
R U L E S

FOR THE

PREPARATION OF MANUSCRIPT AND ILLUSTRATIONS
DESIGNED FOR PUBLICATION BY THE UNITED
STATES GEOLOGICAL SURVEY.

BY

THOMAS HAMPSON.

JANUARY, 1888.

PREPARATION OF MANUSCRIPT AND ILLUSTRATIONS.

DEPARTMENT OF THE INTERIOR,
U. S. GEOLOGICAL SURVEY,
EDITORIAL DIVISION,
Washington, D. C., December 17, 1887.

SIR: In the annual report of the Director of the U. S. Geological Survey for 1885-'86, pages 40 and 41, you set forth the functions of the chief of the editorial division as follows: "To secure clear and accurate statement in the material sent to press, careful proof-reading, and uniformity in the details of book-making, as well as to assist the Director in exercising a general supervision over the publications of the Survey."

In accordance with my duty as thus laid down I have the honor to submit for your inspection and approval a series of rules concerning the preparation of manuscripts intended for publication by the U. S. Geological Survey.

Some weeks ago I set down some memoranda on this subject and caused the same to be transmitted, with a request for criticisms, to the various writers who have made or are likely to make contributions to the monographs, bulletins, and reports of the Survey. Numerous important additions were received from many of these gentlemen, and these have been incorporated in the rules herewith submitted. As was to be anticipated, much diversity of opinion was disclosed respecting various points raised, but there was a general recognition of the desirability of having some rules on the subject, and even in the imperfect and tentative form in which the suggestions were submitted for preliminary criticism they were well received.

Throughout the work I have endeavored to bear in mind the desirability of satisfying the individual preferences of writers, and have sought to control these only so far as seemed to be necessary to secure clearness, consistency, and uniformity in the publications of the Survey.

Mr. W. H. Holmes, chief of the division of illustrations, has furnished the notes respecting the preparation of illustrations which appear as paragraph 36 of these rules.

LETTER OF TRANSMITTAL.

If the rules here submitted meet your approval, I respectfully suggest that they be printed and promulgated under your authority for the guidance of those concerned.

Very respectfully,

THOMAS HAMPSON,
Chief of Editorial Division.

J. W. POWELL,
Director U. S. Geological Survey.

Approved:

A handwritten signature in black ink, appearing to read "J. W. Powell", written in a cursive style. The signature is positioned above the printed name of the Director.

Director U. S. Geological Survey.

RULES.

Form of manuscript.

1. "Copy" may be furnished: (a) as written by the author; (b) as copied for him by an amanuensis; (c) as printed on the typewriter. In the last case it may be most conveniently handled, but in using an author's original manuscript, unless his revision of copied work is very careful, the liability to error is considerably less than with a copy of any description. With the manuscript there should also be furnished all the illustrations which it is intended to use, together with a list of the same.

Preservation of originals.

2. In all cases it is well to preserve the original manuscript for reference. The originals of analyses, tables, lists of fossils, manuscript extracts, etc., should be transmitted, in a separate envelope, with the copy. Such additional matter will be returned to the author after use by the editorial division.

Only one side of paper to be used.

3. One side only of the paper is to be written upon, and the sheets used should be of uniform size. Additional matter, if more than a line, should be written upon a separate sheet and attached to the manuscript, with a clear indication of the place of insertion.

Paragraphing.

4. An author should carefully consider the paragraphing of a work before submitting it for publication, and all paragraphs should be clearly indicated.

Quotations and foot-notes.

5. In matter prepared on the typewriter quotations beginning a paragraph should be written with but half the space between lines that appears in the text; that is, in "narrow gauge." Where passages are copied from a printed book give author, short or full title, edition, date, and page of the work used.

6. In reprinting extracts the precise orthography, the punctuation, and the grammatical errors of the original are not to be preserved at the cost of clearness and consistency, except in the case (1) of extracts in which quaintness of form is intentionally preserved and (2) of citations in discussions of a controversial character.

7. Where two or more references to the same work occur in immediate succession and on the same page use *ibid.* for a repetition of the

title and give the new page and volume, if different; where not so occurring repeat the title either as first given or in an abridged form.

