: I. U. 1-19, 21-54, 56-62, 64-79, 81-85, 87-149, 152-158, 160-162, 166, 167, 171, 174, 176+: N. D. 1+: P. 4+: S. N. 12, 18, 19, 23, 30, 36, 37, 47, 49, 50, 51, 58, 64, 67, 70, 82, 94, 95, 98, 99, 112, 114, 117.
Year-book. P. 1+.

- Carnegie institution.** Marine biological laboratory. Tortugas, Fla.
Papers. S. N. 1, 2.
- Carnegie institute.** Pittsburg, Pa.
Annals. Ac. '01+: I. U. 1+: N. D. 1*, 3*, 4*, 5*.
Annual report. Ac. '98+: I. U. 1+: P. 1+: W. 1+.
Celebration of founder's day. Ac. '98-'00, '02-'05, '07+: I. U. 1+.
Memoirs. Ac. 1, 2, 3¹, 4¹⁻⁷: I. U. 1+.
Prize essay contest. Ac. '99-'04: I. U. 1+.
- Carpentry and building.** New York. Ft. W. 31||.
Continued by **Building** age *q. v.*
- Carlson's breeders' review.** Norfolk, Neb. Exp. 1*, 2+.
- Cassier's magazine.** New York. F. 39+: Ft. W. 19, 21+: G. 35+: I. U. 28-30: L. P. 18-26: M. 41+: P. 4+: R. P. 5-33, 36+: S. N. 13+: T. H. 7+.
- Cattle specialist.** Waukesha, Wis. Exp. 2*, 3*⁶
- Cellule.** Lierre, Belgium. I. U. 22+: N. D. 1+.
- Cement age.** New York. N. D. 2*, 7*.
Continues as **Concrete-cement** age *q. v.*
- Cement era.** Chicago, Ill. N. D. 5*.
- Cement world.** Chicago, Ill. N. D. 1*, 2*, 3, 4, 5*, 6: R. P. 2+.
- Central Park menagerie.** New York.
Reports. Ac. '88-'90.
- Central railway club.** Buffalo, N. Y.
Proceedings. P. 2+.
- Central states medical monitor.** Indianapolis, Ind. P. 5-11*.
- Centralblatt für allgemeine und experimentale Biologie.** I. U. 1+.
- Centralblatt für agrikultur Chemie (Biederman).** Leipzig, Germany. Exp. 16*, 17-19, 20*.
- Centralblatt für Bakteriologie. Parasitenkunde und Infektionskrankheiten.** Jena, Germany. P. 36+.
Erste Abtheilung. Exp. 1-18: I. U. 1-30||.
After 30 issued in two series, Referate and Originale.
Referate. Exp. 46+: I. U. 31-56, 60, 62, 63, 65+: P. 36+.
Originale. Exp. 53+:
Zweite Abtheilung. Exp. 2+: I. U. 1-20, 22-29, 31+.
- Centralblatt für Electrotechnik.** Munich, Germany. R. P. 7-10.
- Centralblatt für Mineralogie, Geologie und Palacontologie.** Stuttgart, Germany. I. U. 1-12.
A supplement to **Neues Jahrbuch für Mineralogie** *q. v.*

- Centralblatt für normale Anatomie und Mikrotechnik.** Berlin, Germany.
I. U. 1+.
- Centralblatt für Physiologie.** Berlin; Leipzig, Germany. P. 19+: W. 6.
- Charleston (S. C.) museum.**
Bulletin. N. D. 8+.
- Chemical abstracts.** See **American chemical society.**
- Chemical engineer.** Philadelphia, Pa.; Chicago, Ill. E. 11+: N. D. 1*,
4-6, 10*, 16*, 17+: P. 1+.
- Chemical engineering and physical chemistry.** B. 1+.
- Chemical news.** London, England. D. 1-61: N. D. 1-3, 80-95, 97, 98, 99*,
100*, 101*, 104*, 107+: P. 33+: R. P. 71+: S. N. 39-52, 61-63, 68+:
W. 1-6.
- Chemical society of London, England.**
Annual report. B. '10+: D. 1-6: Exp. 1+: P. 1+.
Journal. B. '06+: D. 24+: Exp. 1+: N. D. 16-96, 101+: R. P. 28+:
W. 59+.
- Chemiker-zeitung.** Cöthen, Germany. Exp. 27+: I. U. 1-19.
Beilage. Chemisch-technisches repertorium. Exp. 33, 34.
- Chemisches Centralblatt.** Hamburg; Berlin, Germany. Exp. 60, 61: I. U.
52+: N. D. 77+: P. 47+: R. P. '04+.
- Chemist and druggist.** London, England. P. 70+:
- Chicago (Ill.) academy of sciences.**
Annual report. Ac. '95-'97.
Special publications. Ac. 3.
Bulletin. Ac. 1¹⁻¹⁰, 2²⁻⁴, 3¹⁻⁵: N. D. 3.
- Chicago (Ill.). Geological and natural history survey.**
Bulletin. Ac. 1-6, 7¹: N. D. 1.
- Chicago (Ill.) dairy produce.** Exp. 13*, 17*, 18+.
- Chicago (Ill.) entomological society.**
Memoirs. Ac. 1¹.
- Chicago (Ill.). Health, Department of.**
Biennial report. Exp. '94-'96.
- Chicago (Ill.) medical journal.** D. 27, 28*.
- Chicago (Ill.) university.** Hull physiological laboratory. Physiological
archives. I. U. 1.
- Chile, Universidad de.** Santiago.
Anales. I. U. 103, 108-123, 125+: P. '82*+.
- China.** Agriculture and forestry, Department of.
Agricultural journal. Exp. 1*+.

- Christiania**, Norway. See **Videnskabs selskabet**.
- Cincinnati** (O.) lancet and observer. N. H. n. s. 1*, 2, 3*.
Continued as **Cincinnati** lancet-clinic *q. r.*
- Cincinnati** (O.) lancet-clinic. D. n. s. 2-4, 5*, 6-8, 9*, 10-12, 13*, 14-16, 17*, 18*, 24*, 27*: P. n. s. 16-24*.
Continues **Cincinnati** lancet and observer *q. r.*
- Cincinnati** (O.) medical and surgical news. D. n. s. 1*, 2*.
- Cincinnati** (O.) museum association.
Report. Exp. 19-28.
- Cincinnati** (O.) society of natural history.
Journal. Ac. 11, 12¹⁻³, 15^{3, 4}, 16²⁻⁴: I. U. 4+: S. L. 1-10.
- Cincinnati** (O.) observatory.
Annual report. I. U. '70.
- Cincinnati** (O.) quarterly journal of science. I. U. 1, 2.
- Cincinnati** (O.) university.
Record. N. D. I. 8+: II. 7+.
Studies. I. U. II. 3+: P. II. 1+.
- Circolo** mathematico. Palermo, Italy.
Rendiconti. I. U. 1+.
- Civil engineers'** and architects journal. London, England. R. P. 1-25.
- Clark** university. Worcester, Mass.
Nature study leaflet. P. 1, 2.
- Clemson** college. See **South Carolina**.
- Cold**. Calcium, N. Y. Exp. 1+.
- Coleman's** rural world. St. Louis, Mo. Exp. 63*, 64+.
- College** of physicians of Philadelphia (Pa.).
Proceedings. N. H. 1789.
- Colorado**. Agriculture, State board of. Denver.
Annual report. Exp. 2, 16, 26, 28, 30, 32+: N. D. 23: P. 2, 4, 12-18, 20, 22, 24, 26, 28.
- Colorado**. Agricultural experiment station. Fort Collins.
Annual report. Exp. 1+: N. D. 3, 14, 16, 22, 24, 33, 34: P. 1, 2, 4+.
Bulletin. D. 31, 35, 44, 64, 96-99, 101, 103-106: Exp. 1-179, 181+: N. D. 100, 150-152, 157, 158, 160-179, 180+: P. 1+: S. L. 34, 35, 43, 44, 49-53, 100, 117-119.
- Colorado** college. Colorado Springs.
Publication. I. U. 33-35, 39-53: N. D. science ser. 11+: social ser. 2+: P. sci. ser. 13-20, 23-26, 30-32, 39+: Eng. ser. 1+.

Colorado (state) engineer.

Biennial report. P. 14.

Colorado (state) entomologist.

Annual report. P. 3.

Colorado fruit grower. Grand Junction. Exp. 3-4*.

Colorado. Geological survey.

Bulletin. I. U. 1+.

Report. I. U. 1+.

Colorado. Horticulture, State board of. Denver

Annual report. Exp. 13, 14, 16: P. 2, 5, 7, 11-15, 18, 19, 21+.

Colorado school of mines. Golden.

Bulletin. P. 1-4*.

Colorado scientific society. Denver, Col.

Bulletin. Ac. '97^{10, 11}, '98¹, '99^{3, 4}, '00².

Proceedings. Ac. 1, 2¹⁻³, 3¹⁻³, 5-9: I. U. 2-5: P. 9.

Colorado university. Boulder, Col.

Studies. I. U. 1+: N. D. 7+: P. 1+.

Journal of engineering. P. 1+.

Colorado university. Psychology and education, Department of. Boulder, Col.

Investigations. I. U. 1.

Columbia university. New York.

Ernest Kempton Adams fund for physical research publications. P. 4, 6.

Columbia university. Botany, Department of. New York.

Contributions. N. D. 14.

Memoirs. N. D. 1, 2.

Bulletin. P. 1-20||.

Continued as

Quarterly. I. U. 1+: P. 1+: W. 1+.

Columbus (O.) horticultural society.

Report. Exp. '95, '99-'03: P. '87, '95-'00, '03-'09.

Columbus (O.) medical journal. D. 1-8*.

Continues **Ohio** medical journal. Columbus. *q. v.*

Comité géologique. St. Petersburg, Russia.

Bulletins. Ac. 17+.

Memoirs. Ac. 2², 7, 8²⁻⁴, 9²⁻⁵, 10³⁻⁴, 12³, 13²⁻⁴, 14, 15¹⁻⁴, 16^{1, 2}, 17^{1, 3}, 18¹⁻³,
19, 20^{1, 2}; n.s. 1-38, 40-61, 63-69, 71, 75, 78, 81+.

Supplement to bulletins. Ac. 14-17.

Comité regional del estado de Durango (Mexico).

Boletino. N. D. 1, 2, 3+.

Commercial fertilizer. Atlanta, Ga. Exp. 1*, 2+

Commercial poultry. Marseilles, Ill. Exp. 19*.

Compressed air. Easton, Pa. R. P. 5, 7, 9-14.

Concrete. Detroit, Mich. Ft. W. 8||: N. D. 4*-12*.

Continued as **Concrete-cement** age *q. v.*

Concrete-cement age. Detroit, Mich. Ft. W. 1+: G. 8+: N. D. 1*, 2*.

Continues **Concrete**, *q. v.*, and **Cement** age, *q. v.*

Concrete review. Philadelphia, Pa. N. D. 3*.

Congrès international des sciences géographiques. See **International geographic congress.**

Congrès scientifique international des catholiques. Fribourg, Switzerland.

Compte rendu. N. D. '89, '91, '98, '95.

Connecticut academy of arts and sciences. New Haven, Conn.

Memoirs. Ac. 2, 3.

Transactions. Ac. 8, 9², 10+: N. D. 14, 16+.

Connecticut. Agricultural experiment station. New Haven.

Annual report. D. 23*: Exp. '76, '79-'11, '12*: P. '79+.

Bulletin. Exp. 1, 17, 21, 23-30, 33-56, 58-67, 69, 71+: P. 60, 71, 73-77, 79-82, 84, 85, 87, 89+: S. L. '11+.

Connecticut. Agricultural experiment station (Storrs). Mansfield.

Annual report. Exp. 1+: P. '88+.

Bulletin. D. 4: Exp. 1+: P. 1+.

Connecticut (state) agricultural society.

Transactions. S. L. '54-'57.

Connecticut. Agriculture, Board of. Hartford.

Report. Exp. 43: P. 13, 14, 16+.

Connecticut. Dairy commissioner. Hartford.

Report. Exp. 7: P. 2, 3, 6-17.

Connecticut. Domestic animals, Commissioners on diseases of.

Report. P. 1, 5-7, 9+.

Connecticut (state) entomologist. Hartford.

Report. Exp. 1-8, 10.

Connecticut farmer and New England farms. New Haven. Exp. 41*, 42+.

Connecticut. Fisheries and game, commissioners.

Report. P. '09, '10.

Connecticut forestry association.

Bulletin. Exp. 4-6.

- Connecticut.** Geological and natural history survey. Hartford. Exp. 11:
I. U. 10-11, 13+: P. 1+.
- Connecticut.** Health, State board of. Hartford.
Report. Exp. '08: P. '83+.
- Connecticut.** Highway commissioner.
Biennial report. P. '97-'00, '05-'08.
- Connecticut** pomological society. Milford.
Report. Exp. '00.
- Connecticut.** Railroad commissioners.
Annual report. P. 55-59.
- Connecticut.** Shell-fish commissioners.
Report. P. '09, '10.
- Connecticut** society of civil engineers. New Haven.
Proceedings. P. 2, 6, 7, 9+.
- Conservation.** Exp. 8*, 9, 10*, 11, 12, 13*, 14*, 15*||: N. H. 14, 15||: P. 14, 15||.
Continues **Forestry** and irrigation *q. v.*; continued as **American forestry** *q. v.*
- Corn.** Waterloo, Ia. Exp. 1+.
- Corn belt** meat producers. Des Moines, Ia.
Annual report. Exp. '09, '10.
- Cornell** civil engineer. Ithaca, N. Y. P. 15.
Continues **Cornell** university—Association of civil engineers. Transactions. *q. v.*
- Cornell** countryman. Ithaca, N. Y. P. 1*, 2*, 3*, 4-6.
- Cornell** university. Association of civil engineers. Ithaca, N. Y.
Transactions. P. 1-14||.
Continues as **Cornel** civil engineer *q. v.*
- Cotton** seed. Atlanta, Ga. Exp. 7+.
- Country** calendar. New York. Exp. 1*||.
Merged in **Country** life in America *q. v.*
- Country** gentleman. Albany, N. Y. Exp. 3-53, 54*, 55*, 57*, 60*, 62*, 63*, 76*,
77*, 78+: G. 78+: S. L. 6-72.
- Country** life in America. Garden City, N. Y. Exp. 3-6, 7*, 9*, 11*, 13*, 14-18,
21+: Ft. W. 7-10, 12-19, 21+: G. 3+: P. 2+.
- Craftsman.** Syracuse, N. Y. Ft. W. 3-10, 12+: P. 1+.
- Creamery** journal. Waterloo, Ia. Exp. 19*, 20+: P. 17+.
- Criador** paulista. Sao Paulo, Brazil. Exp. 1*, 2*, 3*, 4, 5, 6*, 7+.
- Cuba.** Agricultura, industria y comercio, Secretaria de. Santiago de Las
Vegas.
Circulars. Exp. 7, 9, 11, 15, 18.

- Cuba.** Estacion central agronomica.
Annual report. Exp. '04, '05.
- Cuba.** Horticultural society. Camaguey.
Annual report. Exp. 1.
- Cultivator.** Albany, N. Y. N. H. 1-6, 11, 12; S. L. 1-5; n. s. 1-8.
Continued as **Cultivator** and country gentleman. See **Country gentleman**.
- Curtis's botanical magazine.** London, England. N. D. 1-13, 22, 23; n. s. 6.
- Dairy record.** St. Paul, Minn. Exp. 7*, 11*, 12+; P. 5*, 6, 7*, 8+.
- Dairymen's association of the province of Quebec.**
Annual report. Exp. '95, '96, '09, '10.
- Dakota farmer.** Aberdeen, S. D. Exp. 30*, 31*.
- Davenport (Ia.) academy of natural sciences.**
Proceedings. Ac. 3²⁻³, 5¹, 6, 7; N. D. 10.
- Decorator and furnisher.** New York. P. 1-16, 19, 20, 22-23, 24*-31*.
- Delaware.** See also **Peninsula horticultural society**.
- Delaware.** Agricultural experiment station. Newark.
Annual report. Exp. 1-19, 21+; P. 1+.
Bulletin. Exp. 1+; S. L. '10+; P. 1+.
Special bulletin. Exp. A, B.
- Delaware.** Agriculture, State board of. Dover.
Report of the secretary. Exp. 1-4; P. 1.
- Delaware (state) grange.** Dover.
Proceedings. Exp. '07-'10.
- Denison university.** Scientific laboratories. Granville, O.
Bulletin. Ac. 2-5, 6¹, 9², 10, 11¹⁻³, 13¹⁻⁶, 14¹⁻¹⁸, 15, 16¹⁻¹⁷, 17¹⁻⁴; I. U. 1, 10+.
- Denver (Colo.) municipal facts.** Exp. 1*, 2*.
- Deutscher amerikanischer Farmer.** Lincoln, Neb. Exp. 21*, 22*, 24+.
- Deutsche botanische Gesellschaft.** Berlin, Germany.
Berichte. Exp. 1-28, 30*+; I. U. 1+; W. 13-15.
- Deutsche chemische Gesellschaft.** Berlin, Germany.
Berichte. D. 7+; I. U. 1+; N. D. 29+; P. 1+; S. L. 46+; W. 1+.
- Deutsche dendrologische Gesellschaft.** Poppelsdorf; Bonn, Germany.
Mitteilungen. N. D. '11+.
- Deutsche geologische Gesellschaft.** Berlin, Germany.
Zeitschrift. I. U. 56+.
- Deutsche Gesellschaft für Natur- und Völkerkunde Ostasiens.** Tokio, Japan.
Mitteilungen. Ac. 9³ supp. 2, 10¹⁻³, 11¹⁻⁴, 12¹, 2, 13¹⁻³, 14¹⁻².

- Deutsche Kunst und Dekoration.** Darmstadt, Germany. P. 17+.
- Deutsche Landwirtschaft-Gesellschaft.** Berlin, Germany.
 Jahrbuch. Exp. 25+.
 Mitteilungen. Exp. 27+.
- Deutsche Mechaniker-Zeitung.** Berlin, Germany. P. '08.
- Deutsche micrologische Gesellschaft.** See **Kleinwelt**.
- Deutsche tierärztliche Wochenschrift.** Hanover, Germany. Exp. 18+.
- Deutsche zoologische Gesellschaft.** Leipzig, Germany.
 Verhandlungen. I. U. 5.
- Dietetic gazette.** New York; Philadelphia, Pa. D. o. s. 3-6*.
- Digest of physical tests and laboratory practice.** Philadelphia, Pa. R. P.
 1, 2.
- Dingler's polytechnisches Journal.** Stuttgart; Berlin, Germany. P. 320+;
 R. P. 259-262, 267-319.
- District of Columbia.** Health, Board of.
 Annual report. Exp. '97-'04: P. '84+.
- Dixie miller.** Nashville, Tenn. Exp. 35*, 36+.
- Domestic engineering, plumbing, heating, ventilation, and mill supplies.** Chicago, Ill. P. 11*-13*, 33*, 34*.
- Dorpat, Russia.** See **Turjev, Russia**.
- Draftsman.** Cleveland, O. See **Industrial** magazine.
- Drainage journal.** Indianapolis, Ind. Exp. 10*, 11, 12*, 13*, 14*, 15*, 16*,
 17*, 18*, 19*, 20, 21*, 22, 23*, 24*.
- Druggist.** See **Meyer brothers druggist**.
- Druggist's circular and chemical gazette.** New York. N. D. 47*-56*: P. 19+.
- Dudley observatory.** Albany, N. Y.
 Annals. S. L. 1, 2.
- Dumfriesshire and Galloway natural history and antiquarian society.** Dumfries, Scotland.
 Transactions. N. D. 24+.
- Eastern farmer dairyman.** Oxford, Pa. Exp. 14*, 15, 16, 17*.
- Éclairage électrique.** Paris, France. P. 1-13, 42-53||.
 Continued as **Lumiere** électrique *q. v.*
- Eclectic medical journal.** Cincinnati, O. S. L. 19, 20.
- Eclectic medical journal of Pennsylvania.** Philadelphia, Pa. D. 9*, 12-18*.
- École polytechnique.**
 Journal. I. U. I. 1-64; II. 1+.
- Economic fungi.** Cambridge, Mass. Exp. 1-550.

- Economic geology.** Lancaster, Pa.; Urbana, Ill. E. 1+: I. U. 1+: N. D. 1+: S. N. 1+.
Continues **American** geologist *q. v.*
- Edinburgh** (Scotland). See **Botanical** society.
- Edinburgh** (Scotland) mathematical society.
Proceedings. I. U. 1+.
- Edinburgh** (Scotland). Royal botanical garden.
Notes. Ac. 22-27, 33.
- Edinburgh** (Scotland). Royal observatory.
Annual report. S. L. '09+.
- Edinburgh** (Scotland) veterinary review and annals of comparative pathology.
Exp. 1-3: P. 1-6.
- Egypt** exploration fund. London, England.
Archaeological report. I. U. '02-'09, '11, '12.
Report of meetings. I. U. 18, 19, 26, 27, 30+.
- Electric journal.** Pittsburg, Pa. Ft. W. 3: G. 10+: N. D. 1+: P. 1+: R. P. 2+.
- Electric railway journal.** New York. Ft. W. 32, 33, 35+: G. 33+: P. 32+.
Formed by consolidation of the **Electric** railway review (*q. v.*) and the **Street** railway journal (*q. v.*) continuing the volume numbers of the latter.
- Electric railway review.** Chicago, Ill. P. 17-19||.
Continues **Street** railway review (*q. v.*). Combined in 1908 with **Street** railway journal (*q. v.*) and became **Electric** railway journal (*q. v.*).
- Electric age.** New York. M. 13, 17-20: P. 35-39.
- Electrical engineer.** London, England. R. P. 1-32*.
- Electrical engineer.** New York. N. D. 12, 18, 22, 24: P. 7-26: R. P. 7-27||.
Continues **Electrician** and electrical engineer *q. v.* Combined in 1899 with the **Electrical** world *q. v.*
- Electrical review.** London, England. R. P. 26+.
- Electrical review.** New York; Chicago, Ill. G. 60+: M. 54+: P. 2, 4-13, 15, 16*, 17, 18, 20*, 21*, 35*, 36+: R. P. 31+.
After 52 called **Electrical** review and western electrician.
- Electrical world.** New York. D. 3-4, 19+: E. 16, 17: Ft. W. 39, 42+: G. 53+: I. U. 11+: M. monthly 18; weekly 49-55: N. D. '95+: P. 6+: R. P. 24+: S. N. 23+: T. H. 51-55.
Combined in 1889 with **Electrical** engineer (*q. v.*) and volumes 33-46 were called **Electrical** world and engineer.
- Electrician.** London, England. D. 28-37: I. U. 52+: P. 21*, 22*, 23*: R. P. 47+.

- Electrician** and electrical engineer. New York. P. 1-6||.
Continued as **Electrical engineer** *q. v.*
- Electrician** and mechanic. Boston, Mass. E. 25+: Ft. W. 18+: G. 26+.
- Electrochemical** and metallurgical industry. New York. See **Metallurgical** and chemical engineering.
- Electrochemical** industry. New York. See **Metallurgical** and chemical engineering.
- Elektrotechnische Zeitschrift**. Berlin, Germany. P. 26+: R. P. 6, 7, 12+.
- Elgin** (Ill.) dairy report. Exp. 18*, 19+.
- Elisha Mitchell scientific society of the university of North Carolina**. Chapel Hill, N. C.
Journal. Ac. 1-3, 4¹, 5+: N. D. 24+.
- Eporium** of arts and sciences. Philadelphia, Pa. R. P. n. s. 1.
- Engineer**. Chicago. P. 39*, 40*, 41*, 43-45||: R. P. 1-28, 41, 69, 70, 97+.
Merged with **Power** (*q. v.*) in 1908 and became **Power** and the engineer.
- Engineer** magazine. M. 40-45.
- Engineer**. See under **Pennsylvania state college**.
- Engineering**. London, England. Ft. W. 89+: N. D. 84+: P. 11+: R. P. 3-42, 47+.
- Engineering** and contracting. Chicago, Ill. G. 29*, 30*, 32*, 33*, 35+: P. 27*, 28+.
- Engineering** and mining journal. New York. N. D. 90+: I. U. 53+: P. 19-28, 34*, 41, 48*-54, 55, 58*-64*, 67+: R. P. 20-36, 49+.
- Engineering** association of the South. Nashville, Tenn.
Transactions. P. 10+.
- Engineering** digest. New York. Ft. W. 1, 3-5||: P. 1-5||.
Continued as **Industrial engineering and engineering digest** *q. v.* Vols. 1 and 2 have title **Technical literature**.
- Engineering** index. New York. N. D. 27+: P. 1-4.
- Engineering** index annual. New York. P. '06+.
- Engineering** magazine. New York. F. 27-32: Ft. W. 11, 12, 33+: G. 36+: I. U. 1+: L. P. 25+: M. 7+: N. D. 4, 15-17, 19, 21, 23, 24, 27, 33-43: N. H. 33-37: P. 1, 2*, 3+: R. P. 2+: S. L. 35+: S. N. 1+: T. H. 2+.
- Engineering** mechanics. Philadelphia, Pa. N. D. '94, '96, '97: P. 5*, 6, 8-9, 10*-11*, 12-16, 17*, 19-21: R. P. 1-11.
Volumes 5-13 have the title **Mechanics**.
- Engineering** news. Chicago, Ill.; New York. Ft. W. 62, 64+: G. 51+: N. D. 35+: P. 7-10, 15+: R. P. 13+: S. L. 53-55, 57-60, 67+: T. H. 65+.
Volumes 10-18 have title **Engineering** news and American contract journal. Volumes 19-48 have title **Engineering** news and American railway journal.

- Engineering record, building record and sanitary engineer.** New York. E. 51-60; Ft. W. 55+; G. 54+; N. D. 41+; P. 17+; R. P. 12+.
Continues **Sanitary engineer** *q. v.*
- Engineering review.** London, England. N. D. 21*.
- Engineering world.** Chicago, Ill. P. 1*-5*||.
Merged with **Engineering and contracting** *q. v.*
- Engineers' society of western Pennsylvania.** Pittsburgh.
Proceedings. I. U. 22+.
- England, national sheep-breeders' association.** London.
Annual report. Exp. '04-'06.
- English mechanic and world of science.** London, England. R. P. 45-77.
- Enseignement mathématique.** Paris, France. I. U. 11+; P. 5+.
- Entomologica Americana.** Brooklyn, N. Y. S. L. 1-6; S. N. 1.
- Entomological news.** Philadelphia, Pa. D. 1+; W. 9+.
- Entomological society of America.** Ithaca, N. Y.
Annals. P. 1+; S. L. 1+; W. 1+.
- Entomological society of Ontario.** Guelph; London, Ont.
Reports. S. N. '78, '81-'89, '91-'99, '00-'09.
- Entomologiska föreningen.** Stockholm, Sweden.
Entomologisk Tidskrift. Ac. 13¹⁻⁴, 18-25, 26¹⁻⁴, 28+.
- Entomologist.** London, England. Exp. 25-28, 29*, 30, 31*, 32-37, 38*, 39+.
- Entomologist's monthly magazine.** London, England. Exp. II. 2.
- Ephemeris of materia medica, pharmacy, therapeutics and collateral information.** Brooklyn, N. Y. P. 1-3.
- Ergebnisse der Anatomie und Entwicklungsgeschichte.** Wiesbaden, Germany. I. U. 1+.
- Ergebnisse der Physiologie.** Wiesbaden, Germany. I. U. 1+; P. 1-5; S. N. 1+.
- Ernährung der Pflanze.** Berlin, Germany. Exp. 8*, 9+.
- Erythea.** Berkeley, Cal. N. D. 1, 2.
- Españay americana.** Madrid, Spain. N. D. 7*, 8+.
- Essex institute.** Salem, Mass.
Bulletin. Ac. 19¹⁻³, 20⁴⁻¹², 21-23, 24¹⁻³, 7-12, 25, 26⁴⁻¹², 27¹⁻⁶, 28, 29, 30⁷⁻¹².
Report. Ac. '99, '00.
- Experiment station record.** See under **United States.** Experiment station, Office of.
- Experimental studies in psychology and pedagogy.** Boston, Mass. S. N. 2-4.

