

Computer-assisted production of bibliographic databases in history *

Joyce Duncan Falk

Director, American Bibliographical Center and executive editor of Historical abstracts

A computerized text processing system is used to produce printed and online versions of the bibliographic databases in history, Historical abstracts (HA) and America: history and life (AHL). Abstracts or citations of books, articles, and dissertations are edited, subject-classified, and subject- and author-indexed. The American Bibliographical Center's Subject Profile Index (SPIndex) is a computer-assisted, rotated string index; the vocabulary is a combination of natural language key words and preferred subject headings selected by editor-indexers. The processing system comprises keyboarding, extraction of index terms, expansion of abbreviated index terms to full text, file correction, sorting, and photocomposition of pages. Files of bibliographic entries are sorted for use in one or more databases, and annual index files are merged to produce cumulative indexes.

Introduction

Historical Abstracts (HA) and America: History and life (AHL), the abstracting-indexing services for the field of history, are produced in printed and online versions via a computerized text processing system. The publisher, ABC-Clio, Inc., was one of the first organizations to use computer processing for a database in the humanities. HA and AHL, the first humanities databases publicly available online, were added to Lockheed's DIALOG Information Retrieval Service in 1977. Of the total of 243,000 bibliographic entries in the two databases, about 175,000 are available online and some 30,000 current entries are added annually. Originally covering only periodical literature, the databases now include entries for books and dissertations as well.

Subject Scope

*HA, founded in 1954, covers world history of the period 1450 to the present (except the United States and Canada). It is published in two parts: Part A, *Modern History Abstracts (1450-1914)* and Part B, *Twentieth-**

Century Abstracts (1914-present). The two parts are merged to form a single online file (DIALOG file 39).

*AHL covers the history of the United States and Canada, prehistory to the present. The printed version is published in four parts: Part A, *Article Abstracts and Citations*; Part B, *Index to Book Reviews*; Part C, *American History Bibliography (Books, Articles, and Dissertations)*; and Part D, *Annual Index*. The online version is a single file (DIALOG file 38).*

HA and AHL concentrate on the literature of the field of history and include all varieties of history from traditional political and diplomatic history to current trends in psychohistory, public history, family history, and popular culture. These publications also include material from the related social sciences and humanities. They are, therefore, basic, comprehensive bibliographies for history and supplemental bibliographies for the social sciences, humanities, and interdisciplinary studies.

Bibliographic Entries

Four kinds of bibliographic entries appear in HA and AHL: abstracts or annotations of articles in periodicals and collections (anthologies, mélanges, festschriften), citations of books, citations of dissertations, and brief descriptions of journals of limited subject matter, especially local history.

Entries for articles constitute the majority of the databases. About 70% of the entries added to HA and AHL in 1980 are article entries, selected from approximately 50 collections per year and 2,000 journals published throughout the world.

Book entries are derived from book reviews in 140 journals representative of the various types of history, geographical regions, and book review journals. In addition to listing books on US and Canadian history and culture, AHL indexes reviews of those books. About 17% of the 1980 entries are book citations.

*Dissertation entries are selected from nearly all sections of *Dissertations Abstracts International* and from a few other sources, and are indexed on the basis of the abstract provided in those sources. Dissertations make up about 11.5% of the entries in 1980 issues of HA and AHL.*

*Text of the address given to the Second International Conference on Data Bases in the Humanities and Social Sciences, Madrid, 16-19 June 1980.

Journal profiles, entries for about 300 journals of highly specialized or local subject matter, consist of the journal title, editor, address, frequency, and a brief description of the subject content of the journal. About 1.5% of 1980 entries are journal profiles.

The language of HA and AHL is English but the original, non-English article, book, dissertation, and journal titles are included. Titles of articles, books, and dissertations are translated into English.

The bibliographic entries are produced by an international group of some 500 volunteer abstracters and free-lance bibliographic assistants from the history and library professions. Additional entries are written in-house by American Bibliographical Center (ABC) editors. The ABC library acquires and processes the source journals and the bibliographic entries. A staff of subject-specialist editor-indexers, including four in an adjunct office in Oxford, England, and data processing professionals prepare the entries for printed and online publication.

Editing

Each article, book, dissertation, or journal entry is coded for listing in HA, AHL, or both, depending on its subject matter. Entries are edited, classified, and indexed in a single step ('one-time analysis').