8. In quoting works printed in foreign languages it will sometimes be desirable to incorporate in the text a translation of the excerpt and give the language of the original in a foot-note.

9. To facilitate identification it is desirable that works cited which have been issued as public documents by the United States or by any State should be referred to by their official number and designation.

10. Put all titles of books and papers cited in foot-notes. (See, also, paragraph **38**.)

11. Write a foot-note immediately below the line of the text in which the reference to it is made, and draw a line entirely across the page above it and another below it. If it runs over the page, indicate the fact by writing "foot-note continued." The use of foot-notes, except for the purpose indicated in the preceding paragraph (**10**) of these rules, is to be sedulously minimized.

Tables of contents and headings.

12. It is not deemed advisable to adopt a series of types to be invariably used for headings throughout the publications of the Survey, but an effort will be made in the editorial division to secure uniformity so far as may be deemed desirable. To assist in effecting this, and for other reasons, authors are requested to forward with each manuscript offered for publication a table of contents showing, by suitable indentions, the order and grade of headings used throughout the work. There should also be a list of illustrations, arranged distinctly as plates and figures.

13. Tabular matter should be accompanied by headings concisely describing the subjects treated in the tables.

Date of administrative reports.

14. Administrative reports in the annual reports should be dated July 1 of the fiscal year following that for which the report is made, and tenses should be used with reference to that date.

Capitalization.

15. Capitalize the names of geological formations.

16. In cases where such terms as river, lake, basin, valley, etc., are used in the sense of proper nouns, they should generally be capitalized; as Green River (town), Salt Lake City, the Great Basin. But where they are used in the sense of common nouns they should not be capitalized; as the Potomac river. Moosehead lake, the Mississippi basin, the Sacramento valley.

Punctuation.

17. Punctuate mathematical formulas.

Contractions.

18. The contraction for et cetera will be etc., not &c.
 19. Write feet and inches instead of ' and ''.
 20. Write U. S. Army, U. S. Geological Survey, etc.
 21. Use St., Ste., S., etc., for the different forms of Saint in proper names; use Ft. for Fort; use Pl. and Fig. for plate and figure.
 22. Write Captain Brown and Professor Smith, but Capt. Frank W. Brown and Prof. C. D. Smith.
 23. Spell out "above tide" and "above sea level."
 24. Use abbreviations for section, township, range, etc., thus: S. E. $\frac{1}{4}$ of Sec. 5, T. 9 N., R. 2 E., followed by designation of meridian of reference when necessary.
 25. Time and longitude by the hour circle will be printed thus: 5^h 40^m 16^s.

Use of metric system.

26. The use of the metric system is advised for measurements of small objects, especially where less than an inch. The liability to error in printing metrical designations will be diminished if they are written out in the manuscript instead of being abbreviated, and for the same reason gramme is to be preferred to gram, which is liable to be confused with grain. In printing, however, the customary contractions will be used, as follows: m. for meter, dm. for decimeter, cm. for centimeter, mm. for millimeter, cm³. for cubic centimeter, g. for gram, etc. At the request of an author who is apprehensive that these abbreviations may not be readily understood, the words will be uniformly spelled out in any particular work respecting which the request is made.

Use of italic.

27. Statements, words, phrases, or abbreviations in foreign languages should not be underscored for italic; and, if such expressions and words have exact English equivalents, these should be preferred.

Bearings.

28. Bearings should be counted from north or south and not from east or west; e. g., N. 70° E., not E. 20° N. Let every magnetic bearing be accompanied by an indication of its character; e. g., write N. 17° E. magnetic; write azimuths S. 17° 10' W., etc. Bearings should not be expressed to a finer degree than actually observed. In no magnetic bearings should seconds be reported, or minutes except in work of the highest class. Use N. for north, NNW. for north-northwest, etc.

Numbers.

29. In general spell out indefinite numbers; as "about a thousand feet." Put in figures: (a) numbers higher than nine where definite; (b)

indefinite numbers if there are many of them; (c) hours of the day; (d) percentages; (e) series of numbers. An occasional isolated number may be spelled out.

30. Print decimal figures thus: 0.5, 0.50, 0.501, 0.5010, etc.

Chemical analyses.