- Fancy fruits.** North Yakima, Wash. Exp. 1*, 2*.
- Farm and orchard.** Keyser, W. Va. Exp. 1+.
- Farm and stock.** St. Joseph, Mo. Exp. 7, 8, 9*, 10*, 11*.
- Farm home.** Springfield, Ill. Exp. 35*, 36+.
- Farm journal.** Philadelphia, Pa. Exp. 33+.
- Farm life.** Chicago, Ill. Exp. 12*, 13+.
- Farm poultry.** Boston, Mass. P. 4-19.
- Farm press.** See **Better farming.**
- Farm progress.** St. Louis, Mo. Exp. 8, 9*, 10+.
- Farm sense.** Des Moines, Ia. Exp. 1*, 2+.
- Farm stock and home.** Minneapolis, Minn. Exp. 25+.
- Farm world.** Augusta, Me.; Chicago, Ill. Exp. 3, 4*, 5*, 6+.
- Farmer and breeder.** Sioux City, Ia. Exp. 34+.
- Farmer's advocate and home magazine.** London, Ont. Exp. 44*, 45*, 46*, 47*, 48+.
- Farmer's cabinet.** Philadelphia, Pa. S. L. 1-37.
- Farmer's digest.** Columbia, Pa. Exp. 2*, 3, 4*, 5.
- Farmers' guide.** Huntington, Ind. Exp. 14*, 15*, 16*, 17*, 18*, 19*, 20, 21*, 22*, 23+: P. 18+.
- Farmer's national congress of the United States.**
Proceedings. P. 18, 20, 22+: S. L. '04-'10.
- Farmers' review.** Chicago, Ill. Exp. 39, 40*, 41*, 42+.
- Farmers' tribune.** Sioux City, Ia. Exp. 32*, 33.
- Farming.** New York. Exp. 1*, 2, 3*||: P. 1-3||.
Merged with **Garden** magazine *q. v.*
- Feather.** Washington, D. C. Exp. 14+.
- Federation of Jewish farmers of America.** New York.
Report. Exp. '09.
- Field and farm.** Denver, Colo. Exp. 24*, 25*, 26*, 27+.
- Field and forest.** Washington, D. C. Ac. 2²⁻⁸, 3^{1, 6-8}.
- Field museum of natural history.** Chicago, Ill.
Annual exchange catalogue. Ac. '96-'98.
Annual report. Ac. 1, 2³⁻⁵, 3, 4¹⁻²: W. 1+.
Publications; anthropological series. Ac. 2^{1, 3-6}, 3^{1, 4}, 4-6¹, 7¹: N. D. 1+: P. 1+: W. 1+.
Botanical series. Ac. 1^{1-3, 5}, 2^{1, 3-7}, 3²: N. D. 1+: P. 1+: W. 1+.
Geological series. Ac. 1^{1, 3-7}, 2^{2-4, 6-10}, 3¹⁻⁹, 4+: N. D. 1+: P. 1+: W. 1+.

Ornithological series. Ac. 1¹, 2, 6; P. 1+.

Report series. N. D. 1+; P. 1+; W. 1+.

Zoological series. Ac. 1²⁻⁸, 11-17, 2², 3¹²⁻¹⁶, 4¹, 2, 5-7¹⁻¹³, 8-10¹⁻³, 5-8, 11;
N. D. 1+; P. 1+; W. 1+.

Fire and water engineering. New York. N. D. 29*, 30-33, 35-38, 39*, 40*.

Fireproof magazine. New York. P. 1*, 2*, 3*, 4*, 7*, 8-11||.

Flora. Dresden, Germany. N. D. '11, '12.

Flora oder allgemeine botanische Zeitung. Regensburg; Marburg, Germany.
D. 74-80; I. U. 86+.

Flora of California. Exp. 1+.

Flora of Wyoming.

Report. Exp. '96.

Florida. Agricultural experiment station. Gainesville, Lake City.

Annual report. Exp. '88+; P. '88-'91, '93, '95, '96, '98, '00-'03, '05+.

Bulletin. D. 17, 33, 70-74, 77, 78, 80; Exp. 1+; P. 1+; S. L. 1-6, 9, 10,
12-19, 21-26, 29, 31, 33.

Farmers' institute bulletin. D. 2.

Florida. Agriculture, State board of. Tallahassee.

Biennial report. Exp. '91-'96, '99-'02, '05-'08; P. '95, '96, '11, '12.

Quarterly bulletin. Exp. 11*, 12*, 13*, 14*, 15, 16, 17*, 18, 19*, 20, 23+;
P. 21, 22*, 23+.

Florida (state) horticultural society. Jacksonville.

Annual report. Exp. 5, 7.

Flour and feed. Milwaukee, Wis. Exp. 2, 3*, 4*, 5*, 6-9, 10*, 11*, 12+.

Flour trade news, hay, grain and feed. New York. Exp. 4*, 5, 6*, 7-10.

Flying and aero club of America.

Bulletin. G. 1+.

Folia haematologica. Berlin, Germany. I. U. 3+.

Folia neuro-biologica. Leipzig, Germany. I. U. 1+.

Folia serologica. Leipzig, Germany. I. U. 1+.

Forest, fish and game. See Georgia forest association.

Forest and stream. New York. N. H. 1-17.

Forester. Washington, D. C. P. 4-7||.

Continued as Forestry and irrigation *q. v.*

Forestry and irrigation. Washington, D. C. Exp. 8*, 9, 10*, 11, 12, 13*,
14*||; P. 8-13.

Continued as Conservation *q. v.*

Forest quarterly. Ithaca, N. Y. P. 9+; W. 3+.

- Forschungen** auf dem Gebiete der Agrikulturphysik. Heidelberg, Germany.
Exp. 13.
- Fortschritt** der Physik. Berlin, Germany. P. 4+.
- Fort Wayne** (Ind.) medical journal. P. 2, 22, 27, 28*.
- Foundry.** Cleveland, O. Ft. W. 41+: G. 34+: P. 26+.
- France.** Agriculture et du commerce, Ministère de l'.
Bulletin. S. L. '40-'45.
- France.** Agriculture, Ministère de l'. Paris.
Bulletin. Exp. '88*, '89, '90, '91*, '92*, '93*, '94*, '95*, '96, '97*, '98*,
'99*, '00.
- Franklin institute** of Pennsylvania. Philadelphia.
Journal. N. H. 18*, 27-32: P. 1+: R. P. 5-47, 49-51, 86-97, 115+: S. L.
1-82, 119-128, 130+.
- Fruit belt.** Grand Rapids, Mich. Exp. 7*.
- Fruit grower.** St. Joseph, Mo. Exp. 15*, 16*, 17-19, 20*, 21+.
- Fruitman** and gardener. Mt. Vernon, Ia. Exp. 10*, 11*, 12*, 13+.
- Fühlings** landwirtschaftliche Zeitung. Stuttgart, Germany. Exp. 60+.
- Furrow.** Moline, Ill. Exp. 14*, 16+.
- Garden** and forest. New York. P. 1-10||.
- Garden** magazine. Garden City, N. Y.; New York. Exp. 1*, 2, 5*, 6*, 7*,
8-12, 13*, 14*, 15+: P. 1+.
- Gardeners'** chronicle. London, England. Exp. '41-'73; n. s. 1-26; III. 1+.
First series has no volume numbers.
- Gardener's** monthly. Philadelphia, Pa. Exp. 17-20, 22, 23.
- Garten** flora; Zeitschrift für Garten- und Blumenkunde. Berlin, Germany.
Exp. 37.
- Gas engine.** Cincinnati, O. P. 1+: R. P. 4*+.
- Gas power.** St. Joseph, Mich. G. 8+: P. 1-6.
- General** electric review. Schenectady, N. Y. G. 15+: P. 10+: R. P. 14+.
- Génie** civil. Paris, France. P. 46+.
- Geographical** teacher. London, England. S. N. 1+.
- Geographical** journal. See **Royal** geographical society.
- Geographical** society of America. See **American** geographical society.
- Geographical** society of Philadelphia, Pa.
Bulletin. S. N. 2+.
- Geographische** Zeitschrift. Leipzig, Germany. I. U. 5+.
- Geological** magazine. London, England. I. U. n. s. dec. 3, 4; dec. 4, 1-3,
5-11; dec. 5, 1+.

- Geological society of America.** Rochester, N. Y.; New York.
 Bulletin. E. 13+: I. U. 1+: N. H. 20: S. N. 1+.
- Geological society of London (England).** I. U. 29, 30, 37, 39, 60+.
- Geologisches Centralblatt.** Leipzig, Germany. I. U. 1+.
- Georgia.** Agricultural experiment station. Experiment.
 Annual report. Exp. 1+: P. 1+.
 Bulletin. D. 68-72: Exp. 1+: P. 1+: S. L. 45, 50, 61, 63-65, 67, 69, 70-73.
- Georgia.** Agriculture, State board of. Atlanta.
 Annual report of the commissioner. Exp. '76, '81, '82, '84: P. '83, '84.
 Publications. Exp. 6-9, 12-14: P. 9, 11, 12, 18, 22, 24.
 Quarterly bulletin. Exp. 42-46: P. 42-44, 52, 53.
- Georgia dairy and live stock association.**
 Annual report. Exp. '02, '03, '05, '08, '09.
- Georgia.** Entomology, State board of. Atlanta.
 Bulletin. D. 1: Exp. 1, 3, 5-19, 31-33, 38+: P. 1, 13, 17, 20, 21, 23, 24,
 26, 27, 29-36. S. L. 12-32*.
- Georgia forest association.**
 Forest, fish and game. P. 2, 3.
 Formerly **Southern** woodlands.
- Georgia geological survey.**
 Bulletin. I. U. 1-19, 23, 26+: P. 24, 25: R. P. 1.
 Report. P. '93.
- Georgia (state) horticultural society.** Cairo.
 Proceedings. Exp. '98, '02, '08-'10.
- Georgia (state) veterinarian.**
 Annual report. P. 1.
- Giornale di matematiche di Battaglini.** Naples, Italy. I. U. 47.
- Glasgow (Scotland) mechanics' magazine and annals of philosophy.** N. H.
 1-4.
- Glasgow (Scotland) naturalist.** Ac. 1+: N. D. III. 1+.
- Glasgow (Scotland) philosophical society.**
 Proceedings. R. P. 19, 20.
- Gleanings in bee culture.** Medina, O. Exp. 39*, 40*; P. 36+.
- Goldthwaite's geographical magazine.** New York. S. N. 1-6.
- Good health.** London, England. I. U. 30-46.
- Good housekeeping.** Springfield, Mass. P. 27, 34, 35, 38-42, 44-48, 52, 53,
 55+.

- Good roads magazine.** New York. Exp. o. s. 2*, 3*, 4; n. s. 4*: P. n. s. 8+.
Called **Good roads** 1892-1895, then merged in **League** of American wheelmen bulletin constituting the old series. In 1902 began a new series under the name **Good roads magazine** which became simply **Good roads** again in 1909.
- Gordon memorial college.** Khartoum, Africa. See **Wellcome** research laboratories.
- Grain dealers' journal.** Chicago, Ill. Exp. 16*, 17*, 18*, 19*.
- Graphic arts.** Boston, Mass. Ft. W. 3+.
- Great American architectural record.** M. 1-6.
- Great Britain.** Agriculture and fisheries, Board of. Intelligence division
Annual report. S. L. '08+.
- Great Britain.** Government laboratory.
Report of principal chemist. S. L. '09, '11, '12.
- Great Britain.** Meteorological office.
Report. S. L. '09-'12.
- Greenough's** American polytechnic journal is volume 4 of **American polytechnic journal** *q. v.*
- Green's fruit grower and home companion.** Rochester, N. Y. Exp. 25*, 27*, 28, 29*, 30+.
- Greenwich (England).** Royal observatory.
Report. S. L. '09-'12.
- Grevillea.** London, England. Exp. 1-14.
- Guam** agricultural experiment station. Island of Guam.
Annual report. Exp. '10+.
- Guide to nature.** B. 1+: F. 3+: G. 4*, 5+: N. D. 1, 2, 3*, 4*, 6.
- Gulf biological station.** Cameron, La.
Bulletin. P. 3, 4, 6, 7, 9-11, 13+.
- Half-yearly abstract of medical sciences.** Philadelphia, Pa. D. 56-58: N. D. 48-55: N. H. 1-7, 9, 10-17, 54-58.
- Hamburg (Germany)** mathematische Gesellschaft.
Mittheilungen. I. U. 5+.
- Hamilton (Ontario)** scientific association.
Journal and proceedings. Ac. 1¹, 14-19, 21+.
- Hampton (Va.)** normal and industrial institute.
Hampton leaflets. N. D. n. s. 1*-4*, 5-7.
Report. Exp. '91.
- Handbuch der Biochemie des Menschen und der Thiere.** Jena, Germany.
Exp. 1-4.
- Handbuch der organischer Chemie.** Hamburg, Germany. Exp. 3*.

- Hardwicke's science gossip.** London, England. I. U. 14, 15: N. H. 16.
- Harvard engineering journal.** Cambridge, Mass. P. 2-3, 4*, 5+.
- Harvard university.** Astronomical observatory. Cambridge, Mass.
Annals. I. U. 6-34.
Circulars. I. U. 1, 2,
- Harvard university.** Arnold arboretum. Ac. 21, 23-25, 27+.
- Harvard university.** Jefferson physical laboratory.
Contributions. E. 1+: I. U. 1-5, 7: P. 1-4, 6+: R. P. 1+: W. 3+.
- Harvard university.** Museum of comparative zoology.
Memoirs. S. N. 28*.
- Harvard university.** Peabody museum of American archaeology and ethnology.
Annual report. Ac. '89, '90.
Memoirs. Ac. 1¹⁻⁵: I. U. 1-2, 4+.
Papers. Ac. 1¹⁻⁶: I. U. 1-2, 4-5.
- Harvester world.** Chicago, Ill. Exp. 2*, 3*, 4+.
- Harvey society.** New York.
Lectures. P. '05+.
- Hausfreund und deutscher amerikanischer Farmer.** Lincoln, Neb. Exp. 14*, 16+.
- Havana (Cuba).** See *Academia de ciencias medicas fisicas y naturales.*
- Havana (Cuba) university.**
Revista de la facultad de letras y ciencias. P. 3+: S. N. 3+.
- Hawaii.** Agricultural experiment station. Honolulu.
Annual report. Exp. '01+: L. P. '06+: N. D. '08+: P. '01+: R. P. '06, '07: S. L. '06, '07, '09-'11.
Bulletin. Exp. 1+: L. P. 1, 8, 11-13, 15-18, 21-24, 26+: N. D. 16+: bot. ser. 1+: P. 1+: R. P. 1-17: S. L. 1-17, 21, 23-26, 28: S. N. '02+.
- Hawaii.** Commissioners of agriculture and forestry.
Report. P. 3+.
- Hawaiian forester and agriculturist.** Honolulu. Exp. 5.
- Hawaii experiment station of the sugar planters' association.** Honolulu.
Annual report. Exp. '99-'05: N. D. '08+.
- Hawaii sugar planters' station.** Honolulu.
Annual report. Exp. '05+.
Bulletin, agriculture and chemistry series. Exp. 1-11, 13+.
Agriculture and forestry series. Exp. 1+.
Entomological series. Exp. 1*, 6-12.
Pathology and physiology series. Exp. 1+.

- Health.** New York. S. N. 54+.
- Heating** and ventilating magazine. New York. P. 5+.
- Hedwigia**, ein Notizblatt für kryptogamische Studien. Dresden, Germany.
Exp. 1-23.
Continued as.
- Hedwigia.** Organ für Kryptogamenkunde. Dresden, Germany. Exp. 24-44,
51+.
- Hirnanatomische** Institute in Zürich (Switzerland). I. U. 1+.
Annales. I. U. 1+.
Arbeiten. I. U. 1+.
- Historical** and scientific society of Manitoba. Winnipeg.
Reports. Ac. '97-'06.
Transactions. Ac. 51-72.
- Hoard's** dairyman. Ft. Atkinson, Wis. Exp. 29*, 30*, 33*, 34*, 35*, 36,
37, 38*, 39-41, 42*, 43+.
- Holstein-friesian** association of America.
Annual report. Exp. '85-'87, '89, '90.
- Holstein-friesian** world. Ithaca, N. Y.
Annual report. Exp. 1-4, 5*.
- Home** and farm. Louisville, Ky. Exp. 35*, 36*, 37*, 38+.
- Horse** review. Chicago, Ill. Exp. 43+.
- Horticultural** society of London.
Transactions. N. D. 1-4.
- Horticulturist** and journal of rural art and rural taste. Rochester, N. Y.;
Philadelphia, Pa.; New York. Exp. 15, 16; N. H. 8-10, 12-15, 19-23.
- Hospodarske** listy. Chicago, Ill. Exp. 13*, 14+.
- House** and garden. Philadelphia, Pa. G. 17+.
- House** beautiful. Chicago, Ill. G. 26+; P. 11+.
- Housekeeping** experiment station. Darien, Conn.
Bulletin. P. 1, 3, 5-11.
- Hygienisches** Centralblatt. Leipzig, Germany. I. U. 1+.
- Ice** and refrigeration. Chicago, Ill. P. 40+.
- Idaho.** Agricultural experiment station. Moscow.
Annual report. D. '04; Exp. '94, '95, '98+; P. '94, '01+.
Bulletin. D. 46, 47; Exp. 1+; P. 1-4, 6, 7, 9+.
- Idaho** (state) engineer. Boise.
Biennial report. Exp. '99, '00.
- Idaho** (state) farmers' institutes. Moscow.
Biennial report. Exp. '01, '02.

- Idaho.** Mines, State inspector of. Boise.
Annual report. N. D. 8+.
- Ideal power.** Chicago, Ill. P. 2, 3, 4*, 5.
- Illinois.** Agricultural experiment station. Urbana.
Annual report. Exp. 1+.
Bulletin. D. 98, 100, 101, 119, 120, 123-147, 149-162: Exp. 1+: P. 1+:
S. L. 88+*.
Soil report. D. 1+: Exp. 1+: P. 1+.
- Illinois (state) agricultural society.**
Transactions. D. 6, 7: S. L. '53, '54, '59, '60, '65-'83.
- Illinois.** Agriculture, Department of. Springfield.
Transactions. D. o. s. 10, 12-19: Exp. 4, 6-20, 22, 23: P. 4, 6-14, 24, 25,
27, 30, 37+.
- Illinois (state) bee keeper's association.**
Report. Exp. 1+.
- Illinois (state) dairymen's association.**
Annual report. Exp. 14-16.
- Illinois, Economical geology of.** Springfield. D. 1-3.
Reprints from the reports of the **Illinois (state) geological survey** (*q. v.*) with additions and emendations.
- Illinois (state) entomologist.** Urbana.
Report on noxious and beneficial insects. S. N. '05, '08, '09.
Report. Exp. 23-27.
- Illinois farmer and farmer's call.** Quincy. Exp. 55*, 56, 57*, 58*, 59, 60*,
61+.
- Illinois.** Farmers' institute. Springfield.
Annual report. Exp. 3, 11, 13: P. 1+.
Bulletin. P. 5, 9, 15+.
Yearbook. Department of household science. P. '09-'11.
- Illinois (state) food commission.** Springfield.
Annual report. Exp. 1, 9: P. '00, '01.
- Illinois (state) geological survey.** Urbana.
Bulletin. I. U. 1+: P. 3+.
Report. E. 1-8.
See also **Illinois, Economical geology of.**
- Illinois.** Health, State board of.
Annual report. P. '80-'94.

- Illinois.** Highway commission.
 Annual report. P. 1.
 Bulletin. P. 2.
- Illinois** (state) horticultural society. Kinrundy.
 Transactions. D. n. s. 2-28, 30, 31; Exp. n. s. 3-21, 24, 25, 29-32, 34, 45+;
 P. n. s. 10, 12-38, 40+.
- Illinois.** Horticultural society, Northern. Chicago.
 Transactions. D. 1.
- Illinois.** Live stock commissioners, Board of.
 Annual report. Exp. '90, '92-'97, '09: P. 25, 26.
 Bulletin. Exp. 1-3: P. 1.
- Illinois** live stock breeders' association.
 Report. Exp. '98.
- Illinois** (state) mining board.
 Annual coal report. N. D. 31+.
- Illinois.** Natural history, State laboratory of. Urbana.
 Bulletin. Ac. 1¹, 2, 6, 2¹, 3, 4, 7, 8, 5³⁻¹², 6¹, 7¹⁻¹⁰, 8¹⁻⁵, 9¹⁻⁵: D. 1, 3, 6; Exp.
 2*, 5*: I. U. 6-8; N. D. 7+: P. 3, 7; S. N. 1-7.
- Illinois.** Natural history, State museum of. Springfield.
 Bulletin. I. U. 3-12||: S. N. 3-12||.
- Illinois.** Railroad and warehouse commission.
 Report. N. D. 42+.
- Illinois** society of engineers and surveyors.
 Annual report. P. 1-7, 9+: R. P. 11-17.
- Illinois** (state) survey.
 Bulletin. N. D. 13, 16.
- Illinois** university. Biological experiment station. Urbana.
 Biennial report. Exp. '95, '96.
- Illinois** university. Ceramics, School of.
 Bulletin. P. 1-2, 6+.
- Illinois** university. Engineering experiment station.
 Bulletin. G. 6+: P. 1+: R. P. 1+.
- Illinois** university. Household science, Department of.
 Publications. P. 1+.
- Illinois** university. Urbana.
 Studies. P. 1+*.
- Illinois** university. Urbana.
 Technograph. P. 6-8, 10+.

- Illinois** (state) water survey. Urbana.
 Bulletin. I. U. 3-4, 6, 8: P. 1+.
 Nos. 1 and 2 issued by Illinois university.
- Illuminating engineer.** New York. P. 1+.
- Illuminating engineering society.** Easton, Pa.
 Transactions. P. 1*, 2*, 3*, 4+.
- Illustrierte flora.** Vienna, Austria. N. D. 37+.
- Imperatorskaya akademiya nauk.** St. Petersburg. See *Académie impériale des sciences.*
- Imperial journal of art, science, etc.** Manchester, England. F. 1-4.
- Index medicus.** New York; Washington, D. C. I. U. 3+; M. 2-6.
- Ind a.** Agricultural experiment station. Aligarh.
 Report. Exp. '02-'12.
- India.** Agricultural experiment station. Atarra.
 Report. Exp. '12.
- Ind a.** Agricultural experiment station. Partabgarh.
 Report. Exp. '10-'12.
- India.** Agricultural experiment station. Caunpore.
 Report. Exp. '10-12.
- India.** Agricultural experiment station. Orai.
 Report. Exp. '10, '11.
- India.** Agricultural research institute. Pusa.
 Bulletin. Exp. 18, 28-31: P. 4, 13, 15, 16, 19, 20, 23, 25-26.
 Report. P. '09-'11.
- India.** Agriculture, Department of.
 Annual report. P. '04-'10.
 Memoirs. Bacteriological series. Exp. 1.
 Botanical series. Exp. 2*, 3*, 4*, 5+: P. 1, 2.
 Chemical series. Exp. 1*, 2*+: P. 1*, 2*, 3*.
 Entomological series. Exp. 2*, 3+: P. 1, 2*.
- India.** Inspector-general of forests.
 Review of forest administration. P. '07-'10.
- Indian school journal.** Chilocco, Okla. Exp. 10, 12*, 13+.
- Indian engineering.** Calcutta, India. N. D. 1-14, 16-30, 31*.
- Indiana academy of science.** Indianapolis.
 Proceedings. D. '91-'93, '95-'01, '03+: Exp. '91-'11: F. '98-'04, '08+:
 G. '04, '05, '08+: I. U. 7+: L. P. '98+: N. D. '10+: N. H. 15+: P.
 7+: R. P. '91+: S. N. 7-9, 14+: T. H. '97, '98, '00-'03, '05+: W. 7+.

Indiana. Agricultural experiment station. Lafayette.

Annual report. D. 3, 4, 9, 11-20: Exp. 1+: P. 1+.

Bulletin. D. 13-15, 18, 20, 21, 41, 46, 56, 66, 68, 69, 72-74, 77, 78, 80-95, 97-109, 111-122, 126, 143-145: Exp. 1+: N. D. 59, 60, 159, 160, 162+: P. 1+.

Indiana (state) agricultural society.

Transactions. N. D. 7, 8, 10.

Indiana. Agriculture, Department of.

Annual report*. D. 1-14, 18, 21-23, 25-29, 31, 35, 37-48: Exp. 1-45, 47, 48: N. D. 40, 41, 47: P. 1-3, 6, 9, 11-15, 17+: R. P. 4, 5, 7, 8, 14, 21-24, 37-40, 42-48: S. N. 10, 13, 15-19, 21-26, 28+.

*The numbers given are volume numbers and not report numbers.

Indiana (state) breeders' live stock association.

Report. Exp. 4-8: P. 4+.

Indiana. Charities, Board of state. Indianapolis.

Annual report. D. 1-8, 10, 12+: Exp. 18-22.

Bulletin. D. 32-34, 36-45, 47-59, 61+: Exp. 72-74, 76, 77, 79, 82.

Indiana corn growers' association. Lafayette.

Annual report. Exp. '08+.

Indiana (state) dairy association.

Annual report. D. 20+: Exp. 1-13, 15+: N. D. 22: P. 7-12, 14+.

Indiana engineering society. Indianapolis.

Proceedings. I. U. 8-10, 12: P. 7+: R. P. '93-'96, '08, '09.

Indiana (state) entomologist.

Annual report. D. 1+: Exp. 1+: N. D. 1+: N. H. 1+: P. 1+: S. N. 2+.

Report. Exp. '03, '04: P. '00, '02, '03.

Indiana farmer. Indianapolis. Exp. 18*, 19*, 20*, 21*, 22*, 23*, 24*, 25*,

26*, 27, 28, 29*, 30*, 31, 32*, 33*, 54*, 55*, 56*, 57*, 58*, 59*, 60, 61*, 62*, 63*, 64*, 65*, 66+: P. 59+.

Indiana farmer and gardener. Indianapolis. Exp. 1.

Indiana. Farmers' institutes. Lafayette.

Report. Exp. '93, '94, '96, '98, '00-'10: P. '93, '96, '98, '00, '02, '04-'10: S. N. '82+.

Indiana. Fisheries and game, Commissioner of. Indianapolis.

Biennial report. D. '99+: Exp. '97, '98, '01-'08: N. D. '08: N. H. '92, '99, '00, '09-'10: R. P. '99-'04: S. N. '00+.

Indiana forestry association.

Report. Exp. 3, 5, 7.

Indiana. Forestry, State Board of.

Annual report. D. 3, 5+: E. 3, 5-9, 11: F. 3, 6+: G. 1-3, 5+: I. U. 3+:
L. P. 2+: N. D. 6, 8, 11: N. H. 1+: P. 3+: R. P. 3, 5: S. N. 3, 5+:
T. H. 4+.