The American Bibliographical Center's Subject Profile Index (ABC-SPIndex) is a computer-assisted, rotated string index [1]. Its vocabulary is a combination of natural language keywords and preferred subject headings. ABC-SPIndex terms are selected by editors by three means: (1) Key words or phrases in titles and abstracts are tagged and then extracted during computer processing to become part of the index string; (2) independent terms may be written onto the entry form by editors and keyboarded in full text; (3) abbreviations are selected from a preferred subject heading list of some 1900 terms, written onto the entry form (see figure 1), and keyboarded; the abbreviations are later translated by the computer to full-text words and are joined with terms from the other two sources to form the string of index terms for the individual bibliographic entry.

Any or all of the three methods may be used to denote the index terms for a bibliographic entry. About 50% of the index terms are tagged terms, about 20% are independently added full-text words or phrases, and about 30% are subject headings. The preferred subject headings actually have a higher representation, however, because tagged terms can be identical to those headings and the abstract text can be altered to conform to them. All three types of terms are merged to form the individual index string—the index entry—for each bibliographic entry.

A few general rules, numerous rules specific to the

subject matter, and several authority devices are used to maintain control and consistency in the indexing. The basic rule is to index at the level of specificity of the original document or abstract—to use the most specific term applicable. The authority controls are the see-reference list or list of prohibited terms, the list of preferred subject headings, the previous annual index of the particular publication, and a file of authority cards that record scope notes and decisions about the form of entry for people, events, and subjects that have several possible names.

The index entry thus composed is a string of several (average 3.7) subject, biographic, and geographic descriptors followed by a chronologic descriptor—a date or set of dates identifying the time period as specifically as possible—and the reference number of the bibliographic entry. The entries in the online databases carry these terms in the descriptor field. To our knowledge, ABC-SPIndex was the first index to include chronologic descriptors in every index entry—a feature especially useful in the field of history.

In the printed publications, the string of terms is rotated so that the entire string—the subject profile—of the book, article, dissertation, or journal appears as many times as there are terms. (The chronologic descriptor and the reference number do not rotate but always appear as the last two terms in the string.)

American Revolution. Allen, Thomas. New England.
1774-77. 15A:757
and
Allen, Thomas. American Revolution. New England.
1774-77. 15A:757
and
New England. Allen, Thomas. American Revolution.
1774-77. 15A:757

The terms in the index string in the printed index sort alphabetically following the leading term; that is, instead of strictly rotating the terms, the program actually re-sorts them at each appearance so that the second and following terms are in alphabetical order within the string.

An added feature of the indexing online, beginning with 1979 volumes, is a second date term that is in a standard format of decades and centuries. During computer processing the original specific dates of the subject of the entry, that is, the chronologic descriptor supplied by the editor in a wide variety of combinations of numerals, are converted to the standard format. For example, the date originally indexed and input as 1815-32 is translated to 1810D, 1820D, 1830D, 1800H (D means decade, H means hundreds). Similarly, an article on the period 17th-19th centuries is originally indexed as 17c-19c and translated to the standardized format 1600H, 1700H, 1800H.

Screening Code A	ABSTRACT FORM <small>See Abstracting Instructions for detailed explanation</small>		Date SEP 10 1980
Change to			FOR OFFICE USE Classification Code A AA 326
Copy	Author Last Name, First Name, Middle Name C,D Jervey, Edward D.		Abstract Number B 324201
Title of Article E	HENRY L. MENCKEN AND AMERICAN METHODISM		
Translation of Title F			
Journal G	Year 1978	Vol. 12	Number (1) Pages 75-87
	Country	Use arabic numbers only	
Abstract (double space) H	<p>Believing that organized religion was a threat to individual freedom, <u>methodists</u> in particular became a favorite target for the acid pen of <u>Henry L. Mencken</u> (1880-1956) from about 1910 through the end of prohibition. At times, the noted editor of <u>The American Mercury</u> (1924-33) included all fundamentalist denominations in his attacks, but he focused largely on the southern Methodist church, which he saw as responsible for the coming of prohibition and even the revival of the <u>Ku Klux Klan</u>. Primary and <u>illus.</u>, 70 notes.</p>		
Section H.P. Number	Abstracter I D.G. Nielson	Subject Heading Abbreviation Subject Heading Abbreviation with Modifier	
	X EDS. TEMP. X METHEP (South). Y American Mercury (periodical).	Independent Term added by Editor	
FOR OFFICE USE	Chronology Z 1910-1932	Chronologic Descriptor	

SAMPLE Edited, Classified, Indexed Abstract

Classification Code
A = publication
A = type of entry (article)
326 = section heading code

Tagged Terms for Index

Subject Heading Abbreviation
Subject Heading Abbreviation with Modifier

Independent Term added by Editor
Chronologic Descriptor

Figure 1. Editorial selection of ABC-SPindex terms.