31. In tables giving chemical analyses (except in works intended exclusively for the use of chemists) let the symbols of the constituents, wherever practicable, be followed by the names of the same if there are exact equivalents for the symbols.

Orthography of names of towns.

32. Follow local usage, if settled, in spelling the names of United States towns and cities; if there is no settled usage follow the spelling of the U. S. Postal Guide. In general adopt the preferred spellings of Lippincott's Gazetteer for names of foreign places.

Paleontologic names.

33. In printing paleontologic names observe the rules respecting capitalization adopted by the International Geological Congress (Congrès géologique international, compte rendu de la 2^{me} session, Bologne, 1881, p. 594), as follows:

A. When the specific name is derived from the name of a man it is given a genitive termination, care being taken at the same time to avoid any mutilation of the name itself. When it is derived from a geographical name it is given an adjective termination.

B. The generic name begins with a capital; the specific name with a small letter, except where derived from the name of a man.

C. The specific name should always be followed by an indication of the name of the author who established it. This name of the author is placed between parentheses when the original generic name is not retained.

Illustrations of the above rule: *Spirifera Leidyi* N. and P.; *Rhynchonella eurekaensis* Walcott; *Turris minor* (E. and S.) M. and H.

Webster's Dictionary to be followed.

34. Webster's Dictionary will be followed as the authority in the spelling and division of words, except where, in the case of particular words, there is some special reason for not following it. The system of compounding words in Webster's Dictionary is not adopted, and the compounding of word phrases is discouraged.

Proof-reader's marks.

35. An explanation of the various marks used in proof-reading will be found in the unabridged dictionaries of Webster and Worcester.

Illustrations.

36. Illustrations intended for the Survey publications are reproduced principally by one of the four following methods: Photoengraving, photolithography, wood engraving, and chromolithography.

a. The proper selection of processes requires in many cases the discrimination of an expert, but a few hints for the guidance of authors may be here given.

b. The question of expense should be constantly kept in mind by an author in suggesting the process which he thinks should be used in the preparation of every illustration he submits. Photoengraving and photolithography in this respect present great advantages over good wood engraving or chromolithography.

c. Photoengraving, photolithography, wood engraving, and chromolithography are each adapted to particular kinds of work, and authors should be sufficiently acquainted with the different processes to prepare originals and suggest methods of reproduction understandingly.

d. Photoengraving and photolithography reproduce work expressed in black lines or dots upon a white surface. The former is preferred for all illustrations of moderate size—say, not exceeding 100 square inches in area—and the latter for larger plates. The photoengraved plates are executed in metal and mounted upon blocks, from which electros are made to be used in printing. They are set up with the type or are printed as separate plates to be bound with the letter press. Photolithographs are not printed by the Public Printer, he having no facilities for doing this class of work. They are bound as independent plates.

e. Drawings intended for these processes should be executed in perfectly black ink upon smooth white paper, and upon a scale one-fourth or one-third larger than is desired in the engraving. The lettering, if any, should be drawn with special reference to the amount of reduction. All lines should be clear, even, and free from what is known as “rotteness.” In photoengraving, titles, plate numbers, etc., can be set up in type, and in special cases the plate may be cut and the type set up within its border, but this should be avoided wherever possible. In photolithography every detail (borders, letters, legends, titles, etc.) must be finished by the draftsman for fac-simile reproduction. As respects both photoengraving and photolithography, it is difficult to make alterations in the engraved plate.

f. Photographs and tint drawings cannot be reproduced by the above processes, but the originals of this class, when desirable, may be redrawn by pen for that purpose by a good draftsman. In cases where such redrawing cannot be done or where great delicacy and refinement of tint are desired, the more expensive processes of phototint and wood engraving are resorted to. Phototint is a variety of photoengraving and is suited only for the reproduction of originals of exceptional clearness and definition. The plates are mounted, electros are

made, and these are used in printing as in the case of photoengravings.

g. Wood engraving is four or five times as expensive as the phototint work, but is capable of reproducing originals where the other processes would fail and of giving a degree of refinement and definition quite beyond their reach. Originals can be enlarged or reduced in photographing upon the wood, and the work may be carefully retouched upon the block before it is given into the engraver's hands.