Indiana. Geological survey.

Report. D. 2-4, 7-10||: Exp. 1-10||: N. D. 7-10||: N. H. 1-10||: P. 1-7, 8-10||:
R. P. 1-10||:

Report of geological reconnoissance. D. '62: N. H. '39, '62: P. '62.

Indiana. Geology and natural history, Department of.

Bulletin. N. H. 1.

Report. D. 11-16||: Exp. 11-16||: N. D. 11-16||: N. H. 11-16||: P. 11, 12,
14-16||: R. P. 11-16||.

Continued as

Indiana. Geology and natural resources, Department of.

Annual report. D. 17+: Exp. 17+: E. 1-33, 36+: N. D. 1, 2, 11, 13-18,
21-23, 25-27, 29+: N. H. 17+: P. 17+: R. P. 17+.

Indiana geographical congress.

Reports. S. N. 3, 6.

Indiana. Health, State Board of.

Annual report. D. 17-20, 22+: Exp. '83-'85, 18, 20, 23, 25-29: I. U. 5+:
N. D. 5+: N. H. 10-12, 17+: P. 1, 2, 4-13, 15-20, 22+: R. P. 17-20,
22, 23: S. N. 17-20, 22+.

Monthly bulletin. Exp. 1, 2*, 3*, 4+: N. D. 7*-15*, 29+: P. 1+: S. N.
1+.

Quarterly bulletin. Exp. 2*, 3.

Indiana (state) horticultural society.

Bulletin. P. 1+.

Transactions. D. 5, 9, 11, 14-16, 18-24, 26, 27, 29-38, 40+: E. 5, 6, 8, 9:
Exp. 5-26, 28-45, 47, 49, 50: F. 10, 11, 16, 19-23, 25-27, 29-32, 40+:
G. 47, 49+: I. U. 10, 11, 13, 19, 21-23, 29, 40+: L. P. 7, 9, 10, 40+:
N. D. 46, 51: N. H. 5, 9, 11, 13, 40-49: P. 6, 9, 11, 15, 16, 20, 22+: R.
P. '00-'05: S. N. 30, 40-49: T. H. 19-21, 50+: W. 6+.

Indiana medical association.

Journal. Exp. 3*, 4*: I. U. 1+: L. P. '76-'82, '98-'07: P. 1+: T. H. 3, 8,
10-15, 17, 18+.

Transactions. E. '78, '80, '81, '85, '86: Exp. 24-27, 31, 33-36, 38-41, 48,
51-53, 55-58: M. 1-2, 4+: N. H. 28-36, 38-50.

Indiana medical journal. Indianapolis. D. 11-13: I. U. 17-27: M. 1+: P.
11-13, 23-25*, 27: W. 12-27.

- Indiana.** Medical registration and examination, State Board of.
Annual report. Exp. 2, 7, 9-14: F. 2-14: N. D. 14: N. H. 1+: S. N. 1+.
- Indiana** medical society.
Transactions. P. 29, 30, 42, 44-46.
- Indiana** pharmaceutical association. Indianapolis.
Proceedings. N. D. 27: P. '96, '99.
- Indiana.** Pharmacy, Board of.
Annual report. F. 9, 11: N. H. 1, 9, 11: S. N. '07, '09.
- Indiana.** Railroad commission.
Annual report. P. 1+.
- Indiana** state grange. Patrons of husbandry.
Proceedings. P. 28-30.
- Indiana.** Statistics and geology, Bureau of.
Annual report. D. 1, 2||: Exp. 1, 2||: N. H. 1, 2||.
Continued by **Geology** and natural history, Department of *q. v.*; and by **Statistics**, Bureau of. *q. v.*
- Indiana.** Statistics, Bureau of. Indianapolis.
Annual report. D. 3, 4: Exp. 3-6||.
Continued from **Indiana.** Statistics and geology, Bureau of, *q. v.*; Continued as
Biennial report. D. 2-5, 7+: Exp. 1+.
- Indiana** Tippecanoe farmer. Lafayette. Exp. 1.
- Indiana** university. Bloomington.
Studies. I. U. 1+: L. P. 8*, 10*: N. D. 10*+: P. 1+.
- Indiana** university. Zoological laboratory.
Contributions. D. 1-58, 60-75, 77-97, 99-114: N. D. 60-114.
- Indiana** (state) veterinarian. Indianapolis.
Annual report. Exp. '02, '06, '08, '09: P. '02, '06, '08, '09.
- Indiana** wool growers' association.
Annual report. Exp. '01.
- Indianapolis** (Ind.) medical journal. I. U. 7+: M. 12, 14+: P. 12+: W. 12+.
- Industrial** arts index. Minneapolis, Minn.; White Plains, N. Y. G. 1+.
- Industrial** engineering and engineering digest. New York. E. 3, 4: Ft. W. 6+: G. 5+: P. 6+: R. P. 3+.
Continues **Engineering** digest *q. v.*
- Industrial** magazine. Cleveland, O. P. 1+.
Vols. 1-4 have title **Draftsman**; and vol. 5 has title **Browning's** industrial magazine.
- Industries.** Manchester, England. R. P. 1-15.
- Inland** architect and news record. Chicago, Ill. N. D. 44*, 45*, 48*, 49, 50*: R. P. 30-52.
Continued as **American** architect *q. v.*

- Inland printer.** Chicago, Ill. Ft. W. 49+.
- Insect life.** Washington, D. C. See under **United States.** Entomology, Bureau of.
- Institut catholique.** Paris, France.
Ensignment superiur libre. N. D. '81.
- Institut de France.** See **Académie des sciences.**
- Institut international de bibliographie.** Brussels.
Bibliographia physiologica. Ae. 1¹⁻⁵, 2¹⁻².
- Institut Pasteur.** Paris, France.
Annales. I. U. 20+: S. L. 24+.
Bulletin. I. U. 3+.
- Institution of civil engineers.** London, England.
Proceedings. P. 1+: R. P. 87+.
- Institution of electrical engineers.** London, England.
Journal. P. 18+.
Continues from Journal 17, of the Society of Telegraph engineers *q. v.*
- Institution of mechanical engineers.** Birmingham; London, England.
Proceedings. P. 1+.
- Intermédiaire des mathématiciens.** Paris, France. I. U. 18+: P. 15+.
- International apple shippers' association.**
Yearbook. Exp. '08-'10.
- International association for testing materials.**
Report. P. 5.
American section. See **American society for testing materials.**
- International catalogue of scientific literature.** London, England.
R. P. secs. A, B, C, D, F. 1+.
- International commission on zoological nomenclature.**
Opinions. S. L. 1+.
- International congress of applied chemistry.** New York.
Report. Exp. '12.
- International geographic congress.**
Report. P. 8: S. N. 6.
- International independent telephone association.**
Proceedings. P. 10, 11.
- International institute of agriculture, economic and social intelligence.** Rome, Italy.
Bulletin. Exp. '11*, '12+:

International institute of agriculture, agricultural intelligence in plant diseases.
Rome, Italy.

Monthly bulletin. Exp. 2*, 3+.

International journal of microscopy and natural science. London, England.
D. 2.

International journal of surgery and antiseptics. New York. D. 1*.

Continued as

International journal of surgery. New York. D. 2*, 3, 4*.

International railway congress. Brussels, Belgium.

Bulletin. P. 19+.

International studio. New York. P. 12*, 13, 14*, 15+.

Internationale Monatschrift für Anatomie und Physiologie. Leipzig, Germany. I. U. 1+.

Internationale Wochenschrift für Wissenschaft, Kunst, und Technik. Berlin, Germany. I. U. 1+.

Internationaler Kongres katholischen Gelehrten zu München, Germany.

Akten. N. D. '01.

Internationales Archiv für Schulhygiene. Leipzig, Germany. I. U. 1+.

Interstate association of live stock sanitary boards.

Proceedings. Exp. 4, 5.

Ion. London, England. W. 1.

Iowa academy of sciences. Des Moines.

Proceedings. Ac. 11, 12, 14-18: I. U. 1, 2, 18+: N. D. 2, 5, 7, 9, 10, 12-15,
17+: S. L. 1⁴, 3-5, 7, 9, 10.

Iowa. Agricultural experiment station. Ames.

Annual report. Exp. 1, 3: P. 1*, 2*, 3*, 4+.

Bulletins. Exp. 1+: N. D. 107-112, 114-122, 124-127, 129-141, 143+:
P. 1+.

Research bulletins. Exp. 1+: N. D. 1-8, 11+: P. 1+.

Iowa (state) agricultural society.

Report. S. L. '61, '62, '65, '67, '72-'74, '76-'82, '84-'89, '95, '96, '98, '99.

Iowa. Agriculture, Department of. Des Moines.

Yearbook. Exp. '04-'11: P. '05+.

Iowa (state) college of agriculture and mechanic arts. Ames.

Bulletin. Exp. 4, 8.

Extension department bulletin. P. 1-5, 7-12, 14+.

Iowa (state) dairy association.

Report. Exp. '91-'96.

- Iowa** (state) drainage association.
 Proceedings. Exp. 1-2, 4-7.
- Iowa** (state). Drainage, waterways and conservation commission.
 Report. P. 1+.
- Iowa** engineer. Ames. P. 1+.
- Iowa**. Engineering experiment station.
 Bulletin. Exp. 3*, 4*: P. 4+.
- Iowa** engineering society.
 Proceedings. P. 1.
- Iowa**. Geological survey.
 Annual report. E. 6, 7, 9-20; I. U. '55-'57, '66-'69, '92+: N. H. '55-'57,
 '66-'69.
 Bulletin. Exp. 1: P. 1.
 Report survey of '55-'59. E. 1*.
- Iowa** (state) geologist. Des Moines.
 Report. N. H. 1, 2.
- Iowa**. Health. State board of. Des Moines.
 Biennial report. P. '80-'97, '99-'03, '08-'10.
- Iowa** (state) highway commission. Ames.
 Report. Exp. 2, 3.
- Iowa** homestead. Des Moines. Exp. 54*, 55*.
- Iowa** (state) horticultural society. Des Moines.
 Transactions. D. 16; Exp. 14-19, 25, 27-46; P. 44; S. L. '72-'07*.
- Iowa** naturalist. Iowa City. Ac. 1; N. D. 1+.
- Iowa** park and forestry association. Des Moines.
 Proceedings. Exp. '03, '05.
- Iowa** (state) university. Iowa City. Engineering society.
 Transit. P. 1-3, 5-13, 15.
- Iowa** (state) university. Iowa City. Natural history, Laboratories of.
 Bulletin. N. D. 5+: N. H. 4, 5; P. 2-4.
- Iowa** (state) university. Iowa City. Physical laboratory.
 Contributions. P. 1*.
- Iowa** (state) university. Iowa City. Psychology, Department of.
 Studies. I. U. 1-3; P. 1, 2.
- Ireland**. Agricultural technical instruction, Department of. Dublin.
 Bulletin. Exp. 1, 4.
 Leaflets. Exp. 1, 4-7, 9-11, 13-37.
- Iron** age. New York. Ft. W. 69, 70, 72*, 73*, 75, 76, 78-85, 87+: G. 83+:
 M. 61, 62, 71+: N. D. 52-56; P. 67*-71*, 81+.

- Iron and steel institute.** London, England.
Carnegie scholarship memoirs. P. 1+.
Journal. G. '76+: P. 75+.
- Iron and steel magazine.** Boston, Mass. P. 1-11||.
Vols. 1-6 have title **Metallographist**. Combined in 1906 with **Electro-chemical** and metallurgical industry *q. v.*
- Iron trade review.** Cleveland, O. G. 45+: P. 39-46.
- Irrigation age.** Chicago, Ill. Exp. 24, 25, 26*, 27+.
- Jahresbericht** über das Gebiet der Pflanzenkrankheiten. Berlin, Germany.
Exp. 11.
- Jahrbuch** der Chemie (Meyer). Brunswick. P. 1+: R. P. 3+.
- Jahrbuch** über die Fortschritte der Mathematik. Berlin, Germany. I. U. 1+: P. 1+.
- Jahrbücher** für wissenschaftliche Botanik. Berlin; Leipzig, Germany. I. U. 7-46, 48+.
- Jahresbericht** über die Fortschritte der Chemie und Mineralogie. Tübingen, Germany. P. '22-'74.
- Jahresbericht** über die Fortschritte der reinen pharmaceutischen und technischen Chemie, Physik, Mineralogie, und Geologie. Giessen, Germany. I. U. 1+.
- Jahresbericht** über die Fortschritte in der Lehre von den pathogenen Mikroorganismen. Leipzig; Brunswick, Germany. I. U. 1+.
- Jahresbericht** über die Leistungen und Fortschritte auf dem Gebiete der Neurologie und Psychiatrie. Berlin, Germany. I. U. 1+.
- Jahresberichte** der deutschen Mathematiker Vereinigung. Leipzig, Germany. I. U. 1-9, 11-14, 15+.
- Jahresberichte** über die Fortschritt der Anatomie und Physiologie. Leipzig, Germany. I. U. 1-8.
- Jamaica** (W. I.). Agriculture, Department of. Kingston.
Bulletin. Exp. 1-5, 6*.
Report. Exp. '00, '02-'07.
- Jamaica** (W. I.). Botanical department.
Bulletin. Exp. 2*, 3, 9*.
- Japan.** Agricultural experiment station. Hokkaido.
Bulletin. Exp. 1-11.
Report. Exp. 2-4.
- Japan college of agriculture.** Tokyo.
Bulletin. Exp. 5, 7, 8*. P. 7.

- Japan.** See **Seismological society of Japan.**
- Jardin impériale botanique.** St. Petersburg, Russia.
Bulletin. N. D. 12+.
- Jersey bulletin and dairy world.** Indianapolis, Ind. Exp. 25*, 26*, 27*, 28*, 29*, 30*, 31+: P. 24+.
- Jewish agricultural and industrial aid society.** New York.
Annual report. Exp. 9, 11: P. '09+.
- Johns Hopkins hospital.** Baltimore, Md.
Bulletin. Exp. 22+: I. U. 1+: M. 18-20, 22: P. 17+.
Report. I. U. 1+.
- Johns Hopkins university.** Baltimore, Md.
Circulars. Ac. 4-21*: D. 1-11: I. U. 25+: P. 16+.
- Josselyn botanical society of Maine.** Portland.
Bulletin. N. D. 2.
- Journal de l'anatomie et de la physiologie normales et pathologiques.** Paris, France. I. U. 40+.
- Journal de l'école polytechnique.** See **École polytechnique.**
- Journal de mathématique.** Paris, France. I. U. 1-20; II. 1-19; III. 1-10; IV. 1-10; V. 1-10; VI. 1+.
- Journal de micrographie.** Paris, France. R. P. 1.
- Journal de physiologie et de pathologie générale.** Paris, France. I. U. 1+.
- Journal de physique.** Paris, France. I. U. III. 6-10; IV. 1-8; V. 1+: P. IV. 4+: W. IV. 2, 4, 5.
- Journal für die reine und angewandte Mathematik.** Berlin, Germany. I. U. 1-119, 121+.
- Journal für Landwirtschaft.** Göttingen; Berlin, Germany. Exp. 21-24, 28, 31, 37+.
- Journal für praktische Chemie.** Leipzig, Germany. N. D. 51*, 52*; W. 1-80.
- Journal für Psychologie und Neurologie.** Leipzig, Germany. I. U. 1+.
- Journal of abnormal psychology.** Boston, Mass. I. U. 3, 5+.
- Journal of advanced therapeutics.** Rahway, N. J. P. 23*, 24*.
- Journal of agricultural science.** Cambridge, England. Exp. 3+: P. 2+.
- Journal of agriculture.** London, England. S. L. 1-20.
- Journal of agriculture.** St. Louis, Mo. Exp. 51*, 52*, 53*.
- Journal of analytical and applied chemistry.** Easton, Pa. Exp. 2*, 3*: P. 4-7; R. P. 4-7; W. 1-7].
Continued from Vol. 7 as **American chemical society. Journal.** q. v.
- Journal of anatomy and physiology.** London, England. I. U. 38+.

- Journal** of animal behavior. Cambridge, Mass. B1+: D. 1+: I. U. 1+: P. 5+: S. N. 1+.
 Behavior monographs. B. 1+: I. U. 1+.
- Journal** of applied microscopy. Rochester, N. Y. B. 2-6||: N. D. 1*, 2*, 3-6||: S. N. 4-6||.
- Journal** of biological chemistry. New York. I. U. 1+: N. D. 1+: P. 1+: S. L. 2+.
- Journal** of botany, British and foreign. London, England. Exp. 40-49.
- Journal** of botany (Hooker). London, England. I. U. 1+: N. H. 1-4.
- Journal** of comparative medicine and surgery. Philadelphia, Pa. Exp. 1-10||.
 Continued by **Journal** of comparative medicine and veterinary archives *q. v.*
- Journal** of comparative medicine and veterinary archives. Philadelphia, Pa. Exp. 11-24.
- Journal** of comparative neurology. Philadelphia, Pa. D. 1-21: I. U. 1+: S. N. 16+.
 Volumes 14-20 were entitled **Journal** of comparative neurology and psychology.
- Journal** of comparative pathology and therapeutics. London, England. Exp. 23+.
- Journal** of cutaneous and venereal disease. New York. D. 1*, 2*, 3*.
- Journal** of economic entomology. Concord, N. H. Exp. 1+: P. 1+: S. L. 1-4: W. 2+.
- Journal** of educational psychology. Baltimore, Md. I. U. 1+: P. 1+: S. N. 1+.
- Journal** of engineering. Boulder, Colo. See under **Colorado** university.
- Journal** of electricity, power, and gas. San Francisco, Calif.; New York. P. 27+.
- Journal** of experimental medicine. New York; Lancaster, Pa. Exp. 13+: I. U. 1-6, 8-12, 14+.
- Journal** of experimental zoology. Philadelphia, Pa. E. 6: I. U. 1-12: P. 1+: S. L. 6+: S. N. 1+: W. 2+.
- Journal** of genetics. Cambridge, Mass. I. U. 1+.
- Journal** of geography. Lancaster, Pa.; Chicago, Ill.; New York. I. U. 7+: S. N. 1+.
- Journal** of geology. Chicago, Ill. B. 7-18: E. 1+: F. 20+: I. U. 1+: M. 18, 19: P. 1*, 2*, 3*-5*, 6-14, 15*, 16+: S. L. 1+: S. N. 1+: W. 1+.
- Journal** of home economics. Geneva, N. Y. P. 2+.
- Journal** of hygieo-therapy. Kokomo, Ind. D. 4*, 5*, 6*, 7*: P. 1*.
- Journal** of hygiene. Cambridge, England. I. U. 1+: P. 6+.

- Journal** of industrial and engineering chemistry. Easton, Pa. D. 1+: Exp. 1+: Ft. W. 4+: G. 5+: I. U. 1+: N. D. 1+: P. 1+.
- Journal** of infectious disease. Chicago, Ill. Exp. 1+: P. 1+: S. L. 5+: T. H. 6+.
- Supplement. Exp. 1-4.
- Journal** of materia medica. New Lebanon, N. Y. D. 1*, 13*, 14*, 15*, 20*, 23*, 24*.
- Journal** of medical research. Boston, Mass. Exp. o. s. 24+: I. U. n. s. 1-17, 21+: T. H. 20-22, 24-26.
- Journal** of medical science. Dublin, Ireland. D. 62, 66, 72.
- Journal** of medical science. Edinburgh, Scotland. D. 1-3.
- Journal** of mental science. London, England. I. U. 40-56, 58+.
- Journal** of microscopical science. See **Quarterly journal** of microscopical science.
- Journal** of morphology. Boston, Mass.; Philadelphia, Pa. B. 10-20: D. 1-23: I. U. 1-17, 19+: P. 1+: W. 17.
- Journal** of mycology. Manhattan, Kan.; Washington, D. C.; Columbus, O. D. 1-14: N. D. 1-3, 7*, 8*: S. L. 1-7: S. N. 1-4: W. 9-12.
- Continued as *Mycologia* *q. v.*
- Journal** of nervous and mental diseases. New York. I. U. 27+: T. H. 36+.
- Journal** of pathology and bacteriology. Cambridge, Mass. Exp. 15+.
- Journal** of pathology and bacteriology. Edinburgh, Scotland; London, England. I. U. 1+.
- Journal** of pharmacology and experimental therapeutics. Baltimore, Md. P. 1+.
- Journal** of philosophy, psychology and scientific methods. New York. E. 1-6: I. U. 1+: P. 5+: S. N. 1+.
- Journal** of physical chemistry. Ithaca, N. Y. B. 18+: I. U. 1-15: P. 6+.
- Journal** of physiology. Cambridge, London, England. D. 1-6, 12, 16: I. U. 1+: P. 32+.
- Journal** of race development. Worcester, Mass. I. U. 1+.
- Journal** of religious psychology. See **American journal** of religious psychology and education.
- Journal** of school geography. Lancaster, Pa. S. N. 1+.
- Journal** of the board of agriculture. London, England. Exp. 17*, 18+.
- Journal** of the veterinary science in India. Madras. Exp. 1-7.
- Journal** of tropical medicine. London, England. I. U. 9+.
- Journal** russe de botanique. St. Petersburg, Russia. N. D. '12+.

Jurjev (Russia) Imperial university.

Acta horti botanici. N. D. 14+.

Kaiserlich Gesundheitsamte. Berlin, Germany.

Arbeiten. Exp. 1, 3.

Kaiserlich-königliche zoologische-botanische Gesellschaft. Vienna, Austria.

Verhandlungen. Ac. 38, 39¹⁻⁴, 40^{3, 4}, 41-43, 44¹⁻⁴, 45¹⁻¹⁰, 46^{1-3, 5, 7, 9, 10}, 47¹⁻¹⁰, 49-60, 61¹⁻¹⁰.

Kaiserlich-leopoldinische-carolinische deutsche Akademie der Naturforscher.
Halle, Prussia.

Abhandlungen. Ac. 68, 69^{1, 2}, 70¹, 73³, 77¹, 79², 81^{1, 3, 6}, 82^{3, 4}, 86^{1, 2}, 88³, 90^{1, 3, 4}, 92¹, 93².

Kansas academy of science. Topeka.

Transactions. Ac. 9, 19-22, 24; E. 13, 15-18; Exp. 8, 12; I. U. 20-21, 24, 25, 28, 29, 32-35; N. D. 20+; N. H. 21*; R. P. '87-'90, '99-'02; S. L. 5, 8-17.

Kansas (state) agricultural college. Manhattan.

Agricultural education. P. '10+.

Kansas. Agricultural experiment station. Lawrence.

Annual report. Exp. 1-5.

Kansas. Agricultural experiment station. Manhattan.

Annual report. Exp. 1+; P. 1+; S. L. '83-'00.

Bulletin. D. 75, 127, 129; Exp. 1+; N. D. 180; P. 1+; S. L. '89-'98.

Kansas. Agriculture, State board of.

Annual report. D. 5||.

Continued as

Biennial report. D. 1, 3-5; Exp. 9+; N. D. 4; P. 1, 3, 10+.

Quarterly report. Exp. 20*, 21*, 22*, 23*, 24*, 27*, 28+; P. 26, 27*, 28*, 29, 30*, 31+.

Kansas (state) entomological commission.

Report. P. 1+.

Kansas farmer. Topeka. Exp. 47*, 48*, 49*, 50*, 51+.

Kansas (state). Fish and game, Department of.

Bulletin. P. 1+.

Kansas (state). Geological survey.

Bulletin on mineral resources. I. U. 1+; P. '99, '03; R. P. '97-'99.

Report. E. 1-7, 9; P. 3, 5, 6; R. P. 2-5.

Report of progress. P. n. s. 1.

Kansas (state) horticultural society. Topeka.

Biennial report. D. 1-3.

Pamphlets. S. L. 1-4.

Report. D. 9-16; P. 15.

Continued as Biennial report *q. v.*

Transactions. Exp. 13-16, 18-22, 24, 27, 28, 30, 31; S. L. '78-'10.

Kansas industrialist. Manhattan, Kan. N. D. 38*, 39*+.

Kansas live stock sanitary commission. Topeka.

Biennial report. Exp. '09, '10.

Kansas university. Lawrence.

Engineering record. P. 1-2.

Quarterly. Ac. ser. A. 6-10; ser. B. 6-7; P. 1-10*.

Science bulletin. Ac. 1-5, 6; D. 4*, 7*, 13*; I. U. 1+; N. D. 1+; P. 1+;
R. P. 1+.

Keith's magazine. Minneapolis, Minn. Ft. W. 15+; G. 23+.

Kentucky. Agricultural experiment station. Lexington.

Annual report. D. 2-18; Exp. 1+; P. 1+.

Bulletin. D. 93, 124-133, 135, 140, 112-148, 151-158, 161-164, 167, 169+;
Exp. 1+; P. 1+; S. L. '09+.

Kentucky (state) agricultural society.

Report. S. L. '56, '57.

Kentucky. Agriculture, labor and statistics, Bureau of. Frankfort.

Biennial report. Exp. '04, '05; P. '06-'09.

Kentucky (state) farmers' institute. Louisville.

Annual report. Exp. '07, '11.

Kentucky. Forestry and emigration, State board of.

Annual report. Exp. '78.

Kentucky (state). Geological survey.

Report of progress. I. U. '54-'59; N. D. '56, '57; N. H. 1-4; P. n. s. 1.

Keramic studio. New York. G. 12+.

Kew, England. See **Royal** botanic gardens.

Kimball's dairy farmer. Waterloo, Ia. Exp. 7, 8*, 9+.

Kleinwelt. Zeitschrift der deutschen micrologischen Gesellschaft. Munich,
Germany. N. D. '09+.

Königlich-bayerische Akademie der Wissenschaften. Munich, Germany.

Sitzungsberichte. Ac. 1-15, '11¹⁻³, '12¹⁻².

Königlich deutsches archæologisches Institut.

Mittheilungen athenische. I. U. 1+.

Mittheilungen roemische. I. U. 1+.

- Königlich-preussische Akademie der Wissenschaften.** Berlin, Germany.
Abhandlungen. I. U. 1+.
- Königlich-sächsische Gesellschaft der Wissenschaften:mathematisch-physische Klasse.**
Berichte über die Verhandlungen. I. U. 63+.
- Königliche Gesellschaft der Wissenschaften zu Gottingen.** Mathematisch-physikalische Klasse.
Nachrichten. I. U. 61+.
- Königliche katholische Gymnasium.** Culm, Germany.
Jahresberichte. N. D. 10.
- Kongelige norske videnskabers selskab.** Trondhjem, Norway.
Skrifter. Ac. '97-'11.
- Kongliga svenska Vetenskaps-akademie.** Stockholm, Sweden.
Arkiv för botanik. Ac. 1¹⁻⁴, 2¹⁻³, 7+.
Arkiv för kemie, mineralogi oeh geologie. Ac. 1¹, 3¹⁻⁶, 4¹⁻⁷.
Arkiv för zoologi. Ac. 1¹, 4+.
Behang till handlingar. Ac. 12-28.
- Koninklijke natuurkundige Vereeniging in Nederlandsch-Indie.** Weltevreden, Dutch East Indies.
Naturkundige Tijdschrift. Ac. 52, 53, 55+.
- Koninklijke akademie von wettenschafpen.** Amsterdam, Holland. I. U. 13+.
- Kosmos.** Stuttgart, Germany. N. D. '13+.
- Lake Michigan water emmission.**
Report. P. 1+.
- Lancet.** London, England. I. U. 82-87.
The American reprint was issued in New York under the title **London lancet** *q. v.*
- Landscape architecture.** Harrisburg, Pa. G. 2+.
- Landwirtschaftliche Jahrbücher.** Berlin, Germany. Exp. 12-26, 40+.
- Landwirtschaftlichen Versuchsstationen.** Berlin, Germany. Exp. 17, 36, 37,*
38, 39*, 40+: I. U. 35-47, 49+.
- La Plata** (Argentine Republic). See **Museo de la Plata.**
- Leaflets of botanical observations and criticism** (Greene). Washington, D. C. N. D. 1+.
- Leeds** (N. Dak.) herbarium.
Bulletin. N. D. 1, 2||.
- Leland Stanford, jr.** university. Hopkins laboratory.
Contributions to biology. Exp. 19, 25, 27, 30: I. U. 1-32: P. 1-8, 10-12,
14, 16, 18-30.
Publications. Ac. 1-6, 9: Exp. 1-6, 9, 11+: P. 1+.

