

Resources to aid in finding older engineering references

Librarians have increased access to the literature of the 20th century via retrospective digitization projects that have digitized classic indexes back to their beginnings such as:

- The Engineering Index is available online from v.1 (1884).
- Chemical Abstracts covers from 1904-date.
- INSPEC (Science Abstracts) 1898-date.
- Applied Science and Technology Index (Industrial Arts index) 1913-date.
- U.S. patents
- Index of NACA technical publications, 1915-1958
- Making of America books
- Google books

Despite access to these and other digital products and projects, researching the literature of 19th century science and technology remains a challenge. Variants in terminology, the prevalence of non-English languages to communicate advances, and lack of indexing all challenge researchers.

INDEXES – GENERAL AND SPECIALIZED

19th Century Masterfile. (based on Poole's Index to Periodical Literature. 1802-1906) [Online at <http://poolesplus.odyssey.com>] Includes: *Catalogue of Scientific Papers Series I--IV 1800-1900*; *Catalogue of Scientific Papers Subject Indexes*; *Cumulative Index to a Selected List of Periodicals; 1896-1899.*

Royal Society of London's *Catalog of scientific papers, 1800-1900.*

An author index to scientific papers contained in the transactions of societies, journals, and other periodical works. Continued by the *International catalogue of scientific literature, 1901-1914.* [Online: <http://gallica.bnf.fr/ark:/12148/cb37572040c/date>]

Repertorium commentationum a societatis litterariis editarum. By J D Reuss. Index to articles in publications of scientific societies between 1665 and 1800. 16 topical volumes – v.3 and v.7 are the most engineering related. [Online: <http://www-gdz.sub.uni-goettingen.de/cgi-bin/digbib.cgi?PPN366452967>]

Repertorium der technischen literatur. 1823-1908. Prussia. Ministerium für Handel, Gewerbe und öffentliche Arbeiten. Continued by *Fortschritte der technik.* 1909-1910.

Repertorium der technischen, mathematischen und naturwissenschaftlichen journal-literatur (1869-1871), by F. Schotte. Arranged by subject with author/subject index; primarily European sources.

Biographisch -- literarisches Handwörterbuch zur Geschichte der exakten Wissenschaften. by J. C. Poggendorff. covers 1858+ Arranged by author.

General index to engineering periodicals. By Francis Galloupe. 2 v. Covers 1883-1892.

Index to Engineering News and American Railway Journal. 1874-1917.
(online at <http://www.lindahall.org/services/digital/engineering.shtml>)
[Compendex indexed Engineering News but not comprehensively.]

Index of the American Railway Master Mechanics' Association Proceedings. V.1-33 (covers 1868-1900)
(online <http://www.lindahall.org/services/digital/engineering.shtml>)

General and analytical index [to] publications of the American Institute of Mining and Metallurgical Engineers. Volumes cover from 1871-1935.

The Engineer[magazine] index 1856-1959. Compiled by C.E. Prockter. Morgan Bros., 1964.

Transactions of the North of England Institute of Mining Engineers: general index v.1-17 1852-1868.

Subject index to unclassified ASTIA documents. U.S. Dept. of Commerce, 1960. Covers early AD technical reports).

Bibliography of scientific and industrial reports (1946-1949); Bibliography of technical reports (1949-1954); U.S. Government research reports (1954-1964); etc. Index to early PB reports.

Air University Library Index to Military Periodicals. 1949+. Online (1988+ only):
<http://www.dtic.mil/dtic/aulimp/>

World List of Scientific Periodicals published in the years 1900-1960. (multiple editions) Edited by Peter Brown and George Burder Stratton. Butterworths.

BIBLIOGRAPHIES – GENERAL AND SPECIALIZED

A list of bibliographies of special subjects. The John Crerar library, Chicago, 1902. Arranged by subject. Includes lists of other indexes to the scientific literature as well as specialized bibliographies.

Early periodical indexes : bibliographies and indexes of literature published in periodicals before 1900. By Robert Balay. Scarecrow Press, 2000.

Lasteyrie, Robert de. *Bibliographie generale des travaux historiques et archeologiques publies par les societies savantes de la France, dressee sous les auspices du Ministere de l'instruction publique.* Paris. 1888-1916.

An index to matter pertaining to sewerage and sewage disposal in volumes 5-17 (December 1881-June 1888) of the Engineering and building record (prior to 1887, The Sanitary engineer) Compiled by Dana C. Barber. New York, Engineering & Building Record, 1889.

Index of mining engineering literature : comprising an index of mining, metallurgical, civil, mechanical, electrical and chemical engineering subjects as related to mining engineering. By Walter R. Crane. Wiley, 1912.

Sources of information on military professional subjects : A classified list of books and publications. Government Printing Office, 1898.

Bibliography and abstracts on thermostat metals, 1806-1959. ASTM, 1961.

Catalog of books and reports in the Bureau of Mines Technical Library. USBM, 1968.