h. Chromolithography is employed for the reproduction of colored plates and maps. Originals should be carefully prepared and should indicate the result as clearly as possible; but as much of the engraving is done by hand a high degree of finish is not required. In maps and diagrams color areas should be clearly defined, and all titles, scales, and legendary matter should be fully indicated and properly distributed. Photographic prints of landscapes, objects, etc., should be as clear and distinct as can be obtained. When practicable the negatives should be furnished to the office, in order that prints may be so developed as to bring out the essential features with the utmost clearness. It is difficult to prepare illustrations from photographs where enlargements are to be made. It is desirable that the photographer in making exposures should use plates at least as large as the printed illustrations desired. Where a private firm is employed to make photographs, the negatives should be secured. If this cannot be done, a number of prints should be obtained.

i. Illustrations must not be used for mere embellishment. Each illustration should have a certain purpose in the expression of scientific facts germane to the subject discussed by the author. Before turning over to the editorial division papers intended for publication, the author should confer with the chief of the illustration division, in order to explain more fully his drawings and his desires in regard to the preparation of the same. It is very frequently a most difficult matter to explain technical drawings by correspondence, and it sometimes happens that the author cannot be reached, even by letter, at a time when his views or instructions are absolutely essential to the proper treatment of the illustrations. In any case, written instructions should accompany each illustration. These instructions should clearly state the author's name, the work for which they are intended, the scale, and the number of the plate or figure, and should minutely elucidate the points that require especial attention on the part of the artist and engraver.

j. A list of illustrations with suitable legends for all the plates and figures should accompany the drawings, and every plate and figure should be distinctly referred to in the text.

k. Proofs of illustrations are received through the Public Printer, usually in triplicate. These, after being stamped "first proof," "duplicate first proof," and "triplicate first proof," are entered in the miscellaneous files, receiving a current number, and then referred to the chief of the

division of illustrations for action. Corrections made in that division will be entered upon the sheet marked "first proof." When considered desirable by the chief of this division his corrections will be placed on the first proof before it is sent to the author for criticism. When an author receives the first proof and the duplicate first proof he should retain the latter for his own use, in which case it will be well for him to transfer the corrections made in this office to the sheet he retains. After marking upon the first proof such corrections as may be called for and adding, in connection with the corrections already made by the chief of the division of illustrations, such criticism as he may wish to make, the first proof will be returned to the Director of the Survey. If the corrections made are such as to render a second proof necessary the Public Printer will be requested to furnish one, when a similar course will be pursued to that followed in the case of a first proof. Upon each proof will be stamped "Read and approved by —," and "Read and disapproved by —," after one or the other of which statements each person reading the proof will write his initials.

l. It is necessary that the scheme of colors adopted by the Survey (see Second Annual Report, pp. xlix et seq.) should be followed, and authors when preparing copy for maps should keep this fact in mind. Deviations from this scheme will be corrected by the chief of the division of illustrations.

m. Extensive corrections should be reduced to writing and only indicated upon the proof itself by number or otherwise, and all corrections that are placed upon the proof should be neatly and clearly made.

n. Correspondence relating to illustrations shall issue from and be addressed to the Director of the Survey.

o. The official approval of the Director will be placed upon the proofs only after they have received the approval of the chief of the division of illustrations.

References to illustrations.

37. In referring to a figure which occurs on a plate, specify the plate thus: Pl. XIV, Fig. 2. Where many references occur in close connection and the context is such as to preclude ambiguity the indication of plate need not be repeated. The text should contain a distinct reference to every illustration accompanying the paper; in the list of illustrations furnished with the copy the wording should conform strictly to the legends accompanying the illustrations themselves. If the text figure and the related text are not in close connection make reference to the page on which the figure occurs.

How to cite books and papers.

38. While absolute uniformity in making foot-note references is not attainable (nor, in view of the different purposes for which such references are made, always desirable), it is hoped that agreement may be

secured in the absence of a reason for variation, and the following examples are given as aids towards securing this:

A. BOOKS NOT FORMING PART OF A SERIES.

Give short titles in full, and abridge long ones if thought desirable, indicating omissions in the title by three dots, thus: . . . Follow the title with the name of the author, if not already given, and then add the following information in the order here set down: Number of volume, if the work consists of more than one volume; number of parts, if divided into parts; place of publication; date; page cited. Capitalize and punctuate as in the examples here given:

Manual of Geology, . . . by James D. Dana, 2d ed., New York, 1875, p. 79.