- Lens.** Chicago, Ill. R. P. 1, 2||.
- Lick observatory.** See **California university.**
- Liebig.** Annual report of progress of chemistry and allied sciences. London, England. R. P. 1-4.
- Lilly scientific bulletin.** Indianapolis, Ind. Exp. I*: N. D. 1. 1+.
- Lincoln (Neb.) freie press.** Exp. 28*, 29+.
- Linnean society of London (England).**
Transactions. I. U. II. zoology 4+.
- Linnean society of New South Wales.** Sidney, Australia.
Proceedings. Ac. 25, 26¹⁻⁴, 27²⁻⁴, 28¹⁻⁴, 29¹⁻⁴.
- Linnean society of New York.**
Abstract of proceedings. Ac. 1-4, 6-11.
Transactions. Ac. 1.
- Lister institute of preventive medicine.** London, England.
Collected papers. Ac. 2-8¹⁻².
- Live stock journal.** Chicago, Ill. Exp. 48*, 55*, 56*; P. 33-42.
- Live stock journal.** London, England. Exp. 33-48, 56-62, 65*, 66+.
- Lloyd library.** Cincinnati, O.
Bibliographical contributions. Ac. 1+: Exp. 2-10: N. D. 1+.
Bulletins. Botanical series. Ac. 2: Exp. 2: N. D. 1+: P. 1+.
Materia medica series. N. D. 1+: P. 1+.
Mycological series. Ac. 1-4, 6: Exp. 3-4: P. 1+.
Pharmacy series. Ac. 1+: Exp. 1-5: N. D. 1+: P. 1+.
Polyporoid series. Exp. 1.
Reproduction series. Ac. 1-6: Exp. 1-7.
Mycological notes. Ac. 1-26, 30-35: Exp. 32-37: N. D. 1*-3*: P. 1-11, 14+.
- Locomotive engineering.** New York. P. 8*, 9*, 10-13||: R. P. 10-13||.
Continued as **Railway and locomotive engineering** *q. v.*
- Locomotive firemen's and enginemen's magazine.** Terre Haute, Ind.; Peoria, Ill. P. 46+: R. P. 10, 12+.
- London (England).** See **Lister institute.**
- London (England).** Agriculture and fisheries, Board of.
Annual report. Exp. '04, '05, '08.
Leaflets. Exp. 18, 29, 66, 78, 97, 100, 144, 146, 160-190, 192-194, 196-206, 208-226, 228, 233, 241, 242, 245, 246, 248-255, 257+.
- London (England) horticultural society.**
Transactions. N. D. 1-4.
- London (England) journal of arts and sciences.** N. D. 1-4, 8, 9, 12, 13.

- London lancet.** New York. N. H. 1-14; n. s. '52-'58.
American reprint of the **Lancet**, London. *q. v.*
- London mathematical society.**
Proceedings. I. U. I. 1-35; II. 1+.
- London (England) medical and surgical journal.** D. 1-8.
- London (England) microscopical society.**
Transactions. R. P. 1-3.
- London physical society.**
Proceedings. I. U. 1+: P. 19+.
- Long Island agronomist.** Medford, N. Y. Exp. 1+: P. 5+.
- Louisiana. Agricultural experiment station.** Baton Rouge.
Annual report. Exp. 1+: P. 1-6, 10, 12+.
Bulletin. Exp. o. s. 1-8, 10-28; n. s. 1+: P. 1+: S. L. 106-112, 115-116,
124.
- Louisiana. Agriculture, Commissioner of.**
Biennial report. P. 2, 9, 12, 13.
- Louisiana conservation commission.**
Report. P. '10.
- Louisiana. Crop pest commission.** Baton Rouge.
Biennial report. Exp. '06-'09: P. '04-'07.
- Louisiana geological survey.** Baton Rouge.
Bulletin. Exp. 1, 3-8: P. 1-5, 7-8.
Report. P. '99, '02.
- Louisiana. Gulf biologic station.** Cameron.
Bulletin. P. 3, 4, 6, 7, 9-11, 13-15.
- Louisiana (state) horticultural society.** Baton Rouge.
Annual report. Exp. '04-'08.
- Louisiana (state) museum.** New Orleans.
Bulletin. Ac. 1: Exp. 1: N. D. 1, 2, 4+.
Report. Ac. '10, '12: N. D. '08, '10+.
- Louisiana planter and sugar manufacturer.** New Orleans. Exp. 3*, 4-8,
9*, 10-12, 13*, 14*, 15*, 16, 17*, 18*, 19*, 20*, 21*, 22, 23, 24*, 25*, 26,
27, 28*, 29*, 30, 31*, 32, 33*, 34, 35*, 36*, 37-40, 41*, 42*, 43-45, 46*,
47*, 48*, 49*, 50+.
- Louisiana society of naturalists.**
Proceedings. N. D. '00.
- Louisiana state university.** Baton Rouge.
Farmer's library circulars. P. 1.

- Louisville** (Ky.) medical monthly. P. 2*, 3*.
- Lowell** observatory. Flagstaff, Ariz.
Annals. I. U. '98, '00, '05.
- Lumière électrique.** Paris, France. P. n. s. 1+.
Continues **Eclairage électrique** *q. v.*
- Lyon** (France), Université catholique de. N. D. n. s. 6-9.
- Machinery.** New York. Engineering edition. Ft. W. 13+: G. 7*, 8+: L.
P. 15*, 16*, 18*, 19+: P. 10+: R. P. 3+.
- Magazine of art.** London, England. P. 3-13, 14*.
- Magyar botanikai Lapok.** Budapest, Hungary. N. D. 10+.
- Magyar királyi természettudományi társulat.** Budapest, Hungary.
Megbízásából. Ae. 1-3.
- Magyar madártani központ folyóirata.** Budapest, Hungary.
Aquila. Ae. 5+: N. D. '12+.
- Magyar memzeti múzeum.** Budapest, Hungary. Ae. 1-3.
- Maine.** Agricultural experiment station. Orono.
Annual report. Exp. '85+: P. '88+.
Bulletin. D. 28, 32, 35, 36, 42, 46, 113, 115-118, 136, 138: Exp. o. s. 1-26:
n. s. 1+: P. 1+.
Official inspection bulletin. Exp. 1+: P. 1+.
- Maine.** Agriculture, Commissioner of.
Annual report. P. 1+: S. N. 1+.
Bulletin. P. 8*, 9*, 10*, 11+.
- Maine.** Agriculture, state board of.
Annual report. P. 1-45.
- Maine.** Cattle commissioners.
Report on contagious diseases of animals. P. '02-'08.
- Maine** dairymen's association.
Annual report. Exp. 9-11: P. 13.
- Maine** (state) entomologist.
Annual report. P. 1-6.
- Maine** forest commissioner.
Report. P. 4, 5, 7, 8: S. N. 4, 5, 7.
- Maine.** Health, State board of. Augusta.
Annual report. Exp. 8-10, 12-15: P. 1-15.
Bulletin. Exp. *1, 2+.
Report of sanitary inspector. Exp. 8*, 9, 10, 11-15*.
- Maine.** Highway, Commissioner of.
Annual report. S. N. '05-'09.

- Maine** (state) horticulturist.
Annual report. P. 1+.
- Maine.** Inland fisheries and game, Commissioner of.
Report. P. '02, '06+; S. N. '02, '06, '08.
- Maine** (state) pomological society. Turner.
Transactions. Exp. '95, '99, '01.
- Maine.** Sea and shore fisheries, Commissioners of.
Report. P. '02+; S. N. '03-'08.
- Maine.** Water storage commission. Augusta.
Report. N. D. 1+; P. 1+.
- Malvern** (England) college natural history society.
Report. N. D. 9+.
- Man.** Londou, England. I. U. 8+.
- Manchester** (England) microscopical society.
Annual report and transactions. N. D. '11+.
- Manchester** (N. H.). Water commissioners, Board of.
Annual report. N. D. 4+.
- Manitoba.** See **Historical** and scientific society of Manitoba; **Winnipeg.**
- Manitoba** agricultural college. Winnipeg.
Bulletin. Exp. 1-5.
- Manitoba** horticultural and forestry association. Winnipeg.
Annual report. Exp. '98, '02-'06, '08, '09.
- Manual** training magazine. Chicago; Peoria, Ill. Ft. W. 10+; G. 10+;
I. U. 6+; L. P. 10+; N. H. '11+; P. 9+; S. N. 1+; T. H. 9+.
- Marconigraph.** New York. Ft. W. 1+.
- Marine** biological laboratory. Woods Hole, Mass.
Lectures. I. U. 1-7; S. N. '93-'99||.
See **Biological** bulletin.
- Market** growers' journal. Louisville, Ky. Exp. 1, 2, 3*, 4-7, 8*, 9+.
- Maryland** agricultural college. College Park, Md.
Quarterly. Exp. 1-3, 5-21, 23-37, 46-48, 50+.
- Maryland.** Agricultural experiment station. College Park.
Annual report. Exp. 1+; P. 1+.
Bulletin. D. 58, 60; Exp. 1+; P. 1+; S. L. '98-'09.
Special bulletin. Exp. '89-'90.
- Maryland.** Geological survey.
Report. E. 1-6, 9; I. U. 1; P. 1+.
- Maryland** (state) horticultural society. College Park.
Annual report. Exp. 2-4, 6-13.

- Maryland.** Statistics and information, Bureau of. Baltimore.
Annual report. Exp. '10-'11.
- Maryland** weather service. Baltimore, Md.
Report. E. 2; Exp. 2; P. n. s. 1+; S. N. n. s. 1+.
Special publications. N. D. 3.
- Massachusetts** agricultural college. Boston, Mass.
Annual report. Exp. '92-'94, '97-'01, '04.
- Massachusetts.** Agricultural experiment station. Amherst; Hatch station.
Annual report. Exp. 1+; N. D. 19-22, 24+; P. 2, 3, 8+.
Bulletin. Exp. 1+; N. D. 100-106, 108, 110-121, 123-135, 138+; P. 1+.
- Massachusetts.** Agricultural experiment station. State station.
Annual report. Exp. 1-25; P. 1-12.
Bulletin. Exp. 5, 7-56; P. 1-45, 47-49, 51, 52, 54-56.
Meteorological observations. Exp. 1+; P. 234+.
Special bulletin. Exp. 1-6.
The Hatch station and the State station were combined in 1896.
- Massachusetts** agricultural society.
Reports. N. D. 1+.
- Massachusetts.** Agriculture, State board of.
Annual report. Exp. '53+; N. D. 10, 11+; P. '55, '86-'69; R. P. 4, 29.
Bulletin. Exp. 1+; P. 1+.
Crop report bulletin. Exp. 23+.
Nature leaflets. Exp. 1+.
- Massachusetts.** Cattle commissioners, Board of. Boston
Annual report. Exp. '99-'01.
- Massachusetts** (state) forester.
Bulletin. P. 1, 3-5.
Report. P. 5+.
- Massachusetts** fruit growers' association.
Annual report. Exp. 12-17.
- Massachusetts.** Health, State Board of.
Annual reports. R. P. 1-11, 23; P. 1-7, 11, 18, 20-29, 32+.
- Massachusetts.** Highway commission.
Report. P. 1, 4, 7-14, 17+.
- Massachusetts** horticultural society. Boston.
Transactions. Ac. '92², '93^{1, 2}, '94^{1, 2}, '95¹⁻³, '96¹⁻², '97^{1, 2}, '98^{1, 2}, '99^{1, 2},
'00², '03², '04^{1, 2}, '05^{1, 2}, '06-'09, '10^{1, 2}, '11¹, '12¹+; Exp. '88, '89, '90,
'91+; P. '83, '95.

- Massachusetts.** Zoological and botanical survey, Commissioner of.
Report. N. D. '41: N. H. '41.
- Master car builders' association.** New York.
Proceedings. P. 1-6, 9, 11, 13-24, 26-37, 39+.
- Materia medica or Pharmacology and therapeutics.** Springfield. D. 1*.
- Mathematical gazette.** London, England. I. U. 1+: S. N. 4+.
- Mathematical magazine.** Washington, D. C. I. U. 1: W. 2.
- Mathematical messenger.** Ada, La.; Tyler, Tex. I. U. 4-7.
- Mathematical monthly.** Cambridge, Mass. I. U. 1-3: P. 1-3: R. P. 1-3.
- Mathematical questions and their solutions.** London, England. I. U. 1-75;
n. s. 1+.
- Mathematical review.** Worcester, Mass. I. U. 1*, 2*.
- Mathematical visitor.** Erie, Pa. I. U. 1, 2.
- Mathematico-physical society of Tokyo, Japan.**
Journal. I. U. '11.
- Mathematische Annalen.** Leipzig, Germany. R. P. 1+: P. 1+: I. U. 1+.
- Mathematische und naturwissenschaftliche Berichte aus Ungarn.** Budapest,
Hungary. Ac. 1-12, 14-26¹⁻³: I. U. 1+.
- Mathésis, recueil mathématique.** Ghent, Belgium. I. U. 1-17, 19+.
- Mechanics.** See **Engineering mechanics.**
- Mechanics.** N. D. 13, 14, 16, 18, 19.
- Mechanics' magazine.** London, England. N. H. 1-15, 19, 20.
- Mechanics' magazine and register of invention and improvement.** New York.
N. H. 1-4.
- Medical adviser.** London, England. N. H. 1-5.
- Medical age.** Detroit, Mich. D. 1*, 2*, 3*, 4-6, 7*, 8, 9*.
Continues from **Michigan medical news** *q. v.*
- Medical and surgical journal.** Edinburgh, Scotland. D. 33-36, 38-52.
Continued as **Medical journal** *q. v.*
- Medical and surgical journal.** London, England. D. 1-8.
- Medical and surgical monitor.** Indianapolis, Ind. I. U. 7+: S. N. 8-10.
- Medical and surgical reporter.** Burlington, N. J.; Philadelphia, Pa. D.
24*, 27*, 39*, 45*, 46*, 47, 57*, 58*, 62*: P. 50-53*.
- Medical brief.** St. Louis, Mo. D. 4*, 5-12, 13*, 14-19, 20*, 21*: P. 14-24*.
- Medical gazette.** New York. D. 8*, 9*, 10*.
- Medical gleaner.** St. Louis, Mo. D. 1.
- Medical investigator.** Bloomington, Ind. I. U. 1.
- Medical journal.** Edinburgh, Scotland. D. 1, 2*, 3, 5, 7, 8*, 9, 10, 11*, 12*.

- Medical** monitor. See **Central** states.
- Medical** news. Philadelphia, Pa. D. 31-35, 36*: I. U. 52-55: N. D. 27-30: N. H. 30*, 31*, 32*, 37*-39.
Vols. 1-37 were called **Medical** news and library; vols. 38-39 **Medical** news and abstract.
- Medical** news and library supplement. Philadelphia, Pa. D. 379-383.
- Medical** record. New York. Exp. 77+: I. U. 24, 25, 29-36, 43-56: M. 13-41.
- Medical** review of reviews. New York. Exp. 15, 16: P. 7-12*.
- Medical** science. See **Journal** of Medical science; also **Monthly** journal of medical science; also **Quarterly** journal of medical science.
- Medical** standard. Chicago, Ill. P. 17, 18*.
- Medical** world. New York; Philadelphia, Pa. D. 1*, 3*-6*, 7, 8, 9*: P. 8, 11, 13, 14*.
- Mennonitische** Rundschau. Scottsdale, Pa. Exp. 33*, 34*, 35*, 36*+.
- Merck's** bulletin. New York; London, England. P. 2-4*.
- Merck's** annual report on medical preparations. New York. N. D. 10+: P. 4, 6+.
- Meriden** (Conn.) scientific association.
Transactions. Ac. 1-6.
- Messenger** of mathematics. London; Cambridge, England. D. 1-22: I. U. n. s. 1-23: R. P. 1+: S. N. 26-36.
Continues **Oxford**, Cambridge and Dublin messenger of mathematics *q. v.*
- Metal** industry. New York. Ft. W. 2+.
- Metallographist**. Boston, Mass. See **Iron** and steel magazine.
- Metallurgical** and chemical engineering. New York. D. 2+: E. 7+: G. 7+: I. U. 1+: N. D. 3+: P. 1+: R. P. 1+*.
Vols. 1 and 2 have title **Electrochemical** industry and vols. 3-7 have title **Electrochemical** and metallurgical industry.
- Mexico**. Secretaria de fomento, colonizacion e industria de la Republica Mexicana. Mexico City.
Boletin del instituto geologico. Ac. 10-15.
- Mexico** City (Mexico). See **Museo** nacional.
- Mexico** (City) instituto medico nacional.
Anales. Ac. 11¹⁻³, 12^{1, 2}.
- Mexico**. Estacion agricola experimental de Ciudad Juarez.
Bulletin. Exp. 1+.
- Mexico** rubber planters' association.
Yearbook. Exp. '07, '08.
- Meyer** brothers' druggist. St. Louis, Mo. N. D. 23*-33*: P. 12, 15, 17, 18, 22, 28+.

- Michigan** academy of science. Lansing.
 Bulletin. P. 1-3*.
 Report. I. U. 7+: N. D. 1+: P. 1+: S. L. '94-'00, '02+.
- Michigan** agricultural college. Zoology and physiology, Department of.
 Special bulletin. N. D. '12+.
- Michigan.** Agricultural experiment station. East Lansing.
 Annual report. Exp. 1-5, 8+.
 Bulletin. D. 45, 76, 125, 146-147, 218, 222-224, 232, 250-252, 258,+; Exp. 1+: N. D. 260, 267+: P. 1-144, 146+.
 Elementary science bulletins. Exp. 1+: P. 1, 2, 4+.
 Special bulletins. D. 7, 29, 32, 44, 54, 59+: Exp. 2. 4-5, 7+: P. 1+.
 Technical bulletins. D. 5-7, 11+: Exp. 1+: P. 1+.
- Michigan.** Agriculture, State board of. Lansing.
 Annual report. D. 15-17, 25, 26, 28-30, 35-37, 39, 49+: Exp. 3-7, 9-11, 14-20, 23-31, 33+: P. 6, 7, 10-14, 17-19, 23, 25-37, 39+: R. P. 25, 26, 28-30.
 Biennial report. Exp. 1.
 Continues **Michigan** (state) agricultural society *q. r.*
- Michigan** (state) agricultural society. Lansing.
 Transactions. Exp. 1, 3-8, 11: P. '50, '52, '58, '59: S. L. '52, '57.
 Continued by **Michigan.** Agriculture, State board of. *q. r.*
- Michigan** (state) association of farmers' clubs. Metamora.
 Annual report. Exp. '05-'12.
- Michigan.** Dairy and food commissioner.
 Report. P. '03, '05+.
- Michigan** dairy farmer. Detroit. Exp. 2*, 3, 4*, 5+.
- Michigan** dairymen's association.
 Annual report. Exp. 7-9, 12: P. 15.
- Michigan** fish commission. Lansing.
 Bulletin. Exp. 2.
- Michigan** engineering society.
 Michigan engineer. P. 1-2, 4-5, 11-29: R. P. '94-'96.
- Michigan.** Forestry commission.
 Report. Exp. '88: P. 1+*.
- Michigan.** Geological survey. Lansing.
 Report. E. '01, '03-'06: N. D. '06: N. H. 1: S. N. '07.
- Michigan.** Health, State board of. Lansing.
 Annual report. Exp. 4, 13-18, 20-22, 24-28: P. 1-33, 35+: R. P. '85.

Michigan (state) horticultural society. Lansing.

Annual report. D. 10-21; Exp. 10-16, 18-21, 36-41; P. 10-18, 40+; S. L. 10+.

Prior to 1880 known as the **Michigan** (state) pomological society *q. v.* The volume numbers of the reports are continuous.

Michigan. Live stock sanitary commission. Stanton.

Biennial report. Exp. 2-13.

Michigan (state) pomological society. Lansing.

Annual report. D. 3, 5-9; Exp. 3-9; P. 2, 6, 8, 9; S. L. 1-9.

In 1880 the society took the name of the **Michigan** (state) horticultural society *q. v.*

Michigan medical news. Detroit. D. 1*, 2*, 3*, 4, 5*.

Continued in **Medical age** *q. v.*

Michigan university. Clinical society.

Transactions. I. U. 1+.

Michigan university. Engineering society.

Technic. P. 2, 3, 5, 7-22.

Michigan university. Museum of natural history. Ann Arbor.

Report. S. L. '12.

Michigan university. Botany, Department of.

Bulletin. N. D. n. s. 7*.

Michigan (state) veterinarian. Lansing.

Biennial report. Exp. 6.

Microscope, The. Washington, D. C. N. D. 6*, 7, 8*-10*, 11, 12*; n. s. 1*, 2*, 3, 4*.

Microscopical bulletin and science news. Philadelphia, Pa. Ac. 6³⁻⁶, 7¹, 14², 15², 17⁴, 18¹⁻²; N. D. 2*-8*, 9, 10, 11*, 1*, 24*.

Milchwirtschaftliches Zentralblatt. Leipzig, Germany. Exp. 6, 7, 41+.

Milch Zeitung. Leipzig, Germany. Exp. 18, 39, 40.

Milwaukee (Wis.). Public museum.

Reports. Ac. '98+.

Mind. London, England. B. n. s. 10+; I. U. o. s. 1-16; n. s. 1+; P. n. s. 17+; S. N. 1+; W. 5-18.

Mind and body. Milwaukee, Wis. G. 17+; I. U. 1-16, 18+; S. N. 1-13, 15+.

Mineral industry. New York. I. U. 1-6; P. 9-15; W. 12.

Mining and engineering world. New York. Ft. W. 38+.

Minnesota academy of natural sciences. Minneapolis.

Bulletins. Ac. 2¹⁻⁵, 3³; P. 3*.

Minnesota. Agricultural experiment station. St. Paul.

Annual report. D. 12: Exp. '93+: P. '88, '94-'96, '98+.

Biennial report. Exp. '88-'92.

Bulletin. D. 39, 46, 51, 89-91: Exp. 1+: P. 1+.

Minnesota (state) agricultural society. Hamlin.

Annual report. Exp. '00-'07, '09, '10.

Minnesota and Dakota farmer. Brookings, S. D. Exp. 3*, 4, 5*.

Minnesota dairymen's association.

Annual report. Exp. '93, '01: P. 03, '04.

Minnesota (state) entomologist.

Minnesota insect life. P. 1+.

Minnesota. Fire warden, Chief.

Annual report. S. N. '99, '00, '02.

Minnesota (state) food and dairy commission. St. Anthony Park.

Biennial report. Exp. 5, 7.

Minnesota. Forestry commissioner.

Report. P. 1-2, 4-8, 11, 12, 14, 16.

Minnesota. Geological and natural history survey.

Minnesota botanical studies. Exp. 1+: N. D. 1+: P. 1+.

Minnesota plant studies. Exp. 1-4: N. D. 1+: P. 1+.

Report. E. 1-5: N. D. 1, 3, 5, 8+: N. H. 4, 5, 8, 11: P. 1-4.

Minnesota. Health, State board of.

Annual report. P. '74, '75, '78-'86.

Minnesota (state) horticultural society. St. Paul.

Report or Transactions. D. '66-'73, '82-'85, '87-'89, '92-'94: Exp. '84
'86-'89, '92, '95-'01: S. L. '92, '94, '95.

Minnesota northeast experiment farm.

Report. Exp. '06.

Minnesota. Stallion registration board. St. Anthony Park.

Bulletin. Exp. 1-3: P. 1+.

Minnesota university. Minneapolis.

Minnesota botanical studies. Exp. 1+: N. D. 4+: S. N. 1, 2.

Minnesota university. Society of engineers.

Yearbook. P. 1, 4, 5, 8-17.

Minnesota university. Sea side station.

Postelsia. D. 1: I. U. 1, 2: P. 1, 2.

- Minnesota.** Waterways commission.
Reports. P. 1+.
- Miramichi** (New Brunswick) natural history society.
Proceedings. N. D. 4, 6+.
- Mississippi.** Agricultural experiment station. Agricultural college.
Annual report. D. 12, 13; Exp. 1+: P. 1-8, 10, 13, 15+.
Bulletin. D. 50, 66, 73, 76, 79-80, 83; Exp. 1-37, 39-45, 47, 49-84, 86-96
98-152, 15 +; P. 1+: S. L. '09-'10*.
Technical bulletins. Exp. 1, 2; P. 1+.
- Mississippi.** Geological survey.
Bulletin. P. 8.
- Mississippi river power company.**
Bulletin. N. D. 1-7.
- Mississippi valley horticultural society.**
Transactions. D. 1, 2; P. 1, 2.
See **American horticultural society.**
See **American horticultural society.**
- Missouri.** Agricultural experiment station. Columbia.
Annual report. Exp. '88, '96-'04, '10+; P. '96-'99, '01-'03.
Bulletin. D. o. s. 6; Exp. o. s. 1-8, 10-12, 14, 19, 21-24, 29-35; n. s. 1+
P. o. s. 4, 5, 24-35; n. s. 1+: S. L. '99-'11.
Research bulletin. Exp. 1+: P. 1+.
- Missouri agricultural farmer.** Columbia. Exp. 5*, 6, 7*, 8, 9*, 10+.
- Missouri.** Agriculture, State board of. Crescent.
Annual report. Exp. 16-20; R. P. '89-'90; P. 13, 15, 20, 35-41, 43+.
- Missouri botanical garden.** St. Louis.
Reports D. 5-8, 10+; E. 1-12, 14; Exp. 2+; G. 1-11; I. U. 1-21, 23+;
N. D. 1+; S. L. 1+.
- Missouri (state) corn growers' association.**
Annual report. Exp. '11.
- Missouri farmer and breeder.** Columbia. Exp. 2*, 3*.
- Missouri.** Food and drug inspection, Department of.
Bulletin. P. 3.
Report. P. '09-'10.
- Missouri (state) fruit experiment station.** Mountain Grove.
Biennial report. P. '03+.
Bulletin. Exp. 1-5, 7-8, 10+; P. 1, 5-21.
- Missouri.** Geological survey (organized 1853). Jefferson City.
Annual report. N. D. 1+; N. H. 1, 2; S. N. 10.

- Missouri.** Geology and mines, Bureau of.
Biennial reports to the general assembly. P. '01-'08.
Report. E II. 1-10; P. I. 3; II. 1+.
- Missouri.** Horticulture, State board of.
Annual report. Exp. 1-5; N. D. 1+; P. 1-3; S. L. '07, '09, '10.
- Missouri** (state) horticultural society.
Proceedings. Exp. 68-72.
Report. D. '83, '87, '90, '91, '95-'97; Exp. '80, '81 '83-'88, '89, '91, '93, '95, '97-'01, '06-'11; P. '80, '81, '83-'87, '92, '95, '99, '01-'06; S. L. '86, '94, '03, '04.
- Missouri** pharmaceutical association. St. Louis.
Proceedings. N. D. 10-'11.
- Missouri** university. Columbia.
Bulletin. Medical series. S. L. 1+.
Science series. N. D. 1+; P. 2+; S. L. 1*, 2*.
Studies. P. 1, 2; R. P. 1, 2.
Social science series. R. P. 1.
Science series. I. U. 1+; P. 1+.
- Mittheilungen** über düngungsversuche. Berlin, Germany. Exp. 1, 2.
- Modern** electric. Detroit, Mich. G. 5+.
- Modern** medicine. N. D. 2*.
- Modern** miller. St. Louis, Mo. Exp. 34*, 35*, 36+.
- Molkerei** Zeitung. Berlin, Germany. Exp. 20, 21*, 22+.
- Molkerei** Zeitung. Hildesheim. Exp. 25*, 27+.
- Monatshefte** für Mathematik und Physik. Vienna, Austria. I. U. 20+.
- Monde** des plantes. Le Mans, France. N. D. II. 14+.
- Monist.** Chicago, Ill. I. U. 1+.
- Moniteur** du jardin botanique de Tiflis (Russia). N. D. 25+.
- Montana.** Agricultural experiment station. Bozeman.
Annual report. D. 10, 11; Exp. 1+; N. D. 19; P. 1+; S. L. '02-'04, '06-'09, '11.
Bulletin. D. 52, 54, 55; Exp. 1+; P. 1+; S. L. '07+*.
- Montana** college of agriculture and mechanic arts. Bozeman.
Bulletin. N. D. 89+.
Science studies. N. D. 1; P. 1*.
- Montana** (state) entomologist. Bozeman.
Annual report. Exp. 1-9.

- Montana.** Health, State board of.
Biennial report. P. '11, '12.
Bulletin. P. '12+.
- Montana.** Horticulture, State board of. Missoula.
Biennial report. Exp. 1, 2, 4, 6; S. L. '00, '04, '06, '08.
- Montana** (state) horticultural society. Missoula.
Proceedings. Exp. 10, 12, 13.
- Montana.** Sheep commissioners, Board of.
Annual report. P. '09+.
- Montana** university. Missoula.
Bulletin biological series. P. 15.
- Montevideo** (Uruguay). See **Museo** nacional.
- Monthly** abstract of medical science. Philadelphia. D. 1*, 2, 3*, 4*, 5*: N.
H. 1, 3*, 4, 6*.
Continued in **Medical news** *q. v.*
- Monthly** evening sky map. New York. M. 4+.
- Monthly** journal of medical science. Edinburgh, Scotland. D. 8-12, 14, 15.
- Monthly** microscopical journal. London. R. P. 1-18||; W. 1-18||.
Continued as **Royal** microscopical society, Journal, *q. v.*
- Montreal** (Can.) horticultural society.
Annual report. Exp. '77-'83, '85-'87.
- Morphologisches** Jahrbuch. Leipzig, Germany. I. U. 1+.
- Motor.** New York. Ft. W. 16, 18+; G. 19+.
- Muhlenbergia.** Reno, Nev. N. D. 5+.
- Münchener** medicinische Wochenschrift. Munich, Germany. I. U. 53+.
- Munich** (Germany). See **Königlich** bayerische etc.; **Ornithologische** Gesellschaft.
- Municipal** engineering. Indianapolis, Ind. G, 36+; N. D. 12, 14; P. 2+;
R. P. 22-29, 33+.
Continues **Paving** and municipal engineering *q. v.*
- Municipal** journal and engineer. New York. Ft. W. 30, 32+; G. 34+; M.
10+; R. P. 28+.
- Museo** de la Plata. Buenos Aires, Argentine Republic.
Anales. Ac. II. 1¹, 2.
Revista. Ac. 11-17; N. D. 18+.
- Museo** de la Plata. La Plata, Argentine Republic.
Anales. Seccion paleontologica. Ac. 5.
Seccion botanica. Ac. 1.

- Museo nacional.** Buenos Aires, Argentine Republic.
 Anales. Ac. III. 4+.
 Comunicaciones. Ac. 1¹⁻¹².
- Museo nacional de historia natural.** Mexico City, Mexico.
 La naturaleza. Ac. 7¹⁶⁻¹⁸; II. 1¹⁻³, 5, 6, 9, 10, 2²⁶, 11, 3¹⁻²²; III. 1¹⁻⁵. : N. D.
 III. 1:+.
- Museo nacional.** Mexico City, Mexico.
 Anales. Ac. 4¹⁻².
- Museo nacional.** Montevideo, Uruguay.
 Anales. Ac. 2, 3; II. 1³, 4³; N. D. 7+.
- Museu Goeldi de historia natural et ethnographia.** Para, Brazil.
 Boletin. Exp. 4-6; N. D. 6+: P. 4*, 5*.
- Museu nacional.** Rio Janiero, Brazil.
 Archives. Ac. 11-15.
- Museu paulista.** Sao Paulo, Brazil.
 Revista. Ac. 4-8.
- Museum news.** Brooklyn, N. Y. S. L. 3+.
- Muséum national d'histoire naturelle.** Paris, France.
 Annals. N. H. 1.
 Archives. I. U. 5.
 Bulletin. Ac. 11+.
- Museum of foreign literature, art and science.** Philadelphia, Pa. N. H.
 19-20, 22-23, 39, 47-48, 56-57, 65; W. 2, 4-7, 12, 23-24.
- Museum of natural history.** Springfield, Mass.
 Reports. Ac. '95, '96, '08, '10-'12.
- Mycologia.** Lancaster, Pa. D. 1+: Exp. 1+: I. U. 1+: S. N. 1+: W. 1-2.
- Mycologisches Centralblatt.** Jena, Germany. Exp. 1+.
- Mysore.** Agriculture, State department of. Bangalore.
 Bulletin. Exp. 1, 2.
 Entomological series. Exp. 1, 2.
 General series. Exp. 1, 2.
 Mycological series. Exp. 1.
 Report of the agricultural chemist. Exp. 2-7, 9.
- Naples (Italy).** See *Zoologische Station*.
- Napoli (Italy) Università.** Orto botanico.
 Bullettino. N. D. 1+.
- Nashville (Tenn.) journal of medicine and surgery.** N. H. 9-11, 12*.
- Nassauischer Verein für Naturkunde.** Wiesbaden, Germany.
 Jahrbucher. Ac. '99+.

- Natal** (South Africa) agricultural journal. Maritzburg. Exp. 7-9, 11-13, 14*, 15*.
- Natal** (South Africa). Agriculture, Department of. Maritzburg.
Annual report. Exp. '02, '04-'06.
- Natal** (South Africa). Entomologist.
Report. Exp. 1, 2, 5.
- National** academy of sciences. Washington, D. C.
Annual. P. '63-'66.
Biographical memoirs. I. U. 2, 3, 5+: P. 6: T. H. 2-5.
Memoirs. I. U. 2+: N. D. 8*, 10*: N. H. 6, 8: P. 1+: R. P. 10+: S. L. 2-10: S. N. 3, 10+: W. 1+.
Report. P. '63, '82+: S. N. '83-'89, '91, '94, '03, '07.
- National** association of boards of pharmacy.
Proceedings. N. D. '11: P. 5+.
- National** builder. Chicago, Ill. N. H. 44+.
- National** conservation association.
Bulletin. P. 3.
- National** conservation commission.
Bulletin. P. 4.
- National** conservation congress.
Addresses and proceedings. S. L. '09-'11.
- National** creamery buttermaker's association. Elgin, Ill.
Annual report. Exp. '00, '02.
- National** dairy union. Chicago, Ill.
Annual report. Exp. '94.
- National** druggist. St. Louis, Mo. P. 18-22, 24, 26-31, 36+.
- National** eclectic medical association. Rochester, N. Y.
Transactions. S. L. '70, '71.
- National** electric-light association. New York.
Proceedings. P. '85-'90, '91, '93+.
- National** engineer. Chicago, Ill. S. L. 14*, 15+.
- National** farmer and stockgrower. St. Louis, Mo. Exp. 21-26.
- National** fertilizer associations. Middle west soil improvement committee.
Chicago, Ill.
Bulletin. Exp. 1-5.
- National** fruit grower. St. Joseph, Mich. Exp. 10*, 14*.
- National** geographic magazine. Washington, D. C. E. 15+: Ft. W. 18*, 19+: G. 17+: I. U. 8, 10-14, 16+: M. 20+: N. D. 18+: P. 18+: S. N. 1+: T. H. 7+.

- National** hay and grain reporter. Chicago, Ill. Exp. 14*, 15+.
- National** hay association.
Annual report. Exp. 9-11.
- National** grange of the patrons of husbandry. Tippecanoe City, O.
Circulars. Exp. 1, 3-7.
Journal of proceedings. Exp. '07, '09, '10.
- National** irrigation congress.
Proceedings. S. L. '91+: S. N. 12.
- National** live stock association.
Annual report. Exp. '98+: P. 2, 5-6, 8+.
- National** live stock journal. Chicago, Ill. Exp. 3*, 5, 6*, 7, 8*, 10-12: S. L. '71-'88.
- National** museum. Melbourne, Australia.
Memoirs. Ac. 1-3.
- National** nurseryman. Rochester, N. Y. Exp. 15*, 16, 17*, 18, 19*, 20+.
- National** nut growers' association. St. Louis, Mo.
Proceedings. Exp. 2, 3, 5, 6, 8.
- National** poultry organization society. London, England.
Quarterly journal. Exp. 4*, 5*, 6*, 7+.
- National** stockman and farmer. Pittsburg, Pa. Exp. 18-20, 32*, 33+.
- Naturae** novitates. Berlin, Germany. N. D. 27*, 29*, 32*, 34+.
- Natural** history society of Glasgow (Scotland).
Transactions. Ac. 5², 3, 6¹, 2, 7³, 8².
- Natural** history society of New Brunswick. St. Johns, New Brunswick.
Bulletin. Ac. 4⁵, 5¹, 5, 6¹⁻³: N. D. 6+.
- Natural** science. London and New York. D. 1: I. U. 1-15||: S. N. 1-15||.
- Naturalist**. London, England. N. D. '96-'98, '00.
- Naturaliste** canadien. Quebec, Canada. Ac. 24⁶⁻⁹, 12, 25-28, 29¹⁻³, 5-12, 30, 31, 32¹⁻³, 8-10, 12, 33-35, 36¹, 2, 4-11, 37, 38¹⁻⁴, 6, 4-12, 39¹⁻⁹: N. D. 7, 9, 10-13, 15-17, 20, 21, 23, 24, 26, 36+.
- Nature**. London and New York. B. 13-46, 48+: D. 37+: Exp. 39, 40*, 41, 86+: F. 50-58: I. U. 1+: N. D. 53-71: N. H. 1-50: P. 1+: R. P. 1+: S. N. 1+: T. H. 1+: W. 1+.
- Nature**. Paris, France. R. P. 1+.
- Nature** notes. London, England. N. D. 8.
- Nature** study review. New York. F. 6+: G. 1+: N. D. 5+: P. 4+: S. N. 1+: W. 1+.
- Naturen**. Bergen, Norway. N. D. 37+.

- Naturforschende Gesellschaft.** Basel, Switzerland.
Verhandlungen. Ac. 8³, 9^{1, 3}, 10^{1, 3}, 11-19, 20¹⁻³, 21, 22.
- Naturforschende Gesellschaft.** Bern, Switzerland.
Mittheilungen. Ac. 1073, 1769.
- Naturforschende Gesellschaft.** Luzern, Switzerland.
Mittheilungen. I. U. 1, 2.
- Naturforschende Gesellschaft in Zurich** (Switzerland).
Vierteljahrschrift. Ac. 43¹⁻⁴, 44^{1, 2}, 45+: N. D. 57+.
- Naturforschender Verein in Brunn** (Austria).
Verhandlungen. N. D. 4†.
- Naturfreund.** St. Petersburg, Russia. N. D. '12+.
- Naturhistorische Gesellschaft zu Hannover** (Germany).
Jahresbericht. Ac. 44-59.
- Naturwissenschaftlich medizinischer Verein in Innsbruck** (Austria).
Berichte. Ac. 14, 15, 17, 18, 27-33.
- Naturwissenschaftlicher Verein zu Bremen** (Germany).
Abhandlungen. Ac. 14³, 15^{2, 3}, 16¹⁻³, 17^{1, 2}, 18^{1, 2}, 19³, 20^{1, 2}, 21+: N. D. 21+.
- Naturwissenschaftlicher Verein.** Frankfort-on-the-Oder, Germany.
Helios. N. D. '13+.
- Naturwissenschaftlicher Verein in Hamburg** (Germany).
Abhandlungen. Ac. 19³⁻⁵.
Verhandlungen. Ac. III. 10-18.
- Naturwissenschaftlicher Verein für Schwaben und Neuburg.** Augsburg, Germany.
Berichte. Ac. 33-40.
- Natürkundig** Tijdschrift. See **Koninklyke natuurkundige Vereeniging in Nederlandseh-Indie.**
- Nautilus.** Boston, Mass. N. D. 15+.
- Nebraska.** Agricultural experiment station. Lincoln.
Annual report. Exp. 1+: N. D. 26+: R. P. 16, 19, 21, 23: S. L. '91+*.
Bulletin. D. 19, Exp. 1, 2, 4-45 46*, 47-132, 134+: N. D. 123-130, 135+:
R. P. 38+: S. L. '91+*.
Research bulletin. D. 1: Exp. 1: N. D. 1+: P. 3.
- Nebraska.** Agriculture, State board of. Lincoln.
Annual report. Exp. '83-'91, '93-'03, '05-'10.
- Nebraska dairymen's association.**
Annual report. Exp. 11, 15, 17-25.

† Contains Gregor Mendel's original paper on plant hybrids.

Nebraska farmer. Lincoln. Exp. 42*, 43*, 44*, 45+.

Nebraska. Farmers' institute convention. Lincoln.

Annual report. Exp. '06, '09.

Nebraska (state) horticultural society. Lincoln.

Annual report. Exp. '85, '86, '89-'93, '95, '97, '00+: F. '72: P. '11+: S. L. '89, '90, '92-'98.

Nebraska horticulture. Lincoln. Exp. 1*, 2*, 3+.

Nebraska university. Lincoln.

Studies. I. U. 3, 4: N. D. 8, 10, 11+: P. 1-4*: R. P. 2+.

Neues Jahrbuch für Mineralogie, Geologie, und Palaeontologie. Stuttgart, Germany. I. U. 9+.

Beilage. I. U. 6-32.

Neurologisches Centralblatt. Leipzig, Germany. I. U. 1+.

Nevada. Agricultural experiment station. Reno.

Annual report. Exp. 1+: P. 4, 5, 14, 16+.

Bulletin. D. 28, 35: Exp. 1+: P. 1-11, 13+: S. L. '08*, '09*.

Nevada. Health, State board of.

Biennial report. P. '03+.

Nevada public service commission. Carson City.

Report. N. D. 2+.

Nevada railroad commission. Carson City.

Report. N. D. 5+.

Nevada university. Reno.

Studies. I. U. 1+: P. 1+.

New Albany (Ind). medical herald. P. 15, 16*.

New England association of chemistry teachers.

Annual report. Exp. 28.

New England farmer. Boston. S. L. 1-14.

New England zoological club. Cambridge, Mass.

Proceedings. Ac. 1¹⁻³⁷. 59-64.

New Hampshire. Agricultural experiment station. Durham.

Annual report. Exp. 1-4, 6+: P. 2+.

Bulletin. D. 23: Exp. 1+: N. D. '13+: P. 1+: S. L. '10+.

Nature leaf study. Exp. 1-4.

Scientific contributions. Exp. 1+: N. D. 5+: P. 1+.

Technical bulletin. Exp. 1+: P. 2-6.

New Hampshire (state) agricultural society.

Transactions. Exp. '50-'52, '55-'58: S. L. '50-'52, '57-'59.

- New Hampshire.** Agriculture, State board of. Concord.
Annual report. Exp. 5, 7, 9-16: P. 2, 5-18, 21+.
- New Hampshire.** Forestry commission.
Report. P. '85, '99, '01-'04, '09+.
- New Hampshire** forests, Society for the protection of.
Report. P. 7, 8.
- New Hampshire.** Health, State board of. Concord.
Annual report. P. '84, '85, '87-'06.
Sanitary bulletins. Exp. 5*.
- New Hampshire** horticultural society. Durham.
Annual report. Exp. '07, '08: P. '07+.
- New Jersey.** Agricultural experiment station. New Brunswick.
Annual report. Exp. 1-29, 31+: P. 1+.
Bulletin. Exp. 2-244, 246+: P. 11, 14, 19, 20, 22-24, 26, 27, 29-36, 38+:
S. L. '98-'02*.
Reports of the soil chemist and bacteriologist. Exp. '92, '06-'09.
Special bulletin. Exp. A-R, T: P. A, C, E, G, I-T.
- New Jersey.** Agriculture, State board of. Trenton.
Annual report. Exp. 6, 15.
- New Jersey.** Forest Park reservation commission.
Report. P. 1+.
- New Jersey.** Geological survey.
Annual report. E. '84-'90, '92-'09, '11+: N. D. '84-'90, '93+: N. H.
1, 2: R. P. '69-'71, '75, '77-'82, '85-'90: S. N. '88-'95.
Bulletin. N. D. 3+: R. P. 2+.
Final report of the state geologist. E. 2-4: N. D. 5, 7+.
Water supply report. N. D. '94.
- New Jersey.** Health, State board of. Trenton.
Annual report. Exp. 22-35: P. 11, 20+.
- New Jersey** (state) horticultural society. Riverton.
Report. Exp. 12-14, 19, 32-36: P. 27-29.
- New Jersey** (state) live stock commission. New Brunswick.
Annual report. Exp. 1, 2.
- New London** Mechanics' register and magazine of science and the useful arts.
London, England. N. H. 1, 2.
- New Mexico.** Agricultural experiment station, Mesilla Park.
Annual report. Exp. 1+: P. 1+.
Bulletin. Exp. 1+: N. D. 3, 13, 29, 30, 44, 56, 59+: P. 1+.

New Mexico university. Albuquerque.

Bulletin. Biological series. Ac. 3^{12, 13}, 4¹.

Catalogue series. Ac. 16-18, 20.

Educational series. Ac. 1^{3, 4}.

Geological series. Ac. 3¹.

Language series. Ac. 1^{1, 2}.

Physics series. P. 1^{*}.

New Orleans (La.). Sewerage and water board.

Report. P. 15+.

New phytologist. London, England. Exp. 10+: I. U. 4-8, 10+.

New preparations. Detroit, Mich. D. 1^{*}, 3.

Continued as *Therapeutic gazette q. v.*

New remedies. New York. D. 5, 6^{*}; P. 7-12||; R. P. 1, 2.

Continued as *American druggist and pharmaceutical record q. v.*

New South Wales agricultural gazette. N. D. 24+: P. 16+.

New South Wales. Agriculture, Department of. Sydney.

Bulletin. Exp. 1-4.

Farmers bulletin. Exp. 4-6, 11-13, 15-17, 19, 20, 27-31, 33, 35, 36, 38-40, 43, 45-47, 59, 62+.

Science bulletin. Exp. 1-6, 8; N. D. 7.

New South Wales. Agriculture and forests, Department of. Sydney.

Annual report. Exp. '94, '95, '98, '00, '07.

New South Wales. Botanic gardens and government domains. Sydney.

Annual report. Exp. '07-'11.

New South Wales. Geological survey.

Mineral resources. S. L. 6+.

New South Wales. Mines and agriculture, Department of. Sydney.

Annual report. Exp. '95.

New York City. See *American institute*; *Central Park managerie*.

New York (city) academy of medicine.

Transactions. P. II. 3-10.

New York (city) academy of sciences. New York.

Annals. Ac. 3^{9, 10}, 4^{1-8, 10-12}, 5-9, 10¹⁻¹², 11, 13¹⁻³, 14¹⁻⁴, 15¹⁻³, 17+.

Transactions. Ac. 2¹⁻⁸, 3, 4, 5¹⁻⁸, 6-8, 9¹⁻⁸, 10¹⁻⁶, 11³⁻⁵.

New York (state). Agricultural experiment station. Geneva.

Annual report. Exp. 1+: N. D. 1, 2, 3; P. 1+.

Bulletin. D. n. s. 86, 94, 100, 101, 119, 120, 122-125, 130, 131, 133, 136, 138-140, 143, 144, 159, 161-164, 167, 170, 172; Exp. 1+: P. 1+.

- Meteorological observatory. Exp. '71-'80, '89, '90, '92*, '93*, '95*, '97*, '04*, '05, '06, '07*, '08*, '09, '10, '11, '12*+.
- Technical bulletin. Exp. 1+: P. 1+.
- New York** (state). Agricultural experiment station (Cornell). Ithaca.
Annual report. Exp. 1-10, 12+: P. 1-5, 7-15, 16+.
Continued in *Medical news* *q. v.*
- Bulletin. D. 142, 148, 155, 157, 163, 164, 168, 170, 172, 176, 180, 185-187, 190, 192, 193, 207, 208, 219, 227, 233, 234, 239, 240, 249-251, 254, 255: Exp. 1-318, 321, 323, 326+: N. D. 94, 227: P. 1+.
- Cornell rural school. Exp. 1*, 2+.
- Memoirs. P. 1+.
- New York** (state) agricultural society. Albany.
Transactions. D. 9, 27: Exp. 8-13, 15-34, 43-46, 51-52: P. 10, 14, 25-27, 29, 30, 32-34, 57-59.
- New York** (state). Agriculture, Department of. Albany.
Annual report of the commissioner. Exp. 2*, 3-10, 15-19: N. D. '11: P. 5-7, 9, 11, 12, 15+.
- Bulletin. Exp. 1, 2, 6, 9, 12, 14, 18, 21-29: P. 8, 9, 12-14, 16-18, 20-27, 29-35, 37-39, 41, 45+.
- New York** (state). Barge canal. See **New York** (state). Consulting engineers, Advisory board of.
- New York** (city) botanical garden. New York.
Bulletin. Ac. 7+: Exp. 1+: N. D. 21.
Contributions. P. 90, 95.
Journal. Exp. 1*, 2*, 3*: P. 3*.
Memoirs. I. U. 4.
- New York** (state) college of agriculture. Ithaca.
Bulletin. N. D. 2, 12, 29, 37, 41, 42, 226, 229, 307.
- New York** (state). Consulting engineers, Advisory board of.
Bulletin. R. P. 1+.
Report on barge canal. P. 1, 3+: R. P. '07.
- New York** (state). Dairy commission. Albany.
Annual report. Exp. 4, 6-8: P. 7, 9.
- New York** (state) dairymen's association.
Annual report. Exp. 6, 9, 11, 13, 30-34.
- New York** eclectic medical and surgical journal. New York. D. 5*, 6, 7, 8*.
- New York** (state) engineer and surveyor.
Annual report. P. '00-'04: R. P. '03, '05+.

- New York** (city) entomological society. New York.
Journal. Ac. 8¹, 3, 4, 9¹⁻⁴, 10¹⁻².
- New York** (state) entomologist.
Report. Exp. 1, 2, 4-26: P. 1-2, 4-13, 15-26.
- New York** (state) farmers. New York.
Proceedings. Exp. '82-'13: S. L. '93+.
- New York** (state) farmers' institute. Albany.
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- New York** (state). Forest commission. Albany.
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- New York**. Forest, fish, and game commission. Albany.
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Bulletin. P. 2, 3, 5.
- New York**. Forest preserve board.
Annual report. N. H. 4.
- New York** (state) fruit growers' association.
Annual report. Exp. 4-6, 8-10, 12+.
- New York** (state). Geological survey.
Annual report. P. 4-6, 9: R. P. '83.
- New York** (city). Health department. Research laboratory.
Annual. P. '02+.
Collected studies. I. U. 1+.
- New York** (state). Health, Board of.
Annual report. P. '80-'05, '07+: R. P. '90.
Monthly bulletin. P. '07+.
- New York** (city) mathematical society. New York.
Bulletin. D. 1-3||: I. U. 1-3||: P. 1-3||.
Continued as **American** mathematical society *q. v.*
- New York** medical journal. New York. D. 12, 13, 14*, 15*, 16*, 17, 18*,
19-25: I. U. 78: P. 51-63, 74, 79-86*: T. H. 41-54, 67-70, 90+.
- New York** (city) microscopical society. New York.
Journal. Ac. 1¹, 4-9, 2¹, 4-7, 9, 9R, 3, 4¹⁻⁴, 5¹⁻⁵, 6²⁻⁴, 7¹, 2, 4.
- New York** state museum. Albany, N. Y.
Annual report. Exp. '94, '95*, '96, '97*, '98: I. U. 22, 23, 39, 41, 45-62:
P. 20, 27-28, 41-43, 49*+: R. P. 13, 15-31.

Bulletin. D. 38, 47, 54, 67, 68, 70, 75, 86, 94, 105, 116, 429, 450: Exp. 5, 13, 20, 23, 26, 27, 31, 36, 37, 46, 47, 53, 59, 64, 72, 74, 76, 79, 86, 97, 103, 104, 109, 110, 124, 129, 134, 136, 141, 147, 155, 156: I. U. 44, 69, 80, 85: N. D. 158, 450, 470, 492, 493, 495, 496, 514+: P. 40, 49-62, 64+.

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New York produce review and American creamery. New York. Exp. 23*, 29*, 30*, 31*, 34+.

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Report. P. '07+: R. P. '08+.

New York (state). Public service commission—Second district. Albany.

Report. N. D. 6+: P. '07+.

New York railroad club.

Proceedings. P. '88+*: R. P. 11, 12.

New York (state) science teachers' association.

Proceedings. S. N. '07+.

New York state reservation commission of Niagara. Albany, N. Y.

Report. N. D. 1-14, 17, 20+.

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New York (state) veterinary college. Ithaca.

Abstracts of work done in laboratory. P. 1+.

Report. Exp. '08-'11.

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Annual report. R. P. '93-'96.

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Annual report. P. 4+.

Contract drawings and specifications. R. P. 1+.

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Annual report. Exp. 2-4, 7+: P. 13+.

Bulletin. Exp. n. s. 1-6, 8, 9, 11-15, 17, 20, 21, 23+.

Journal. Exp. 1+.

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Bulletin. Exp. 13, 14, 20, 22, 23.

New Zealand. Biology and horticulture, Division of.

Annual report. Exp. 12-17: P. '02-'09.

Bulletin. Exp. 3-19.

Technical papers. Exp. 1.

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Annual report. Exp. 4, 5, 8, 10.