Recherches géologiques dans les parties de la Savoie, du Piémont et de la Suisse voisines du Mont Blanc, par Alphonse Favre, vol. 1, Paris, 1867, p. 163.

Gangstudien oder Beiträge zur Kenntniss der Erzgänge, hrsg. von Bernhard Cotta, vol. 1, Freiberg, 1850, p. 30.

In the first of the above cases, with the liberty of abridging a well known title, is taken the liberty of altering the punctuation of the original to suit the abridged form; and the other statements on the title page (the titles of other works by the same author, the legends, and the statement respecting the number of illustrations in the volume) are omitted. Principal words of the title are capitalized.

In the second, punctuation is supplied in the case of a title printed without any and the designation of the volume is in English instead of French. Principal words of the title are not capitalized.

In the third, German substantives are capitalized and the designation of the volume and the page is in English.

In all three the size of the volume, whether illustrated or not, and the number of volumes composing the work are ignored. It is conceived that this information is not needed except in work somewhat bibliographical in its nature, which class is not embraced within the purview of these suggestions.

B. SERIALS, WITH LIST OF ABBREVIATIONS.

In citing papers follow the title (full or abridged, but if abridged without indication thereof) with the name of the author, if not already given in the text or in the title of the paper, and then add the following information in the order here set down: Title of serial publication, as abridged in the following list; number of series; number of volume; number of part or other division, if any; date of imprint; page cited.

Examples:

The topographic features of lake shores, G. K. Gilbert: Fifth Ann. Rept. U. S. Geol. Survey, 1885, p. 75.

Mineral springs of the United States, A. C. Peale: Bull. U. S. Geol. Survey No. 32, 1886, p. 20.

The manufacture of coke, Jos. D. Weeks: Mineral Resources U. S. 1886, 1887, p. 104.
 Volcanic eruptions of Hawaii, James D. Dana: Am. Jour. Sci., 2d series, vol. 10, 1850, p. 235.

Mémoire sur le platine des Alpes, É. Gueymard: Bull. Soc. géol. France, 2d series, vol. 12, 1855, p. 429.

Ueber aromatische Bleiverbindungen, A. Polis: Ber. Deutsch. chem. Gesell., Berlin, 20. Jahrgang, No. 18, 1887, p. 3331.

In citing little known or unusual serials give tolerably complete titles or full ones; in other cases short titles may be preferred. If short titles are used, abridge and abbreviate them as below, treating similarly any cases not embraced in the present list.

Abhandl. K. Akad. Wiss. zu Berlin.

Abhandl. K.-k. geol. Reichsanstalt, Wien.

Jahrbuch K.-k. geol. Reichsanstalt, Wien.

Verhandl. K.-k. geol. Reichsanstalt, Wien.

Abhandl. Math.-phys. Classe Gesell. Wiss., Leipzig.

Abhandl. Naturf. Gesell. zu Halle.

Sitzungsber. Naturf. Gesell. zu Halle.

Abhandl. Naturwiss. Ver. zu Bremen.

Academy, London.

Acta Univ. Lundensis.

Actas Acad. nac. cien. en Córdoba (Rep. Argen.).

Boletin Acad. nac. cien. en Córdoba (Rep. Argen.).

Actes Soc. helv. sci. nat.

Actes Soc. Linn. Bordeaux.

Allg. berg- und hüttenm. Zeitung, new series.

Allg. deutsche naturh. Zeitung.

Allg. Jour. Chemie, Scherer.

a. Neues allg. Jour. Chemie, Gehlen.

b. Jour. für Chemie, Gehlen.

c. Jour. für Chemie, Schweigger.

d. Jour. prakt. Chemie.

Almanach K. Akad. Wiss., Wien.

Anzeiger K. Akad. Wiss., Wien.

Denkschr. K. Akad. Wiss., Wien.