- New Zealand.** Chemistry, Division of.
 Annual report. Exp. '03, '05, '07, '09.
 Bulletin. Exp. 1, 2.
- New Zealand.** Dairying, Division of.
 Annual report. Exp. '94, '95, '04, '05.
 Bulletin. Exp. 7-14.
- New Zealand.** Live stock and meat, Division of.
 Annual report. Exp. '10.
- New Zealand.** Poultry, Division of.
 Annual report. Exp. '06.
- New Zealand.** Veterinary science, Division of.
 Bulletin. Exp. 8, 12, 13, 15.
- New Zealand** dairyman farmers' union. Wellington.
 Journal. Exp. 13*.
- New Zealand** experimental station. Wellington.
 Annual report. Exp. '05, '08, '09.
- Niles** national register. Washington, D. C. N. H. V. 4-11.
- Norske** videnskabers selskab. See **Kongelige norske**, etc.
- North American** notes and queries. Quebec, Canada. Ac. 1¹ 2.
- North Carolina.** Agricultural experiment station. West Raleigh.
 Annual report. Exp. 2+: P. 2-6, 7, 9+: R. P. 16-19, 23, 26-29.
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 57+: P. 57+: R. P. 23-31, 93-194.
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 38, 42-46, 51+.
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- North Carolina.** Agriculture, State board of. Raleigh.
 Bulletin. Exp. 21*, 22, 23*, 24*, 25*, 26*, 27*, 28*, 29*, 30-32, 33*, 34+:
 P. 23+.
- North Carolina.** Crop pest commission. Raleigh.
 Circular. Exp. 10, 11, 18, 19, 22, 23, 25, 26.
- North Carolina** farmers' institute. Raleigh.
 Annual report. Exp. '05-'07, '09, '11, '12.
- North Carolina.** Geological and natural history survey.
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- North Carolina.** Health, State board of. Raleigh.
 Bulletin. Exp. 2*, 3*, 4*, 16*.

- North Carolina** student farmer. West Raleigh. Exp. 1*, 2*.
- North Dakota.** Agricultural experiment station. Fargo.
 Annual report. Exp. 1+: P. 1-9, 11+.
 Biennial report. Exp. 7+.
 Bulletin. D. 52: Exp. 1+: N. D. 87-89, 91, 94+: P. 1+.
 Reports Dickinson sub-experiment station. Exp. 1+.
 Reports Williston sub-experiment station. Exp. 1+.
- North Dakota.** Agriculture and labor, Commissioner of. Bismarek.
 Biennial report. Exp. 5, 7: P. 10+.
 North Dakota magazine. P. 2*, 4*.
- North Dakota** better farming association.
 Bulletin. Exp. 10, 12.
- North Dakota** (state) dairymen's association.
 Annual report. Exp. 1, 16.
- North Dakota.** Geological survey.
 Biennial report. I. U. 4+: P. 2+.
- North Dakota** (state) live stock association.
 Annual report. Exp. 1-3.
- North Dakota** school of forestry.
 Bulletin. P. 1.
- North Dakota.** Stallion registration board.
 Bulletin. P. 1+.
- North Dakota** university. Fargo.
 Quarterly journal. N. D. 1, 2*, 3+: P. 1.
- North Jersey** society for the promotion of agriculture.
 Proceedings. Exp. '11, '12.
- Northwest** fruit growers' association.
 Proceedings. Exp. 7, 8.
- Northwest** horticulturist. Seattle, Wash. Exp. 20*, 21*, 22, 23, 24*, 25+.
- Northwestern** agriculturist. Minneapolis, Minn. Exp. 23*, 24*.
- Northwestern** dairyman. St. Paul, Minn. Exp. 1*, 2, 3*.
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- Nova Scotia** farmers' association.
 Proceedings. Exp. 14, 15.
- Nova Scotian** institute of natural science. Halifax.
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- Nuovo giornale botanico italiano.** Florence, Italy. N. D. '12+.

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- Nyt Tidsskrift für Mathematik. Copenhagen, Denmark. 1. U. 21+.
- Oberlin** (O.) college.
 Laboratory bulletin. Exp. 1-6, 8-10: P. 3, 11-15.
 Wilson bulletin. Ac. 14+: Exp. 4-12, 14-29: P. 14+.
- Observatory.** London, England. D. 8+: 1. U. 7, 11-14, 23+: W. 16, 19, 21, 22.
- Observer.** Portland, Conn. N. D. 2*, 3, 4*-8*.
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- Obstetric gazette.** Cincinnati, O. D. 1*, 2*, 3, 4*, 5, 6, 7*, 8, 9: P. 10-12*.
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- Ohio** (state) academy of science. Columbus.
 Annual report. Ac. '00-'06: 1. U. 5.
 Proceedings. N. D. 5*.
 Special papers. Ac. 3-13.
- Ohio** (state) agricultural college. Columbus.
 Agricultural extension bulletins. Exp. 1*, 2*: N. D. 1*, 2*+.
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- Ohio** agricultural station. Columbus.
 Bulletin. S. L. '97*+.
- Ohio.** Agricultural experiment station. Wooster.
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 90, 91, 93-109, 111-122, 124-148, 150-155, 157-215, 218-224, 226-237,
 240-248, 250+: Exp. 1-40, 42-238, 240-248, 250-252, 256+: P. 1+.
 Technical series. Exp. 1*: P. 1.
- Ohio.** Agriculture, State board of.
 Annual report. D. 33: Exp. H. 6, 9, 12-52, 54, 57, 59-61: P. 5, 6, 18, 21-29,
 31, 33-36, 55, 56, 58-63.
 Official bulletin. P. 1-3.
- Ohio** cultivator. Columbus. S. L. 1, 2, 6, 10, 11.
- Ohio.** Dairy and food commissioner. Springfield.
 Annual report. Exp. 10, 18.
- Ohio** (state) dairymen's association.
 Annual report. Exp. 7, 13.
- Ohio** engineering society.
 Proceedings. P. 4-10, 12-13, 15-22, 25-28.
 21—1019

- Ohio farmer.** Cleveland. Exp. 123, 124*, 125, 126*, 127+: S. L. 37-112.
- Ohio.** Farmers' institutes. Columbus.
Annual report. Exp. 6, 17: P. 7-17.
- Ohio** (state) forestry bureau.
Report. 2, 3, 5: I. U. 3, 4: P. 4.
- Ohio.** Geological survey.
Bulletin. P. IV. 1+: R. P. 1+.
Report. D. 1-4, 6, 7: E. 1-3, 7: N. D. 2: R. P. '69, '70, '73-'75: T. H. 1-4, 6.
Report. (Third organization.) E. 1: I. U. 1-6, 9-13, 16+.
- Ohio.** Health, State board of. Columbus.
Annual report. Exp. 22: P. '86-'88, '91-'94, '96, '99+.
- Ohio.** Highway department.
Annual report. P. '00-'10.
- Ohio** (state) horticultural society. Columbus.
Report. Exp. 23, 24, 29, 32-34: S. J. '90, '91, '94-'96.
- Ohio mechanics' institute.** Cincinnati.
Quarterly journal. P. 1-5.
- Ohio medical journal.** Columbus, O. D. 1*.
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- Ohio medical recorder.** Columbus, O. D. 1*, 2*, 3*, 4*, 5.
- Ohio naturalist.** Columbus, O. Exp. 1+: N. D. 1+.
- Ohio** (state) railroad and public utilities commission. Columbus.
Report. N. D. '12+
- Ohio society of surveyors and civil engineers.**
Annual report. R. P. '94.
- Ohio** (state) topographic survey.
Report. P. '03.
- Oil, paint and drug reporter.** New York. Exp. 64+.
- Oklahoma academy of science.** Norman.
Proceedings. Ac. '09, '10.
- Oklahoma.** Agricultural experiment station. Stillwater.
Annual report. Exp. 1+: P. 3, 6, 8+: S. L. '00-'06*.
Bulletin. Exp. 1-98, 100+: P. 1+: S. L. '09-'09*.
- Oklahoma.** Agriculture, State board of. Guthrie.
Biennial report. Exp. 1: P. 1, 2.
- Oklahoma.** Agriculture, Territorial board of. Guthrie.
Biennial report. Exp. 1, 2: P. 2.

- Oklahoma** (state) dairymen's association.
Annual report. Exp. 1, 3, 4.
- Oklahoma** farm journal. Oklahoma City. Exp. 18, 19*, 20+.
- Oklahoma** (state). Geological survey.
Bulletin. I. U. 7, 8: P. 1-2, 5+.
Circular. P. 1+.
- Oklahoma** university.
Research bulletins. N. D. 1+: P. 1+.
- Ontario.** See also **Canada** horticultural societies; **Poultry** association of Ontario;
Vegetable growers' association.
- Ontario** agricultural and experimental union. Toronto.
Annual report. Exp. 19+: P. 8-10, 19+: S. L. '04+.
- Ontario** agricultural college and experimental farm. Toronto.
Annual report. Exp. 5-13, 16-22, 24+: P. 7, 8, 10, 12, 14, 18-26, 28+:
S. L. '04+.
Bulletin. Exp. 6, 9, 11-13, 15-17, 19-21, 23-32, 36-41, 43, 48-75, 77, 80-88,
90-95, 97-105, 107-140, 142-169, 171, 172, 174-184, 186-209, 211+.
- Ontario** agricultural societies and associations of fairs and exhibitions. Toronto.
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- Ontario.** Agriculture, Department of. Toronto.
Annual report. Exp. '88-'93, '94*, '95-'04, '08, '09.
Bulletin. S. L. '96+*.
Report of fruit branch. P. '08+.
- Ontario** bee keepers' association. Toronto.
Annual report. Exp. '00, '02-'08, '11+: P. '08-'10.
- Ontario** butter and cheese association. Toronto.
Annual report. Exp. '97-'99.
- Ontario** corn growers' association. Toronto.
Annual report. Exp. 1+: P. 1+.
- Ontario** dairymen's association. Toronto.
Annual report. Exp. '92, '94, '96, '01+: P. '92+.
- Ontario** entomological society. Toronto.
Annual report. Exp. 17, 27, 28, 30+: P. 9, 12, 20, 22-24, 27-32, 37+.
- Ontario.** Farmers' institutes, Superintendent of.
Report. Exp. '91+: P. '94+.
- Ontario.** Fruit experiment station.
Annual report. Exp. 6+: P. 1+.
Report of fruit branch. Exp. 1+: P. 1+.

- Ontario** fruit growers' association. Toronto.
Annual report. Exp. 32-40, 42+: P. 14+.
- Ontario.** Horticultural societies.
Annual report. P. 1+.
- Ontario** hydro-electric power commission. Toronto.
Report. N. D. 1+.
- Ontario.** Industries, Bureau of. Toronto.
Annual report. Exp. '91+.
Bulletin. Exp. 24 30 31, 36-41, 43-45, 47-51, 53-69, 71-87, 89-93, 95,
96, 98, 100+: P. 43, 47, 48, 50-52, 54-79, 87+.
- Ontario** land surveyor's association.
Proceedings. P. 6-26.
- Ontario** live stock association. Toronto.
Report. Exp. '95, '96, '98+: P. '95, '00+.
- Ontario** municipal and railway board. Toronto.
Report. N. D. 4+.
- Ontario** natural science bulletin. N. D. 4.
- Ontario** registrar of live stock. Toronto.
Report. Exp. '01-'04.
- Ontario** sheep-breeders' and swine-breeders' association. Toronto.
Report. Exp. '91-'94: P. '90-'94.
- Ontario.** Special investigation on horse-breeding. Toronto.
Report. Exp. '06.
- Ontario** vegetable growers' association.
Annual report. P. 1+.
- Ontario** veterinary college. Toronto.
Report. Exp. '09-'11.
- Operative** miller. Chicago, Ill. Exp. 16*, 17*: P. 9-16.
- Orange Judd** farmer. Chicago, Ill. Exp. 47-49, 50*, 51, 52*, 53+: S. L. 2-43.
- Orange Judd** northwest farmstead. Minceapolis, Minn. Exp. 36*.
- Orange River Colony.** Agriculture, Department of. Bloemfontein.
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Bulletin. Exp. 8, 17, 19, 20, 23.
- Oregon** (state) agricultural college. Salem; Corvallis.
Bulletin. Exp. 67.
Extension bulletin. Exp. 1, 2, 7.
Report. Exp. '06-'08: S. L. '76-'95.

- Oregon.** Agricultural experiment station. Corvallis.
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 Bulletin. Exp. 1+: P. 2+: S. L. '09-'10.
- Oregon** agriculturist. Portland. Exp. 18*, 19*.
- Oregon** (state) conservation commission. Salem.
 Report. N. D. '12+: P. '09+.
- Oregon.** Dairy and food commission.
 Biennial report. P. '08-'10.
- Oregon.** Desert land board
 Report. P. 5.
- Oregon.** (State) engineer.
 Report. N. D. 2+: P. 2+.
- Oregon** (state) horticultural society. Portland.
 Annual report. Exp. 24, 25.
- Oregon.** Horticulture, State board of. Salem; Portland.
 Biennial report. Exp. 2, 3, 5-11: S. L. '98, '02, '04, '06.
- Oregon** (state) medical society.
 Proceedings. S. L. '77-'79, '81, '83-'85, '91.
- Oregon.** Stallion registration board.
 Annual report. P. 1+.
- Oregon** (state) university. Eugene.
 Bulletin. P. n. s. 3*: N. D. 3*, 4*, 10*.
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- Ornithologischer** Verein. Munich, Germany.
 Jahresbericht. S. L. '01, '02.
- Ornithologisches** Jahrbuch. Halle, Austria. Ac. 9, 12, 13, 15, 17, 19, 21+.
- Osterreichische** botanische Zeitschrift. Vienna, Austria. N. D. 63+.
- Ottawa** (Canada) naturalist. Ac. 1-15*: N. D. 25+.
- Oxford**, Cambridge and Dublin messenger of mathematics. Cambridge, England. D. 1-5||: I. U. 1-5||.
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- Pacific** dairy review. San Francisco, Cal. Exp. 12*, 13, 14*, 15*, 16*, 17+
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- Pacific** rural press. San Francisco, Cal. Exp. 74*, 75*, 76*, 77-80, 81*, 82+
- Page's** weekly. London, England. P. 1+.
- Paginas** ilustradas. San Jose, Costa Rica. Ac. 2, 3, 11, 12, 14, 15, 18, 30,
 34-37, 47, 50-53.
- Palermo** (Italy). See **Circolo** matematico.

- Para** (Brazil). See **Museu Goeldi**.
- Paris**. See **Académie des sciences**; **École polytechnique**; **Muséum national &c.**
- Park** and cemetery and landscape gardening. Chicago, Ill. Exp. 15*, 16, 17*, 19*, 20*. 21*, 22+.
- Pavia** (Italy) università. Instituto botanico. N. D. '09+.
- Peabody** academy of science. Salem, Mass.
Annual report. S. L. '72.
- Peabody** museum of American archaeology and ethnology. See **Harvard** university.
- Peninsula** horticultural society. Dover, Del.
Transactions. Exp. '88-'94, '96, '97, '99-'06: P. '88, '91-'94, '96, '97, '02, '03, '07+.
- Pennsylvania**. Agricultural experiment station. State College.
Annual report. Exp. '86+: P. '86-'90, '92+.
Bulletin. D. 17, 20; Exp. o. s. 1-16; n. s. 1+: P. n. s. 2+.
- Pennsylvania** (state) agricultural society.
Report of transactions. Exp. 1: S. L. 7, 9.
- Pennsylvania**. Agriculture, Department of.
Annual report. Exp. 1, 2, 4*, 5, 6, 7*, 8-17: P. 2, 3*, 4*, 5+.
Bimonthly bulletin. Exp. 1*, 2.
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Monthly bulletin. Exp. 1*, 2*, 3*, 4*, 5-7, 8*, 9+.
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- Pennsylvania**. Agriculture, State board of.
Annual report. Exp. 2-11, 15-18, 32, 34+: P. 7, 11-16.
- Pennsylvania**. Dairy and food division.
Bulletin. P. 1*, 2*, 3+.
Annual report. Exp. '05.
- Pennsylvania** dairy union. State College.
Annual report. Exp. 8, 11.
- Pennsylvania**. Factory inspector.
Annual report. Exp. '10, '11.
- Pennsylvania** farmer. Philadelphia. Exp. 31*, 32+.

- Pennsylvania.** Fisheries, Department of.
Annual report. Exp. '08-'11.
Bulletin. Exp. 8.
- Pennsylvania forestry association.**
Annual report. Exp. '01, '02, '05-'11.
- Pennsylvania (state) forestry department.**
Report. P. '01, '02, '05-'09.
- Pennsylvania.** Game commissioner.
Annual report. Exp. '09, '11.
Bulletin. Exp. 1, 2.
- Pennsylvania.** Geological survey.
Report. P. 1-3: R. P. '74-'86.
- Pennsylvania.** Health, State board of. Harrisburg.
Annual report. Exp. 4: P. '86-'01.
Bulletin. Exp. 14-31, 34, 36-39.
- Pennsylvania.** Health, Commissioner of.
Annual report. P. '05-'09.
- Pennsylvania (state) hospital for the insane.** Pathological laboratory. Norristown.
Annual report. Exp. 10.
- Pennsylvania (state) live stock breeders' association.**
Proceedings. Exp. 6, 7, 12.
- Pennsylvania.** Live stock sanitary board.
Circular. Exp. 12: P. 12, 16, 18.
- Pennsylvania.** Mines, Department of.
Annual report. Exp. '09-'11.
- Pennsylvania.** Pharmaceutical examination board.
Annual report. Exp. 23, 24: N. D. 23.
- Pennsylvania.** Public charities, Board of.
Annual report. Exp. '09-'11.
- Pennsylvania state college.** School of engineering.
Engineer. P. 2*, 3*.
- Pennsylvania.** Topographic and geologic survey commission.
Preliminary report. Exp. 5.
Report. Exp. '08-'10.
- Pennsylvania university.** Botanical laboratory. Philadelphia.
Contributions. I. U. 4+: N. D. 2+.

- Pennsylvania university.** Zoological laboratory. Philadelphia.
Contributions. I. U. 10, 11*, 13, 17: P. 1*.
- Pennsylvania.** Water supply commission.
Report. P. '08, '09.
- Periodico científico del museo nacional de historia natural y de la sociedad Mexicana de historia natural.** See **Sociedad Mexicana de historia natural.**
- Peru.** Cuerpo de ingenieros de minas. Lima.
Boletín. S. L. 1-21, 25-54, 56-59, 62-74, 76+.
- Pharmaceutical era.** Detroit, Mich. N. D. 28*-43*, 45*: P. 1-8, 13-21, 23, 25+*.
- Pharmaceutical journal and transactions.** London, England. P. 41-45.
- Pharmaceutical record.** New York. P. 5-10, 12-15||.
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- Philadelphia (Pa.).** See **Academy of natural sciences; Geographical society.**
- Philadelphia (Pa.).** Health, Bureau of.
Annual report. P. '96-'08.
- Philadelphia (Pa.) medical journal.** P. 8.
- Philadelphia (Pa.) museums.**
Annual report. N. D. '04, '05, '07, '08, '10: P. '04, '05, '07, '08, '10, '11.
- Philippine agricultural review.** Manila. Exp. 1*, 2*, 4*, 5*, 6+: N. D. 1+: P. 1+.
- Philippine Islands.** Agriculture, Bureau of.
Bulletin. Exp. 22, 23.
- Philippine Islands.** Ethnological survey.
Publications. P. 1*, 4*.
- Philippine Islands.** Forestry, Bureau of. Manila.
Annual report. Exp. '02, '04.
Bulletin. Exp. 1.
- Philippine Islands.** Laboratories, Bureau of government. Manila.
Bulletin. S. N. 1-3, 8, 15, 17-28, 30-36.
- Philippine Islands.** Science, Bureau of. Manila.
Annual report. Exp. 4, 5: N. D. 1+.
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Mineral resources. Exp. '07-'11.
- Philippine journal of science.** Manila. Exp. 1, 2, 3*, 4+: N. D., 00: P. (all ser.) 3+.
Supplements. Exp. 1-5.

- Phillips academy.** Archaeology, Department of. Andover, Mass.
Bulletin. N. D. 1+.
- Philosophical magazine and journal of science.** London, England. I. U. IV.
1-50; V. 1-50; VI. 1-8, 10+: N. D. '09; N. H. I. 34, 39, 41-43*: P.
V. 25+: R. P. V. 1-4, 14+: W. VI. 5+.
- Photo-beacon.** New York. Ft. W. 19; N. D. 7, 8, 9*, 10*, 12*, 13-19.
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- Photo era.** Boston, Mass. Ft. W. 28+: G. 29+. R. P. 6-8, 24+: T. H. 17+.
- Photographic bulletin, Anthony's.** New York. R. P. '00*.
- Photographic times.** New York. L. P. 39*, 40*: R. P. 17-42*.
- Photo-miniature.** New York. G. 81+: I. U. 1+: R. P. 1-3, 10+: T. H. 1+.
- Phrenological journal and science of health.** New York. N. D. 50, 51, 54-57:
N. H. 50-68.
- Physical review.** New York. D. 1+: E. 24+: I. U. 1+: N. D. '09+: P.
1+: R. P. 1+: S. N. 8-13: W. 19+.
- Physical society of London.**
Proceedings. I. U. 1+: P. 19+.
- Physikalische Zeitschrift.** Leipzig, Germany. N. D. '09+: R. P. 6+.
- Physiologie vegetale.** Geneva, Switzerland. Exp. 1-5.
- Physio-medical journal.** Indianapolis, Ind. M. 1.
- Phytopathology.** Ithaca, N. Y. D. 1+: I. U. 1+: W. 1+.
- Plant world.** New York, Tucson, Ariz. Ac. 6¹⁻⁸, 7², 8⁴, 13¹: Exp. 13, 14, 15*,
16+: I. U. 8+: P. 11+: W. 8-12.
- Plön (Germany) biologische Station.** Forschungsberichte. Stuttgart. I.
U. 1+.
- Plough-boy.** Albany, N. Y. S. L. 1-4.
- Plumbers' trade journal.** New York. Ft. W. 62+.
- Polytechnic engineer.** Brooklyn, N. Y. P. 10, 12.
- Pomological and fruit growing society of the province of Quebec.**
Annual report. Exp. '09.
- Pomona college journal of entomology.** Claremont, Cal. Exp. 1*, 2*, 3*,
4*: N. D. 1+.
Continues as *Journal* of entomology and zoology.
- Pontificia accademia roma dei nuovi Lineei.** Rome, Italy. See *Accademia*
pontificia dei nuovi Lineei.
- Popular astronomy.** Northfield, Minn. B. 11-14, 16, 17*+: D. 11, 12*, 20+:
E. 1+: F. 10+: I. U. 1+: N. D. 1+.
- Popular electricity.** Chicago, Ill. E. 4: Ft. W. 2+: G. 3*, 4*, 5+.

- Popular mechanics.** Chicago, Ill. F. 15+: Ft. W. 14+: G. 12+: L. P. 9+: M. 11+: N. H. 15+: S. L. 15+: T. H. 11+.
- Popular science index.** M. 1-8.
- Popular science monthly.** New York. B. 1+: D. 1+: E. 1-12, 15-19, 24-29, 31, 32, 34, 36, 37, 40, 41, 43-65, 67+: F. 1-55, 63+: Ft. W. 1, 2, 46+: G. 74+: I. U. 1+: L. P. 1+: M. 1+: N. D. 1-62, 65+: N. H. 1+: P. 1+: R. P. 1+: S. L. 1+: S. N. 1+: T. H. 1+: W. 1+.
- Supplement. N. D. 1-18.
- Popular science news.** New York. W. 21-24.
- Popular science review.** London, England. R. P. 1-13: S. L. 1-20||.
- Portefeuille économique des machines de l'outillage et du matériel.** Paris, France. R. P. 12.
- Portland society of natural history.** Portland, Me.
Proceedings. Ac. 2⁴, 5, 8-9.
- Porto Rico.** Agricultural experiment station. Mayaguez.
Annual report. D. '06-'08, '10+: Exp. '01, '04+: R. P. '06, '07: S. L. '06-'08, '10-'11.
Bulletin. D. 1, 2, 5-8, 10+: Exp. 1, 2, 4+: P. 1+: R. P. 1-8: S. L. 1-8, 10: S. N. '02+.
- Porto Rico sugar planters and producers' association.** Río Piedras.
Annual report. Exp. 2.
Bulletin. Exp. 3.
- Portugal.** Comissão dos trabalhos geologicos. Lisbon.
Communicacoes. Ac. 1-5, 6¹.
- Post graduate.** New York. P. 19-21*.
- Postelsia.** See under **Minnesota** university.
- Poultry association of Ontario.** Toronto
Report. Exp. '94, '01.
- Poultry digest.** New York. Exp. 3*, 4, 5*, 6*.
- Poultry fancier.** Chicago, Ill. Exp. 14*, 15*, 16*.
- Poultry world.** Hartford, Conn. Exp. 1-10.
- Power.** New York. Ft. W. 27+: G. 30+: N. D. 20+: P. 13, 20+: R. P. 14+: T. H. 24.
- Power boating.** Cleveland, O. Ft. W. 10+.
- Practical dairyman.** Rutherford, N. J. Exp. 2*, 3.
- Practical druggist and pharmaceutical review of reviews.** New York. P. 29.
- Practical engineer.** Chicago, Ill. Ft. W. 13+: N. H. 13+: R. P. 13-16.
- Practical farmer.** Philadelphia, Pa. Exp. 96*, 97*, 98, 99, 100*, 101-104, 105*, 106+.

- Prairie farmer.** Chicago, Ill. Exp. 79*, 80*, 83*, 84+.
- Praktische Chemie.** Leipzig, Germany. Exp. 37-40.
- Prince Edward Island.** Agriculture, Department of.
Annual report. Exp. '05, '10: P. '04.
- Prince Edward Island dairy association.**
Annual report. Exp. '11.
- Prince Edward Island.** Forestry commissioners.
Report. P. '04.
- Prince Edward Island fruit growers' association.**
Annual report. Exp. '02-'04, '06+.
- Princeton (N. J.) university.**
Contributions to philosophy. P. 1*.
Contributions to psychology. P. 1*, 2*.
- Producer and consumer.** See **Farm** sense.
- Progressive farmer and home builder.** Phoenix, Ariz. Exp. 1*, 2*, 3+.
- Progressive farmer and southern farm gazette.** Memphis, Tenn. Exp. 24*, 25*, 26*, 27+.
- Progressive medicine.** Philadelphia, Pa. I. U. 9+.
- Psyche.** Cambridge, Mass. Ac. 4*, 5*, 6*, 7*: S. N. 2-4.
- Psychological bulletin.** New York; Lancaster, Pa. E. 1+: I. U. 1+: N. D. 2+: P. 5+: S. N. 1+: W. 1+.
- Psychological clinic.** Philadelphia, Pa. G. 1+: I. U. 1+: P. 1+: S. N. 1+: W. 1-3.
- Psychological index.** New York. N. D. 5-7, 9+.
- Psychological monographs.** New York. I. U. 1+: S. N. 1+.
- Psychological review.** New York; Baltimore, Md. D. 1+: N. D. 6, 8, 12+: P. 15+: S. N. 1+: W. 5+.
- Psychologische Arbeiten.** Leipzig, Germany. I. U. 1+.
- Psychologische Studien.** Leipzig, Germany. I. U. 1+.
- Psychotherapy.** New York. I. U. 1+.
- Public service journal.** See **Stone** and Webster public service journal.
- Purdue agriculturist.** Lafayette, Ind. Exp. 4+: P. 1+.
- Purdue engineering review.** Lafayette, Ind. P. 1+.
- Purdue university.** Lafayette, Ind.
Leaflets on nature study. Exp. '98: P. 1-24||.
- Purdue university.** Agricultural extension, Department of.
Annual report. P. 1+.
Bulletins. P. 2-13, 17+.