Alpina.

Am. Antiquarian.

Am. Chem. Jour.

Am. Chemist.

Am. Jour. Conchol.

Am. Jour. Sci., 1st series, etc.

Am. Mag.

Am. Meteor. Jour.

Am. Mineral. Jour.

Am. Naturalist.

Am. Polytech. Jour.

Am. Quart. Jour. Agric.

Amtl. Ber. Versamm. deutsch. Naturf.

Anales Museo nac. México.

Anales Soc. cien. argen.

Anales Soc. españ. hist. nat.

Anales Universidad Chile.

Analyst, London.

Analyst, Des Moines.

Annalen Berg- und Hüttenkunde, von Moll.

Annalen Chem. und Pharm.

Annalen der Physik, Gilbert.

Annalen der Physik, Gren.

Annalen der Physik, Wiedemann.

Annales de chimie, Paris.

Annales des mines, Paris.

Annales Musée Guimet, Paris.

Annales Musée roy. d'hist. nat. Belgique.

Annales Muséum d'hist. nat., Paris.

Archives Muséum d'hist. nat., Paris.

Mém. Muséum d'hist. nat., Paris.

Nouv. annales Muséum d'hist. nat., Paris.

Annales des ponts et chaussées, Paris.

Annales sci. géol., Paris.

Annales sci. nat., 2d series, Paris.

Annales Soc. entom. Belgique.

Annales Soc. entom. France.

Annales Soc. géol. Belgique.

Annales Soc. Linn. Maine et Loire.

Annales Soc. malacologique Belgique.

Annali Accad. aspir. nat.

Annali di chimica, Polli.

Annali Mus. civ. storia nat. Genova.

Annals Lyceum Nat. Hist. New York.

Annals Mag. Nat. Hist., London.

Annals New York Acad. Sci.

Trans. New York Acad. Sci.

Annals Philos., Thomson.

Annuaire Acad. roy. Belgique.

Bull. Acad. roy. Belgique.

Annuaire météor. France.

Annuaire pour l'année — Inst. météor. danois.

Anthrop. Jour., London.