- Pure products.** New York. Exp. 1*, 2+: P. 4+.
- Quarterly journal and review.** Cincinnati, O. N. H. 1.
- Quarterly journal of medical science.** Dublin, Ireland. D. 6-8, 16-26.
- Quarterly journal of microscopical science.** London, England. B. 22-25: D. n. s. 34-36, 38: I. U. n. s. 32-45: R. P. o. s. 1-8; n. s. 1-14.
The old series was called **Journal** of microscopical science.
- Quarterly journal of pure and applied mathematics.** London, England. D. 1-25: I. U. 1-41, 43+: R. P. 1+: W. 28.
- Quebec.** See **Dairymen's association of the province of Quebec**; **Pomological and fruit growing society of the province of Quebec.**
- Quebec.** Agricultural experiment station, Department of.
Annual report. Exp. '91.
- Quebec.** Agriculture, Minister of.
Annual report. Exp. '09.
- Quebec.** Lands and forests, Department of.
Report. P. '08, '09.
- Queensland (Australia).** Agriculture, Department of. Brisbane.
Agricultural journal. Exp. 1*, 2*, 3, 6*, 7*.
Annual report. Exp. '89-'94.
Botany bulletin. Exp. 8, 9, 11, 12.
Bulletin. Exp. I. 1-17, 20-25; II. 1-4.
- Queensland museum.** Brisbane, Australia.
Annals. Ac. 6-9: N. D. 10+.
Memoirs. N. D. 1+.
- Quekett microscopical club.** London, England.
Journal. R. P. 1-5.
- Radium.** Paris, France. I. U. 1+.
- Railroad and engineering journal.** New York. R. P. 61-68.
Continued as **American engineer and railroad journal** *q. v.*
- Railroad car journal.** New York. P. 7*, 8-11.
Vol. 11 has title **Railroad digest.**
- Railroad digest.** See **Railroad car journal.**
- Railroad gazette.** New York. Ft. W. 34*, 35, 36, 37*, 38, 40, 44||: P. 5-44||.
Combined with **Railway age** (*q. v.*) and continued as **Railway age gazette** *q. v.*
- Railway age.** Chicago, Ill. Ft. W. 40-45||: P. 22-45||.
Combined with **Railroad gazette** and continued as **Railway age gazette** *q. v.*
- Railway age gazette.** New York; Chicago, Ill. Ft. W. 48, 50+: G. 46+: P. 45+: R. P. 17+: T. H. 50+.
Continues **Railroad gazette** *q. v.*

- Railway and engineering review.** Chicago, Ill. N. D. 38-46: P. 33+.
- Railway and locomotive engineering.** New York. Ft. W. 22+: G. 25+: P. 14+: R. P. 14-16*.
Continues **Locomotive engineering** *q. v.*
- Railway machinery.** New York. P. n. s. 1*, 4-5, 6*, 7+.
- Railway master mechanic.** Chicago, Ill. P. 17*-22*, 23+.
- Railway signal association.** Bethlehem, Pa.
Journal. P. 11+.
Proceedings. P. 1+.
- Real academia de ciencias naturales y artes.** Barcelona, Spain.
Boletín. Ac. 1¹⁶⁻³⁰, 2¹, 3¹⁻¹¹, 3¹⁻³.
Memorias. Ac. 3, 4¹, 2, 6-40, 5¹⁻²⁷, 6¹⁻³³, 7¹⁻¹⁷, 8¹⁻²¹, 9¹, 10¹, 3-12+.
- Real academia de ciencias exactas, físicas y naturales.** Madrid, Spain.
Annario. Ac. '89, '08, '11-'13.
Memorias. Ac. 12, 13¹⁻³, 14, 15¹⁻³, 18¹, 20, 21², 22-25, 26¹, 2.
Revista. Ac. 1¹⁻⁸, 2²⁻⁶, 3, 4¹⁻⁶, 5¹⁻⁴, 7-12, 6+.
- Reale accademia dei Lincei.** Rome, Italy.
Atti. Rendiconti delle sedute solenni. Ac. '01+.
- Reale accademia dei Lincei.** Rome, Italy. Classe di scienze fisiche, matematiche e naturali.
Atti. Rendiconti. Ac. 9-22: I. U. V. 20+.
See also **Accademia pontificia dei nuovi Lincei**.
- Note.—“The Accademia dei Lincei, celebrated in the 17th century, was revived in 1801, but again expired in 1840. It was renewed, under the auspices of Pope Pius IX. in 1847 as Accademia pontificia dei nuovi Lincei, and up to 1870 had issued 23 vols. of Atti. Then the academy changed its name to Reale Accademia dei Lincei, but a portion continued to act under the former title. Each body continued the series of Atti. In 1875 the Reale Accademia enlarged its scope, and formed two classes, one for physical and mathematical sciences, the other for moral and historical sciences. It has published five series of Atti.” Bulletin No. 8 of the Free Library of Philadelphia.
- Reale orto botanico e Giardino.** Palermo, Italy.
Bolletino. N. D. 11+.
- Records of the past.** Washington, D. C. N. H. 5-7, 8*.
- Registered pharmacist and drug clerk's journal.** Chicago, Ill. P. 10, 11*.
- Reliable poultry journal.** Quincy, Ill. Exp. 3*. 4, 9-11, 12*, 13, 14*, 15-17, 19+: Ft. W. 14, 16+.
- Rennes (France) université.**
Travaux scientifiques. I. U. 1+.
- Repertorium novarum specierum.** Berlin, Germany. N. D. 1+.
Beihefte. N. D. 1+.

- Retrospect** of practical medicine and surgery. New York. See **Braithwaite's** retrospect.
- Review** of medicine and pharmacy. Detroit, Mich. D. 10, 11*.
- Revista** de agricultura tropical. Mexico City. Exp. 1*, 2*.
- Revista** industrial y agricola de Tucuman. Argentine Republic. Exp. 1*, 2*, 3*.
- Revista** montserratina. Barcelona, Spain. N. D. 4*, 5+.
- Revue** bretonne de botanique pure and appliquee. Rennes, France. N. D. 7+.
- Revue** de horticulture Belge et etrangere. Ghent, Belgium. N. D. '13+.
- Revue** de l'ingénieur et index technique. Brussels, Belgium. G. 1-19.
- Revue** de mathématiques spéciales. Paris, France. I. U. 20+.
- Revue** de mécanique. Paris, France. P. 16+.
- Revue** des questions scientifiques. Louvain; Paris, France. N. D. I. 1-10, 15-28; II. 1, 2, 3*, 4*, 5-11, 12*, 13, 14*, 15*, 16, 17*, 18-20; III. 1-11, 12*, 13+.
- Revue** générale dulait. Lierre, France. Exp. 8+.
- Revue** internationale der gesammte hydrobiologie und hydrographie. I. U. 1+.
- Revue** philosophique de la France et de l'étranger. Paris, France. I. U. 1-42, 49+.
- Revue** semestrielle des publications mathématiques. Amsterdam, Holland. I. U. 1-18.
- Rhode Island.** Agricultural experiment station. Kingston.
Annual report. D. 12, 13; Exp. 1+; S. L. '03, '04, '07, '09.
Bulletin. Exp. 1+; S. L. '02-'09*.
- Rhode Island.** Agriculture, State board of.
Annual report. Exp. 14-17, 21.
Bulletin. Exp. 1, 2, 7, 9-13.
Farmers' institute report. Exp. '11.
- Rhode Island.** Birds, Commissioner of.
Annual report. P. '11.
- Rhode Island.** Conservation commission.
Bulletin. P. 1+.
- Rhode Island.** Inland fisheries, Commissioners of.
Report. P. 41.
- Rhode Island.** Metropolitan park commissioners.
Report. P. 5, 6.

- Rhode Island.** Public roads, State board of.
Annual report. P. 3+.
- Rhode Island.** Public utilities commission. Providence.
Report. N. D. '12+.
- Rhode Island.** Shell fisheries, Commissioners of.
Annual report. P. '91, '92, '94, '95, '99, '00, '05+.
- Rhodora.** Boston, Mass. N. D. 11+.
- Rider and driver.** New York. Exp. 41*, 42, 43*, 44, 45*, 46+.
- Rio de Janeiro (Brazil).** See *Museu nacional*.
- Rochester (N. Y.) academy of science.**
Proceedings: Ac. 1¹, 2¹⁻⁴, 3¹⁻³, 4+; I. U. 1+.
- Rochester (England) naturalist.** N. D. 101+.
- Rose technic.** Terre Haute, Ind. R. P. 1+.
- Rothamsted experiment station.** Herts, England.
Annual report. Exp. '08-'12.
Memoirs on agricultural chemistry and physiology. Exp. 1-6.
Memoranda of origin and results of field and other experiments. Exp. '88-'90, '93, '95-'01.
Memoranda of Rothamsted experiments. Exp. '96-'05.
- Royal agricultural society of England.** London.
Journal. Exp. II. 12-15, 25; III. 2-11.
- Royal Asiatic society of Great Britain and Ireland.** London.
Journal. Ac. 21³⁻⁶, 22, 23¹⁻², 24¹, 25, 26, 30, 31; I. U. '11+.
- Royal astronomical society.** London, England.
Memoirs. I. U. 41, 47-49, 53-57, 59+.
Monthly notices. I. U. 1-69.
- Royal botanic gardens.** Edinburgh, Scotland.
Notes. Exp. '08-'12.
- Royal botanic gardens.** Kew, England.
Bulletin of miscellaneous information. Exp. '00*-'10*: N. D. '09+.
- Royal botanic society of London (England).**
Quarterly record. Ac. 3-10*.
- Royal geographical society of London.**
Geographical journal. D. 42; S. N. 1+; T. H. 1+.
Proceedings and monthly record of geography. S. N. 12-14.
- Royal geological society of Cornwall.** Penzance, England.
Transactions. Ac. 13²⁻⁸.
- Royal horticultural society of London (England).**
Journal. Exp. 26+.

- Royal institute of Great Britain.
Proceedings. N. H. 9*, 12*.
- Royal Irish academy. Dublin, Ireland.
Proceedings. N. D. 31.
- Royal Irish society.
Proceedings. I. U. II. sci. 1.
- Royal Jersey agricultural and horticultural society. St. Helier, Island of Jersey.
Annual report. Exp. '96.
- Royal microscopical society. London, England.
Journal. D. '89, '91-'95; I. U. '88-'93; P. '82+: R. P. I. 1-II. 1; W. '92-'03.
- Royal philosophical society of Glasgow (Scotland).
Proceedings. Ac. 29+.
- Royal physical society of Edinburgh (Scotland).
Proceedings. Ac. sessions 115-120, 122-124, 128.
- Royal sanitary institute. London, England.
Journal. P. 29+.
- Royal society of Canada. Montreal.
Transactions. I. U. I. '82-'94; II. '95-'06; III. 1+; P. II. 8*, 9*; III. 1.
- Royal society of Edinburgh (Scotland).
Proceedings. Ac. 21+; R. P. 11-27.
Transactions. I. U. 35*; R. P. 1+.
- Royal society of London (England).
Philosophical transactions. I. U. 1-18; II. 90+; P. 158+; R. P. 1+; S. L. 1-131, 133-180.
Proceedings. I. U. ser. A. 1+; ser B. 1+; R. P. 7+; S. L. ser A. 53, 79-83; ser B. 79-82; W. 72-75; ser A. 76-84; ser B. 76-81.
- Royal society of New South Wales. Sidney, Australia.
Journal. Ac. 19-45; I. U. 20-21.
- Royal society of Queensland. Brisbane, Australia.
Proceedings. Ac. 13-22.
- Rudder. New York. Ft. W. 17, 18*, 19+.
- Rugby school natural history society. Rugby, England.
Report. N. D. '12+.
- Rural affairs. Albany, N. Y. Exp. 1-9; P. 1-5.
- Rural life. Rochester, N. Y. Exp. 28, 29, 30*.
- Rural New Yorker. New York. Exp. '75*, '80*, '81*, '84, '86*, '87-'90, '91*, '92*, '93*, '96*, '97*, '98*, '07*, '08*, '09*, '10+: P. 63+; S. L. '64-'07.

St. Louis (Mo.) academy of science.

Transactions. Ac. 4³, 4, 5¹⁻⁴, 6¹⁻¹⁸, 7¹⁻²⁰, 8¹⁻¹⁰, 9¹⁻⁹, 10¹⁻¹¹, 11¹⁻¹¹, 12¹⁻¹⁰,
13¹⁻⁹, 14¹⁻⁸, 15¹⁻⁶, 16¹⁻⁸, 17¹. 2, 18¹⁻⁶, 19¹⁻¹¹, 20¹⁻⁷, 21¹⁻³⁺: I. U. 1*, 2,
4, 13+: N. D. 8*, 9*, 10*: N. H. 2*: P. 6*, 14*.

St. Louis (Mo.) railway club.

Proceedings. P. 1+.

St. Petersburg (Russia). See **Academie imperiale des sciences**; **Comité géologique**; **Jardin imperiale botanique.**

Sanitary engineer. New York. P. 2*, 3-16||.

Continued as **Engineering record**, building record and sanitary engineer *q. v.*

São Paulo (Brazil). Agricultura, commercio e obras publicas, Secretaria da.

Boletim. Exp. o. s. 27*, 28*, 29*; n. s. 1*-3*, 4, 5, 6*, 7-9, 10*, 11+.

São Paulo (Brazil). See **Muscu paulista**; **Sociedad scientifica.**

São Paulo (Brazil). Instituto agronomico em Campinas.

Anuario. Exp. '90, '92-'95.

Boletim. Exp. 9*, 10.

Sarawak museum. Sarawak, Borneo.

Journal. Ac. 1¹, 2: N. D. 1+.

Report. Ac. '10, '11: N. D. 9+.

Saskatchewan. Agriculture, Department of. Regina.

Annual report. Exp. '10.

School arts book. Worcester, Mass. P. 11+: S. N. 4-8, 10+.

School of mines quarterly. New York. I. U. 12+.

School of science and mathematics. Chicago, Ill. E. 9+: F. 13+: I. U. 3+:

N. D. 1, 8, 13+: P. 1+: S. N. 1+.

Schweizerische botanische Gesellschaft. Bern, Switzerland.

Berichte. Ac. 14+.

Schweizerische naturforschende Gesellschaft. Basel, Switzerland.

Verhandlungen. Ac. 75, 77, 79-81, 83, 84, 87-89, 91, 93, 94¹. 2.

Also called **Société helvétique des sciences naturelles** *q. v.*

Science. New York. D. o. s. 1-22; n. s. 1+: E. o. s. 8, 9; n. s. 8, 9, 13+:

Exp. 15+: F. 31+: Ft. W. 25+: I. U. o. s. 225; n. s. 1-34: N. D. 19+:

N. H. n. s. 30*, 34*: P. o. s. 1-23; n. s. 1+: R. P. o. s. 1-23: n. s. 1+:

S. N. 1-19; n. s. 1+: S. L. 13+: W. 5-24; n. s. 7-13, 19-22.

Science abstracts. London, England.

Physical and electrical engineering. P. 1-5||; R. P. 4-5||; I. U. 1-5||.

Section A, physics. N. D. '10+: P. 6+: R. P. 6+: I. U. 6+: W. 10+.

Section B, electrical engineering. P. 6+: R. P. 6+: I. U. 6+.

Science magazine. M. 31-34.

Science news. Salem, Mass. P. 1.

Science record (Beach). New York. R. P. '74.

Scientific American. New York. D. 1-25, 50+: E. 6-8, 11-14, 16-21, 23-26, 30, 31, 36-74, 98-100, 105+: F. 70-93, 96+: Ft. W. 86, 90-98, 100+: G. 82+: I. U. 35, 44, 45, 49-67, 69, 72-75, 77, 86, 87, 89, 90+: L. P. o. s. 11; n. s. 1-8, 11, 15, 17-19, 23, 26-35, 77+: M. 30+: N. D. o. s. 14; n. s. 4-9, 26, 28, 29, 39, 40*, 41-54, 55*-61, 62, 63*-70*, 80*, 81*, 83*, 88*, 90*, 91*, 94*-98*, 99, 100*, 101+: N. H. n. s. 1-41, 50-51, 100+: P. 34-43, 76+: R. P. o. s. 1-14; n. s. 1+: S. L. 14-15, 18, 30-37, 57-66, 68-83, 86-106: S. N. 86+: T. H. 82+: W. 1-31, 41-45, 48+.

Scientific American. Building edition. New York. Ft. W. 37-39||: L. P. 27*, 28*, 29*: M. 17-39||: R. P. 25-39||.

Continued as *American homes and gardens q. v.*

Scientific American. Supplement. New York. D. 1+: E. 65, 66, 68-70, 72+: F. 59-62, 71+: Ft. W. 57, 59-62, 64+: G. 67+: I. U. 1-32, 34, 54, 57+: L. P. 1, 2, 44+: M. 1, 2, 56+: N. D. I. 3; II. 2*, 4*-7*, 9*, 12*-14*, 23*-25*, 28*, 29*, 31*, 42*, 45, 49*-52*, 53, 54*-58*, 59, 60*, 61, 62*-65*, 66+: N. H. 8-10, 13-24: P. 1-4, 9-24, 29+: R. P. 13-20, 49+: S. L. 16, 19-21, 23, 25, 35, 36, 41+: S. N. 31+: T. H. 1+: W. 15-23, 35-54, 56, 58+.

Scientific tracts. Boston, Mass. N. H. n. s. 1, 2, 4.

Scotland agricultural college. Glasgow.

Annual report. Exp. 1, 2, 4-6.

Scotland. Fishery board.

Annual report. S. L. '07+.

Scotland. Highland agricultural society. Edinburgh.

Transactions. Exp. IV. 8-11.

Scottish geographical magazine. Edinburgh, Scotland. I. U. 25+: S. N. 1+.

Seismological society of Japan. Tokyo.

Transactions. R. P. 1-20.

Selbourne magazine and nature notes. London, England. N. D. 23+.

Semillas recolectados durante el ano. jardin botanico. Valencia, Spain.
N. D. '11+.

Seminarium. Leipzig, Germany. N. D. 1+.

Sibley journal of engineering. Ithaca, N. Y. P. 11, 19+.

Siderial messenger. Northfield, Minn. D. 5-10||: W. 1-10||: I. U. 10||: S. L. 1, 2*.

Continued as *Astronomy* and *astro-physics*.

Signal engineer. Chicago, Ill. P. 1+.

Silliman's journal. See **American journal of science.**

Skandinavisches Archiv für Physiologie. Leipzig, Germany. I. U. 1+.

Sketch book of nature and outdoor life. Manchester, N. H. N. D. 1, 2*||.

Smithsonian institution. Washington, D. C.

Annual report. D. '53-'96, '98-'00, '02-'04, '07-'09; E. '71-'03, '07+; Exp. '82-'84, '87-'95, '97*, '99, '00; F. 54, 56-60, 62-77, 79+; G. '96, '01, '08+; I. U. 4-6, 8-54, 56+; L. P. '47, '53+; N. D. '84+; P. '53, '54' '56+; R. P. 1+; S. L. '46+; S. N. '55, '59, '61, '63, '65, '77, '78, '81+.

Contributions to knowledge. D. 1+; I. U. 13-26, 28, 30+; L. P. 23-26, 28, 30-32; N. D. 2, 3, 5, 6-18, 20-24, 26, 30+; P. 6, 10, 20-32, 34+; R. P. 1+; S. L. 1-35; S. N. 2-13, 15-25, 28+.

Miscellaneous collections. D. 1-30, 32-38, 40-42, 43, 46-57*; I. U. 1, 13+; L. P. 1-6, 9-21, 23-28, 30-33, 35, 36, 37*, 38*, 39*; N. D. 1, 2*, 6-11, 14-33, 36+; P. 1-2, 4, 5, 8, 9, 11-27, 29, 32-41, 44+; R. P. 1+; S. N. 32+; T. H. 16, 18, 20, 22, 23, 25, 27, 40, 42-54, 56+.

Smithsonian institution. United States national museum. Washington, D. C.

Annual report. B. '04; F. '00-'04; I. U. '84+; L. P. '81+; N. H. '54+; P. 84+; R. P. '85+; S. L. '85+; S. N. '84-'98, '07+; T. H. '86+.

Bulletin. D. 29, 33-38, 39*, 40-46, 47*, 48-49, 50*, 51, 52, 53*, 54, 55, 56*, 57, 58, 60-69, 71-77, 79, 81; Exp. 3, 6, 11, 13, 21, 23, 26, 39*, 40-46, 47*, 50, 51, 53-60, 62-71, 73+; I. U. 1-38, 40-54, 56-58, 60, 70+; L. P. 39*+; N. H. 9, 10, 12, 40-43, 45, 48; P. 1-16, 20, 21, 24, 26, 33-38, 40-48, 50+; R. P. 1-16, 39-48; S. L. 1+; S. N. 1-48, 50+.

Proceedings. D. 10-22, 24-28, 32, 34-40; Exp. 2, 3, 8, 9, 14-33, 36, 37, 39, 42+; F. 14-16, 18-29; I. U. 1+; L. P. 14+; N. D. 14+; N. H. 14-19; P. 1+; R. P. 13+; S. L. 1+; S. N. 1+; T. H. 2, 4, 6, 9, 13-33, 35+.

Smithsonian institution. See also **United States.** Astrophysical observatory; **United States.** Ethnology, Bureau of American; **United States.** National herbarium.

Sociedad broteriana. Coimbra, Portugal.

Boletino. N. D. 25+.

Sociedad científica "Antonio Alzate." Mexico City, Mexico.

Memorias y revista. Ac. 9⁹, 10, 10⁵⁻¹², 11, 12, 13¹⁻¹⁰, 14²⁻¹², 15, 16-18, 19⁶⁻¹², 20⁵⁻¹², 21-28, 29, 30¹⁻⁶+; N. D. 32+.

Sociedad científica Argentina. Buenos Aires, Argentine Republic.

Anales. Ac. 45⁵, 6, 46+; N. D. 75+.

Sociedad de geografía y estadística de la República Mexicana. Mexico City.

Boletín. Ac. 1¹⁻¹², 2¹⁻⁵; N. D. 6+.

Sociedad Mexicana de historia natural. Mexico.

Naturaleza. Ac. 7¹⁶⁻¹⁸; II. 1¹⁻³, 5, 6, 9, 10, 2¹⁰⁻¹¹, 3¹⁻¹⁰; III. 1¹⁻⁴+; N. D. III. 1+.

Sociedad química Argentina. Buenos Aires, Argentine Republic.

Anales. Ac. 1¹.

Sociedad científica de São Paulo (Brazil).

Revista. Ac. 1¹⁻⁴, 2¹⁻⁸, 5¹⁻⁸, 6+.

Società africana d'Italia. Naples, Italy.

Bulletin. Ac. 13-31*.

Società botanica italiana. Florence, Italy.

Bollettino. N. D. '09+.

Società di naturalisti in Napoli (Italy).

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Società entomologica italiana. Florence, Italy.

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Società italiana di scienze naturali e del museo civico di storia naturale. Milan, Italy.

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Société belge de géologie de paléontologie et d'hydrologie. Brussels, Belgium.

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Journal. N. H. 5.

Société des sciences naturelles de l'Ouest de la France. Nantes.

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Société entomologique de Belgique. Brussels, Belgium.

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Bulletin des séances. Ac. '97+*.

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- Société géologique de Belgique.** Liège, Belgium.
 Anales. Ac. 25¹⁻³, 26²⁻⁴, 27¹⁻⁴, 28¹⁻³, 29+.
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- Société géologique de France.** Paris.
 Bulletin. I. U. III. 23-28; IV. 1+: S. L. II. 1.
- Société helvétique des sciences naturelles.** Geneva, Switzerland.
 Actes. Ac. '93, '95, '99, '02, '07, '09.
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- Société hollandaise des sciences.** La Hague, Holland.
 Archives. Ac. 30^{4, 5}; II. 1^{1, 4, 5}, 2-4, 6, 7¹⁻³, 8^{1, 2, 5}, 9-15; III. A. 1-2; III. B. 1+.
- Société impériale des naturalistes de Moscou (Russia).**
 Bulletin. Ac. 61-62; n. s. 1-10, 11^{1, 2}, 13^{2, 3}, 14, 15, 16^{3, 4}, 17, 18²⁻⁴, 19+.
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- Société internationale des électriciens.** Paris, France.
 Bulletin. P. 5+.
- Société mathématique de France.** Paris.
 Bulletin. D. 1-20; I. U. 1+.
- Société rambertia.**
 Rapport annuel et présidentiel. N. D. 10-13.
- Société royale de botanique de Belgique.** Brussels, Belgium.
 Bulletin. Ac. 36-45, 45¹⁻³, 46^{1, 2, 4, 5}, 47¹⁻⁴; N. D. 46+.
- Société royale linnéenne de Bruxelles (Belgium).**
 Bulletin. Ac. 14-16*, 19-31*.
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 Annales. Ac. 41-46.
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- Society for experimental biology and medicine.** New York City. N. D. 1+.
- Society for horticultural science.** Washington, D. C.
 Proceedings. Exp. '03-'10.
- Society for psychical research.** London, England.
 Proceedings. I. U. 1+: S. N. 1+: W. 1-6.
- Society for the promotion of agricultural science.**
 Proceedings. Exp. 4, 5, 9, 11, 14, 17-19; P. 1-28; S. L. '96, '98, '99.

- Society for the promotion of engineering education.** London, England.
 Bulletin. P. 1+.
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- Society of American foresters.**
 Proceedings. P. 1+*.
- Society of chemical industry.** London, England.
 Journal. Exp. 27+; I. U. 22+; N. D. 24*, 25; P. 1+; R. P. 23+; W. 13.
- Society of naval architects and marine engineers.** New York.
 Transactions. P. 1-11; R. P. 1-15.
- Society of telegraph engineers.** London, England.
 Journal. P. 1-17; R. P. 1-14.
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- Sound waves.** P. 7-12, 13*, 14-15.
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- South Africa.** Central locust bureau. Cape Town.
 Report. Exp. 1-4.
- South Africa.** Entomologist, Government. Cape Town.
 Report. Exp. '95, '98, '00.
- South Africa union.** Agricultural journal. Pretoria, Transvaal. N. D. '12, '13+.
- South African philosophical society.** Cape Town.
 Transactions. Ac. 9², 10², 3, 11¹⁻³, 12, 15¹⁻⁴, 16¹⁻⁴.
- South Australia.** Agriculture, Department of. Adelaide.
 Bulletin. Exp. 1-7, 9-21, 23-29, 31-63, 69, 71*-74*.
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- South Carolina agricultural college.** Clemson College.
 Extension work. Exp. 1*.
- South Carolina.** Agricultural experiment station. Clemson College.
 Annual report. Exp. 1, 2, 4, 5, 7+; P. 2, 5, 7, 10+.
 Bulletin. Exp. 1-153, 155+; P. o. s. 1-8, n. s. 1-49, 52+.
- South Carolina college.** Columbia. Experimental farm.
 Report. Exp. '83-'86.
- South Carolina.** Live stock association.
 Annual report. Exp. 4-10.
- South Dakota.** Agricultural experiment station. Brookings.
 Annual report. Exp. 1-11, 13, 14, 16+; P. 1-5, 7-9, 15+.
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- South Dakota.** Agriculture, State board of.
Annual report. Exp. '09, '10.
- South Dakota** dairy association.
Annual report. Exp. 7.
- South Dakota.** Engineer.
Report. P. 1+.
- South Dakota.** Food and drug commissioner.
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- South Dakota.** Geological survey.
Biennial report. S. N. 1, 2.
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- South Dakota.** Improved live stock and poultry breeders' association.
Annual report. Exp. '06-'08, '10.
- South Dakota** (state) school of music. Geology, Department of.
Bulletin. P. 6, 9.
- Southern** and southwestern railway club. Atlanta, Ga.
Proceedings. P. 5*, 6, 7*, 8.
- Southern California** academy of science. Los Angeles.
Bulletin. Ac. 1¹, 2.
- Southern** orchard and farm. Houston, Tex. Exp. 6*, 7*, 8+.
- Southern** planter. Richmond, Va. Exp. 70+.
- Southern** ruralist. Atlanta, Ga. Exp. 16*, 18*, 19*, 20+.
- Southern** states association of commissioners of agriculture.
Proceedings. P. 11, 12.
- Southern** woodlands. See **Georgia** forest association.
- Southwest** trail. Chicago, Ill. Exp. 29*, 30*, 31, 32*, 33*.
- Spokesman** review. Spokane, Wash. Exp. 30*, 31+.
- Springfield** (Mass). See **Museum** of natural history.
- Stahl und Eisen.** Dusseldorf, Germany. P. 25+.
- Standard** guide. Chicago, Ill. Exp. 4.
- Statesman's** yearbook. London, England. R. P. '73, '76.
- Stockholm** (Sweden). See **Kongliga** svenska vetenskaps-akademien.
- Stone and Webster** public service journal. Boston, Mass. P. 1-6.
- Strawberry.** Three Rivers, Mich. Exp. 2*.
- Street** railway journal. New York. Ft. W. 29-31||: P. 7-31||.
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- Student** farmer. Madison, Wis. Exp. 3*, 4*.

- Successful farming.** Des Moines, Ia. Exp. 8*.
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- Sugar beet.** Philadelphia, Pa. Exp. 12*, 15, 16, 17*, 18-21, 22*, 23*, 24*, 25*, 26*, 27.
- Quarterly. Exp. 27-32.
- Svenska vetenskaps-akademien.** See **Kongliga svenska**, etc.
- Sveriges geologiska Undersokning.** Stockholm, Sweden.
- Afhandlingar och uppsatser. Ae. ser. C. 92-111, 113-134, 195, 196, 201-203; ser. Ca. 4, 5, 7.
- Arsbok. Ae. '07-'09.
- Ofversiktskartor. Ae. ser. Ba. 6, 7.
- Tacoma academy of sciences.** Tacoma, Wash.
- Proceedings. Ae. '93.
- Technic.** See under **Michigan university**.
- Technical literature.** New York. See **Engineering digest**.
- Technical world magazine.** New York. Ft. W. 11+; G. 13+; S. N. 1+.
- Technische Anskunst: Monatsheft des internationalen Institutes für Technobibliographie.** Berlin, Germany. R. P. '09+.
- Technograph.** See under **Illinois university**.
- Technology architectural record.** Boston, Mass. Ft. W. 6+.
- Technology quarterly and proceedings of the Society of arts.** Boston, Mass. P. 18-21.
- Technology review.** Boston, Mass. I. U. 1+; P. 1+; R. P. 1+.
- Telegraph and telephone age.** New York. S. L. '11.
- Telephony, the American telephone journal.** Chicago, Ill. P. 1-4, 17, 18, 59+.
- Tennessee.** Agricultural experiment station. Knoxville.
- Annual report. Exp. 1+; S. L. '00, '01, '03; P. 1+.
- Bulletin. Exp. 1+; S. L. '96-'08*; P. 1+.
- Special bulletin. Exp. B-E.
- Tennessee.** Agricultural statistics and mines, Commissioner of.
- Annual report. Exp. '84.
- Tennessee.** Entomology, State board of. Knoxville.
- Annual report. Exp. 1, 3-6; N. D. 7+.
- Bulletin. Exp. 1, 3-5; N. D. 7+.
- Tennessee.** Geological survey.
- Biennial report. N. H. 1; P. '69.
- Resources of Tennessee. P. 1+.

- Tennessee.** Health, State board of. Nashville. Exp. 3*, 4*, 5*, 6*, 7*, 9*.
Tennessee university. Knoxville.
 Record. Exp. 7*; P. 4*-10*.
- Tennessee university.** Agriculture, School of.
 Report on experimental work. Exp. '79-'86].
 Continued by Tennessee. **Agricultural** experiment station, *q. v.*
- Terrestrial magnetism and atmospheric electricity.** Chicago, Ill.; Cincinnati, O.; Baltimore, Md. I. U. 4, 5.
- Texas academy of science.** Austin, Tex.
 Transactions. Ac. 1¹⁻⁵, 2^{1, 2}, 3, 4 pt. 2¹⁻⁹, 7, 9-11; N. D. 1+.
- Texas.** Agricultural experiment station. College Station.
 Annual report. Exp. 1-14; P. 1+.
 Bulletin. D. 7; Exp. 1-77, 79-86, 88+; P. 1+; S. L. '05+*.
- Texas.** Agriculture, Department of. Austin.
 Annual report. Exp. 1.
 Bulletin. Exp. 1, 3-7, 10-12, 14, 15, 19, 20-22, 24-28.
- Texas farm cooperator.** Ft. Worth. Exp. 34*, 35+.
- Texas farmer.** Ft. Worth. Exp. 33*, 34+.
- Texas farmers' congress.** Beaumont.
 Annual report. Exp. 14; P. 3-5, 9, 15.
- Texas geological and mineralogical survey.**
 Bulletin. P. 3-4, 7-9.
- Texas university.** Austin.
 Bulletin. Medical series. Ac. 2, 3.
 Official series. Ac. 39.
 Reprint series. Ac. 2.
 Scientific series. Ac. 4, 6, 8, 10-17; I. U. 12, 13; N. D. 14, 20+; P. 46, 51, 135, 165, 178, 189; R. P. 23+.
 Record. P. 2-4*.
 Mineral survey. Bulletin. P. 3, 4, 7, 9]; R. P. 7-9].
- Therapeutic gazette.** Detroit, Mich. D. o. s. 4-11.
- Therapeutic notes.** Detroit, Mich. I. U. 10+.
- Things chemical.** N. D. '06*, '07*.
- Tidsskrift for skovaesen.** Copenhagen, Denmark. N. D. '13+.
- Timehri.** Journal of the royal agricultural and commercial society of British Guiana. Damerara. N. D. III. 1*, 2*, 3+.
- Tokyo (Japan) botanical society.**
 Botanical magazine and proceedings. N. D. 24+.

- Tokyo** (Japan) university.
Journal. N. D. 1+.
- Toronto** (Can.). City engineer.
Report. P. '93, '95-'97, '99, '01, '02.
- Toronto** (Can.) school of practical science.
Papers. P. 7-20.
- Toronto** (Can.) university. Chemical laboratory.
Papers. Ae. 40-52, 54-72, 74-94.
- Toronto** (Can.) university. Physical laboratory.
Papers. Ae. 18-40.
- Toronto** (Can.) university. Engineering society.
Applied science. P. 1, 2; R. P. '92-'98, '00-'06.
Called Papers before 1903.
- Toronto** (Can.) university.
Studies. Anatomical series. P. 1.
Biological series. Ae. 4-11; N. D. 3+; P. 1-3.
Chemical series. Ae. 40-52, 54-72, 74-93.
Geological series. Ae. 3-7; N. D. 1+; P. 1, 2.
Pathological series. Ae. 1.
Physical science series. Ae. 1-4.
Physics series. Ae. 18-36.
Physiological series. Ae. 4-7; P. 1-3.
Psychological series. Ae. 2²-3¹, 1; P. 1, 2.
- Torrey** botanical club. New York.
Bulletin. Ae. 12-21, 25; D. 19+; F. 15, 17, 18; I. U. 18-19, 21+; N. D. 14, 15*, 16-24, 25*, 26, 27, 36*, 37+; W. 19+.
Memoirs. D. 1, 2, 4-11; I. U. 1*, 6*, 9, 11*.
Torreya. D. 1+; N. D. 11+.
- Town** planning review. Manchester, England. G. 3+.
- Trade**; a journal of the canning industry. Baltimore, Md. Exp. 34*, 35+.
- Transit**. See under Iowa (state) university.
- Transvaal** agricultural journal. Pretoria. Exp. 1*, 2*, 3*, 4-8, 9*.
- Transvaal**. Agriculture. Department of. Pretoria.
Annual report. Exp. '03-'08.
- Traveling** engineers association.
Proceedings. P. 1-7, 9.
- Trenton** (N. J.) natural history society.
Journal. Ae. 1¹⁻³, 2¹.

Trondhjem (Norway). See **Kongelige** norske videnskabers selskab.

Trucker and farmer. New Orleans, La. Exp. 4*, 5+.

Tufts college. Tufts college, Mass.

Studies, Ae. 1². 4, 5, 5, 2², 3, 3: P. 1+*.

United States. Agriculture, Department of. Washington, D. C.

Annual report. D. '63, '65, '67, '68, '73, '75-'80, '85-'93: Exp. '47, '48, '50, '51, '53-'59, '61+: P. '48-'60, '62-'83, '98+: R. P. '62+: S. L. '43*+: S. N. '51-'05, '07+.

Called **Report** of the commissioner of agriculture until 1888. After that called **Report** of the secretary of agriculture. Since 1894 the scientific and general informational matter has been published separately from the administrative report in the **Year** book *q. v.*

Department report series. Exp. 12, 14, 16, 18, 20, 22, 24, 26, 27, 30, 36, 39, 43, 47, 48-50, 52, 55-85, 88-90, 92+: P. 59-63, 65-72, 74, 75, 77, 78, 80, 83, 84, 86+: S. N. 5, 58, 60, 63, 65, 68-72, 74, 75, 77, 80, 86+.

Farmers' bulletins. Exp. 1-375, 377+: N. D. 1+: P. 1+: R. P. 9-356: S. L. 1+: S. N. 1+.

Library bulletin. Exp. 1+: P. 1+: S. N. 40+.

Library monthly bulletin. Exp. 1, 2+: P. 1+.

Miscellaneous reports. Exp. 1-10||: S. L. 1-10||.

Special reports. D. 18-37: S. L. o. s. 1-65||.

Yearbook. D. '94-'97, '07, '08, '10+: Exp. '94+: N. D. 1+: P. '94+: R. P. '94+: S. L. '94+: S. N. '94+.

Continues the scientific and informational matter of the **Annual** report *q. v.*

United States. Agrostology, Division of.

Bulletin. D. 11-20: Exp. 1, 2, 4-7, 9-25||: P. 1-7, 9-25||: R. P. 2-25||: S. N. 1, 2, 4, 6, 8, 9, 12-16, 18, 19, 21-25||.

Continued as **United States** Plant industry, Bureau of, *q. v.*

United States. Animal industry, Bureau of.

Annual report of the bureau. D. 24+: Exp. 1+: P. 1-16, 21+: R. P. 1-24: S. N. '84, '87-'92, '97-'03, '07+.

Annual report of the chief. Exp. '89-'91, '95-'03, '05, '06, '08-'10, '12+.

Bulletin. D. 2-4, 6, 7, 10-15, 17, 20-22, 24, 25, 31, 32, 34, 38, 39, 42, 44-53, 56-58, 60, 63, 66-101, 103-139, 141-159, 161-164, 166+: Exp. 1-78, 80-106, 108-124, 125, 126-159, 161-164, 166+: P. 3-5, 7-9, 11, 13+: R. P. 10-11, S. N. 9, 15-18, 28, 30-34, 36, 39.

United States astrophysical observatory.

Annals. D. 2+: N. D. 1+: R. P. 1+.

United States. Biological survey, Division of.

Annual report. Exp. '87-'89, '98, '01-'09, '11+: N. D. 1+.

Bulletin. D. 1, 6, 8, 10, 15-17, 20, 22+: Exp. 1, 3+: N. D. 1+: N. H. 1: P. 1-37, 39+: S. L. 9+: S. N. 7-9, 12, 15+.

Circular. Exp. 14-17, 20, 23-35, 38-40, 42-44, 46-47, 51+: N. D. 1+: P. 1-61, 63-85, 87-90, 92+: S. L. 17+: S. N. 28+.

North American fauna. D. 1-5, 7, 11, 12, 17, 20, 23: Exp. 1-5, 7, 8, 10+: P. 1-4, 7, 8, 10+: S. L. 1+: S. N. 2-5, 8-10, 11-13, 15, 17, 18, 20-26, 27+.

Formerly **United States.** Ornithology and Mammalogy, Division of, *q. v.*

United States. Botany, Division of.

Annual report. Exp. '85, '86, '88-'91, '93, '94, '96-'98: P. '86, '88-'95.

Bulletin. D. 1, 3, 6, 8, 15-25, 27: Exp. 1-29||: P. 1-3, 5-8, 12-29||: R. P. 16-29||.

Circulars. Exp. 1-30||: P. 2-30||: S. L. 9, 12, 15, 18, 23-30||.

Continued as **United States** Plant industry, Bureau of, *q. v.*

United States brewers' association.

Proceedings. P. '08-'11.

Yearbook. P. '09+.

United States census bureau, forest products. P. '07+.**United States.** Chemistry, Bureau of.

Annual report. Exp. '90, '93, '97, '98, '00-'03, '05, '07+: N. D. 1+: P. '90, '98-'01, '03-'05, '08.

Bulletin. Exp. 3, 8, 9, 11-96, 99-113, 115-160, 163+: N. D. 1+: P. 1-6, 8-10, 13-15, 17, 18, 20+: R. P. 13-124: S. L. 1+: S. N. 13, 15, 20, 21, 34, 39, 40, 42, 46-58, 62+.

Circulars. Exp. 1, 2, 3-6, 7-18, 20+: N. D. 1+: P. 1-77, 79-85, 87+: S. L. 1+: S. N. 5, 16, 41+.

United States. Coast and geodetic survey.

Annual report. D. '52, '54, '55, '60, '62-'68, '71-'73, '77-'89, '91+: N. D. 1+: P. '51+: R. P. '51-'57, '59-'62, '64-'65, '67+: S. N. '51-'57, '60, '61, '78-'95, '97+.

Bulletin. N. D. 1+: R. P. 4-17, 19-21, 25, 26, 28, 29, 32, 33, 35-38, 40+.

Charts. N. D. 1+.

Special publications. P. 1, 5+: R. P. 4, 7, 10+: S. L. 3-5, 7-12.

Surveys. N. D. 1+.

Tide tables. D. '03-'05, '07, '13: N. D. 1+: P. '08+: S. N. '02+.

U. S. coast pilot. Atlantic coast. D. 1-8: S. N. 1-6, 8.

Pacific coast. D. 1: S. N. 1.

U. S. magnetic tables and magnetic charts. D. '05: S. N. '05.

United States. Engineer department.

Professional papers. N. D. 1+: R. P. 22, 23, 25, 26, 28.

Report of chief. R. P. '68+: S. L. '67+: S. N. '83, '07+.

Report of examination and surveys. N. D. 1+.

United States. Engineer school. Washington, D. C.

Occasional papers. N. D. 1+.

United States. Entomological commission.

Annual reports. Exp. 3-5||: P. 1-4.

Bulletins. D. 1-7||: Exp. 1-3, 5-7||.

United States. Entomology, Bureau of.

Annual report. Exp. '08, '10+: N. D. 1+.

Bulletin. D. o. s. 6, 7, 10, 13-17, 19, 21, 23, 25, 27-30, 32, 33; n. s. 4, 6, 7, 11-20, 23, 26-30, 32, 37-39, 41-44, 46-50, 52-54, 56-80, 82, 84, 86-93, 95, 97-98, 100-110, 112+: Exp. o. s. 4-25, 27-33; n. s. 1-82, 84-93, 95*, 96*, 97, 98, 100-113, 115*, 116*, 117-121, 127+: N. D. 1+: P. o. s. 6, 10, 11, 13, 14, 17, 19, 20, 22-25, 27-29, 31, 32; n. s. 1+: S. L. o. s. 1-33; n. s. 1+: S. N. o. s. 4, 6, 9-19, 22, 29, 31, 45-50; n. s. 1, 3, 4, 6-9, 25, 27-30, 52+.

Bulletin. Technical series. D. 2, 3, 10+: Exp. 1-3, 5-13, 15, 16*, 17*, 19*, 20*, 21-23*, 24, 25*, 26+: N. D. 1+: P. 1+.

Insect life. D. 1-7||: Exp. 1-7||: L. P. 2, 3*, 4, 5*, 7*||: P. 1-4, 5*, 7||: W. 1-7||.

Special report. Exp. 1-3, 5-8.

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Annual report. E. 1-26: Exp. 26: F. 2-23: L. P. 1-22: N. D. 1+: N. H. 1-28: P. 1-3, 5-19, 21+: R. P. 1+: S. L. 1-26: T. H. '79-'89, '93, '94, '96+.

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L. P. 1*+: N. D. 1+: N. H. 1+: P. 1+: R. P. 1+: S. L. 1+: S. N.
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N. D. 1+: N. H. 1-50, 52: P. 1+: R. P. 1+: S. N. 1-48, 51, 52+:
T. H. 2, 3, 6, 8, 15-18, 20, 21, 23-31, 33-46, 49+.

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1+: R. P. 1-43, 48: S. N. 1+.

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1+: R. P. 1+: S. L. 1+: S. N. 40-256, 261-280, 284+: T. H. 42+.

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- Western lancet and hospital reporter.** Cincinnati, O. D. 12-14.
- Western New York apple.** Barker. Exp. 1*.
- Western New York horticultural society.** Rochester.
Report. Exp. 41-44, 46-56.
- Western Pennsylvania society of engineers.**
Proceedings. P. 22+.
- Western poultry journal.** Cedar Rapids, Ia. Exp. 23+.
- Western railway club.** Chicago, Ill.
Proceedings. P. 5, 6*, 7*, 8-16, 17*, 18*, 19+.
- Western society of engineers.** Chicago, Ill.
Journal. Ft. W. 18+: P. 1+: R. P. 1+.
- Western stock journal.** Oregon City, Ore. Exp. 1*, 2+.
- Westinghouse electric company.**
Bulletin. N. D. '03+.
- Wiener universität.** Institut für Anatomie und Physiologie des Centralnervensystems.
Arbeiten. I. U. 1+.
- Wilson bulletin.** Oberlin, O. N. D. 22, 23, 24+: P. 14+.
- Winnipeg (Manitoba).** City engineer of.
Report. N. D. '98, '02+.
- Wisconsin academy of sciences, arts and letters.** Madison.
Transactions. Ac. 10-16: E. 3+: P. 3+: S. L. 1-9.
- Wisconsin agricultural experiment association.** Madison.
Annual report. Exp. 3, 4, 6, 7.
- Wisconsin.** Agricultural experiment station. Madison.
Annual report. Exp. 1+: P. 1-5, 7+: R. P. '03-'07, '10+: S. L. '89-'93.
Bulletin. Exp. 1+: P. 1+: R. P. 8+.
Research bulletin. Exp. 1+: R. P. 1-14.
- Wisconsin (state) agricultural society.** Madison.
Report. S. L. '59-'68, '71-'94.
Transactions. Exp. 2, 5, 8-12, 18, 20-25: P. 1-3, 5-8, 10-34.
- Wisconsin.** Agriculture, State board of. Madison.
Annual report. Exp. '12: P. '00+.
Biennial report. P. '97-'00.
Bulletin. Exp. 1.

- Wisconsin** agriculturist. Racine. Exp. 33*, 34*, 35*, 36*, 37+.
- Wisconsin** archeologist. Milwaukee. I. U. 2+.
- Wisconsin** butter-makers' association. Madison.
Annual report. Exp. 6-9.
- Wisconsin** cane growers' association.
Annual report. Exp. 3.
- Wisconsin.** (State) conservation commission.
Report. P. '10.
- Wisconsin** country magazine. Madison. Exp. 5*.
- Wisconsin** (state) cranberry association.
Annual report. Exp. '99-'11.
- Wisconsin.** Dairy and food commission. Madison.
Annual report. Exp. '91-'94; P. '94.
Biennial report. Exp. '97, '98, '01, '02; P. '95-'10; S. N. '92, '94, '96.
- Wisconsin** dairymen's association.
Annual report. Exp. 17-20, 25, 26, 28, 35-38; P. 6-9, 17+.
- Wisconsin.** Dunn county school of agriculture. Menomonie. Exp. 3*, 4*, 5*, 6*.
- Wisconsin** farmers' institute. Madison.
Bulletin. Exp. 2, 6-8, 10; P. 1-10, 12, 14, 16-23.
- Wisconsin.** (State) forester.
Annual report. Exp. '06; P. '06+.
- Wisconsin.** Forestry commission.
Report. P. '06-'08.
- Wisconsin.** Geological and natural history survey.
Biennial reports. P. 1-5.
Bulletin. I. U. 1-7*, 8-22, 25+; P. 2-17, 20+; T. H. 1-4.
- Wisconsin.** Health, State board of.
Annual report. P. '77-'82, '84, '85, '87-'06.
- Wisconsin** (state) horticultural society. Madison.
Bulletin. D. 12; Exp. 1-5, 9-10, 12-13.
Transactions. D. 13, 19; Exp. '76, '78-'86, '91, '94-'96, '98-'01, '03, '04, '06-'08, '10+; N. D. 10; P. '74-'80, '85, '89+; S. L. '87, '88, '90-'94.
- Wisconsin** horticulture. Madison. Exp. 1*, 2+.
- Wisconsin.** Marathon county school of agriculture and domestic economy.
Wausau.
Bulletin. Exp. 2*, 3*, 4*, 5*, 6*, 9*.

- Wisconsin natural history society.** Milwaukee, Wis.
Bulletin. Ac. 1¹, 2, 2+: Exp. 7*, 8-10: N. D. 3+.
- Wisconsin public museum.** Milwaukee.
Bulletin. Exp. 1, 2.
- Wisconsin university.** Madison.
Bulletin. Exp. 141, 459, 480, 507, 508, 537, 547+.
Engineering series. E. 2: I. U. 1-4, 6+: P. 1+: R. P. 1-5, 6*.
Science series. E. 2: I. U. 1+: P. 1+.
- Wisconsin university.** Pharmacy. Department of.
Contributions. P. 1.
- Wisconsin university.** Washburn observatory.
Publications. I. U. 2-11.
- Wisconsin; Winnebago county school of agriculture.** Winneconne.
Quarterly bulletin. Exp. 3, 8, 15.
- Wissenschaftliche Beilage zum Program des Falk real Gymnasiums.** Berlin, Germany. N. D. '90.
- Woodcraft.** Cleveland, O. Ft. W. 19+: P. 8, 9, 10*, 11+.
- Wood's crop special.** Richmond, Va. Exp. 3*, 4*, 5*, 6*.
- Woodworker.** Indianapolis, Ind. Ft. W. 28+.
- Wyoming.** Agricultural experiment station. Laramie.
Annual report. Exp. '91+: P. 1+: S. L. '11, '12.
Bulletin. D. 19, 42-45: Exp. 1+: P. 1+: S. L. 83-96*.
- Wyoming.** Dairy, food and oil commissioner. Cheyenne.
Annual report. Exp. 3-5.
Bulletin. Exp. 3-10.
- Wyoming.** (State) engineer.
Report. P. 1-4.
- Wyoming historical and geological society.** Wilkes-Barre, Pa.
Proceedings and collections. Ac. 2¹, 2, 3.
- Wyoming.** Horticulture, State board of. Laramie.
Biennial report. Exp. 1-3.
Special report. P. 1*.
- Yale university.** New Haven, Conn. Astronomical observatory.
Transactions. S. L. 1*, 2*.
- Yale university.** Psychological laboratory.
Studies. I. U. 1-10; n. s. 1+: S. N. 1-10.
- Yearbook of agriculture.** Philadelphia. N. H. '56.
- Yearbook of facts (Vincent).** London, England. R. P. '75.

- Yearbook** of facts in science and art (Timbs). London, England. N. H. '53: R. P. '56-'68.
- Yearbook** of nature and popular science. New York. N. H. '73.
- Zeitschrift** der deutschen geologischen Gesellschaft. See **Deutsche** geologische Gesellschaft.
- Zeitschrift** der naturwissenschaftlichen Ableitung. Posen, Germany. N. D. 19+.
- Zeitschrift** für ärztliche Fortbildung. Jena, Germany. I. U. 1-6.
- Zeitschrift** für allgemeine Physiologie. Jena, Germany. I. U. 1+.
- Zeitschrift** für analytische Chemie. Wiesbaden, Germany. D. 32: Exp. 1+: I. U. 1+: N. D. 40: R. P. 34+: W. 32-40.
- Zeitschrift** für angewandte Chemie. Berlin, Germany. I. U. 1+.
- Zeitschrift** für angewandte Psychologie. Leipzig, Germany. I. U. 1-3, 5+. Beihefte. I. U. 1+.
- Zeitschrift** für anorganische Chemie. Hamburg, Germany. P. 1+: W. 1-68.
- Zeitschrift** für Biologie. Munich; Leipzig, Germany. D. 18.
- Zeitschrift** für Botanik. Jena, Germany. Exp. 1-3: I. U. 1+.
- Zeitschrift** für experimentelle Pathologie und Therapie. Berlin, Germany. I. U. 3+.
- Zeitschrift** für induktive Abstammung und Vererbungslehre. Berlin, Germany. Exp. 5+.
- Zeitschrift** für Instrumentenkunde. Berlin, Germany. P. 28+: R. P. 5.
- Zeitschrift** für mathematischen und naturwissenschaftlichen Unterricht. Leipzig; Berlin, Germany. I. U. 41+.
- Zeitschrift** für Mathematik und Physik. Leipzig, Germany. I. U. 40-51, 58+.
- Zeitschrift** für Morphologie und Anthropologie. Stuttgart, Germany. I. U. 1+.
- Zeitschrift** für pädagogische Psychologie, Pathologie, und Hygiene. Berlin, Germany. I. U. 1-12.
- Zeitschrift** für Pflanzenkrankheiten. Stuttgart, Germany. Exp. 1-4, 6+.
- Zeitschrift** für physikalische Chemie, Stochiometrie und Verwandtschaftslehre. Leipzig, Germany. I. U. 1+: P. 1: R. P. 47-56: W. 1+.
- Zeitschrift** für physikalische und chemische Unterricht. R. P. 3-5.
- Zeitschrift** für physiologische Chemie. Strassburg, Germany. I. U. 1+.
- Zeitschrift** für Psychologie und Physiologie der Sinnesorgane. Hamburg, Germany. I. U. 1+.
- Zeitschrift** für Schulgesundheitspflege. Hamburg, Germany. I. U. 1+.
- Zeitschrift** für Socialwissenschaft. Berlin, Germany. I. U. 7-12.

- Zeitschrift für Untersuchung der Nahrungs- und Genussmittel.** Berlin, Germany. Exp. 19+.
- Zeitschrift für wissenschaftliche Insektenbiologie.** Berlin, Germany. Ac. 7²⁻¹¹.
- Zeitschrift für wissenschaftliche Mikroskopie und für mikroskopische Technik.** Leipzig; Brunswick, Germany. D. 1-10; Exp. 1-5; I. U. 21+.
- Zeitschrift für wissenschaftliche Zoologie.** Leipzig Germany. I. U. 46-69, 76-95, 97+; W. 63-68.
- Zentralblatt.** See **Centralblatt**.
- Zoological bulletin.** Boston, Mass. I. U. 1, 2||.
Continued as **Biological Bulletin**, *q. v.*
- Zoological record.** London, England. D. 1-24; I. U. 1-46, 48+.
- Zoological society of London, England.**
Transactions. I. U. 15*, 16*.
- Zoologisch-zootomisches Institut.** Würzburg, Germany.
Arbeiten. I. U. 9*, 10*.
- Zoologische Station zu Neapel.** Italy.
Mittheilungen. I. U. 1+.
- Zoologischer Anzeiger.** Leipzig, Germany. D. 13-17; I. U. 1+.
- Zoologisches Centralblatt.** Leipzig, Germany. I. U. 4-7, 9+.
- Zurich** (Switzerland) universität. Botanischer Garten und botanisches Museum.
Mittheilungen. N. D. '13+.