- Anthropol. Review, London.
 Anzeiger K. Akad. Wiss., Wien.
 Almanach K. Akad. Wiss., Wien.
 Denkschr. K. Akad. Wiss., Wien.
 Appalachia.
 Archiv der Mathematik und Physik, Grunert.
 Archives Musée Teyler.
 Archives Muséum d'hist. nat., Paris.
 Annales Muséum d'hist. nat., Paris.
 Mém. Muséum d'hist. nat., Paris.
 Nouv. annales Muséum d'hist. nat., Paris.
 Archives sci. phys. et nat., Genève.
 Archiv für Bergbau, Karsten.
 Archiv für Chemie, Kastner.
 Archiv für gesam. Naturlehre, Kastner.
 Archiv für Mineral., Karsten.
 Archiv für Naturgesch., Wiegmann.
 Archives Museu nac. do Rio de Janeiro.
 Athenaeum, London.
 Atti Accad. gioenia sci. nat. in Catania.
 Atti Accad. nuovi Lincei, Roma.
 Atti Reale accad. Lincei, Roma.
 Atti Reale ist. d'incoraggiamento Napoli.
 Atti Soc. elvet. sci. nat.
 Beiblätter Annal. Physik und Chemie.
 Beitr. Mineral., Klaproth.
 Berg- und hüttenm. Zeitung, old series.
 Ber. Deutsch. chem. Gesell., Berlin.
 Ber. Math.-phys. Classe Gesell. Wiss. zu Leipzig.
 Ber. Oberhess. Gesell. Naturkunde.
 Ber. Polytechn. Gesell. zu Berlin.
 Verhandl. Polytech. Gesell. zu Berlin.
 Bihang till kongl. svensk. Vet.-Akad. Handl.
 Kongl. svensk. Vet.-Akad. Handl.
 Öfversigt kongl. svensk. Vet.-Akad. Förhandl.
 Boletin Acad. nac. cien. en Córdoba (Rep. Arg.).
 Actas Acad. nac. cien. en Córdoba (Rep. Arg.).
 Boletin Soc. geogr. Madrid.
 Bonplandia.
 Boston Jour. Nat. Hist.
 Botan. Zeitung, Berlin.
 Bull. Acad. roy. Belgique.
 Annuaire Acad. roy. Belgique.
 Bull. Acad. sci. Bruxelles (or Belgique, as the case may be).
 Mém. Acad. sci. Bruxelles (or Belgique, as the case may be).
 Bull. Am. Geogr. Soc. No. — for 1852, etc.
 Jour. Am. Geogr. Soc.
 Proc. Am. Geogr. Soc.
 Bull. Am. Mus. Nat. Hist.
 Bull. Buffalo Soc. Nat. Sci.
 Bull. California Acad. Sci.
 Mem. California Acad. Nat. Sci.
 Proc. California Acad. Nat. Sci.
 Bull. Cornell Univ.
 Bull. Denison Univ.
 Bull. Des Moines Acad. Sci.
 Bull. Essex Inst.
 Hist. Coll. Essex Inst.
 Proc. Essex Inst.
 Bull. Illinois State Mus. Nat. Hist.
 Bull. Mus. Comp. Zoöl. Harvard Coll.
 Bull. National Inst. Prom. Sci.
 Bull. New Brunswick Nat. Hist. Soc.
 Bull. Philos. Soc. Washington.
 Bull. sci. Acad. imp. sci. St.-Petersbourg.
 Compte rendu Acad. imp. sci. St.-Petersbourg.
 Mém. Acad. imp. sci. St.-Petersbourg.
 Bull. sci., hist. et lit. Nord.
 Bull. Sedalia Nat. Hist. Soc.
 Bull. Soc. d'anthropologie Paris.
 Mém. Soc. d'anthropologie Paris.
 Bull. Soc. belge géographique.
 Bull. Soc. bot. France.
 Bull. Soc. chimique, Paris.
 Bull. Soc. géographie, Paris.
 Bull. Soc. géographique, Lyon.
 Bull. Soc. géol. France.
 Bull. Soc. d'hist. nat. Toulouse.
 Bull. Soc. imp. des naturalistes Moscou.
 Bull. Soc. Linn. Nord France.
 Bull. Soc. philom. vosgienne.
 Bull. Soc. sci. hist. et nat. Semur.
 Bull. Soc. sci. nat. Neuchatel.
 Bull. Soc. zool. France.
 Bull. U. S. Geol. Survey No. —.
 First Ann. Rept. U. S. Geol. Survey.
 Second Ann. Rept. U. S. Geol. Survey.
 Mon. U. S. Geol. Survey No. —.
 Mineral Resources U. S. 1882, etc.
 Bull. U. S. Nat. Mus. No. —.
 Proc. U. S. Nat. Mus.
 Bull. Washburn Coll.
 Bull. Washington Philos. Soc.
 Canadian Jour.
 Canadian Naturalist.
 Canadian Rec. Sci.
 Chemical Gazette.
 Chemical News, London.
 Chemical News, New York.
 Chem. Zeitung.
 Chemist, London.
 Cincinnati Quart. Jour. Sci.
 Civil Eng. and Arch. Jour., London.

- Coll. Minnesota Hist. Soc.
 Coll. New York Hist. Soc.
 Compte rendu Acad. imp. sci. St.-Pétersbourg.
 Bull. sci. Acad. imp. sci. St.-Pétersbourg.
 Mém. Acad. imp. sci. St.-Pétersbourg.
 Comptes rendus Acad. sci., Paris.
 Comptes rendus Soc. d'ethnographie amérie. et orient., Paris.
 Congrès scient. France.
 Correspondenzblatt Deutsch. Gesell. für Anthropologie.
 Versamml. Deutsch. Gesell. für Anthropologie.
 Correspondenzblatt Naturh. Ver. preuss. Rheinl. und Westfalens.
 Sitzungsber. Naturh. Ver. preuss. Rheinl. und Westfalens.
 Verhandl. Naturh. Ver. preuss. Rheinl. und Westfalens.
 Cosmos, Paris.
 Cosmos, Torino.
 Denkschr. K. Akad. Wiss., Wien.
 Almanach K. Akad. Wiss., Wien.
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