SAMPLE KEYBOARDED ABSTRACT
Listed for Proofing

00001 XA AA326
 00002 XB 18A:4201.
 00003 XC Jervey, Edward D.
 00004 XE HENRY L. MENCKEN AND AMERICAN METHODISM.
 00005 XG J. of Popular Culture 1978 12(1): 75-87
 00006 XH Believing that organized religion was a threat to individual freedom,
 00007 Methodists in particular became a favorite target for the acid pen of <<H. L.
 00008 #Mencken> (1880-1956) from about 1910 through the end of prohibition. At times,
 00009 the noted editor of <<The American Mercury> (1924-33) included all
 00010 fundamentalist denominations in his attacks, but he focused largely on the
 00011 southern Methodist church, which he saw as responsible for the coming of
 00012 prohibition and even the revival of the <<Ku Klux Klan>. Primary and secondary
 00013 sources; illus., 70 notes.
 00014 XI D. G. Nielson
 00015 XX EDS. TEMP.
 00016 XX METHEP (South).
 00017 XY <<American Mercury> (periodical).
 00018 ZZ 1910-33.

Tagged Terms for Index

Subject Heading Abbreviation
 Subject Heading Abbreviation
 with Modifier

Independent Term Added by Editor
 Chronologic Descriptor

Figure 2. Proof copy of a bibliographic entry.

Beginning with volume 31 (1980), the HA online file will also list the original language of the article, book, or dissertation.

Processing

The text processing system used to produce HA and AHL for printed publication and online retrieval comprises keyboarding, extraction of index terms from the title and abstract, expansion of abbreviated index terms to full text, file correction, sorting, and photocomposition of camera-ready pages.

Edited, classified, and indexed bibliographic entries are keyboarded onto diskettes using stand-alone Compugraphic MDT-400 terminals. Batches of bibliographic entries are transmitted to an Interdata 7/16 minicomputer for storage, program checking, and printing of proof copy (see figure 2). After proofing and file correction, the bibliographic entries for an issue are sorted into their classified sequence and printed for editorial review. The proof copy and the editorial review copy contain all data, including indexing, for each bibliographic entry.

AMERICA: HISTORY AND LIFE

PART A: Article Abstracts and Citations

VOLUME 17A

NUMBER 2

1980

PART III: UNITED STATES OF AMERICA

National History (to 1945)

6. 1917-1945

A. General

Classification Heading

17A:4159. Jervey, Edward D. HENRY L. MENCKEN AND AMERICAN METHODISM. *J. of Popular Culture* 1978 12(1): 75-87. Believing that organized religion was a threat to individual freedom, Methodists in particular became a favorite target for the acid pen of H. L. Mencken (1880-1956) from about 1910 through the end of prohibition. At times, the noted editor of *The American Mercury* (1924-33) included all fundamentalist denominations in his attacks, but he focused largely on the southern Methodist church, which he saw as responsible for the coming of prohibition and even the revival of the Ku Klux Klan. Primary and secondary sources; illus., 70 notes. D. G. Nielson

Sample Abstract Entry

Sample Index Entries

→ *American Mercury* (periodical). Editors and Editing. Ku Klux Klan. Mencken, H. L. Methodist Episcopal Church (South). Temperance Movements. 1910-33. 4159
 American Missionary Association. Congregationalism. Negroes. South or Southern States. 1846-80. 5386
 American Revolution. Adams, Abigail. Letters. Massachusetts. Warren, Mercy Otis. Women. 1760's-80's. 3784
 American Revolution. Adams, John. France. Franklin, Benjamin. Treaties, Plan of. 1776. 3810

→ Kramer, Jerry (*Instant Replay*). Jenkins, Dan (*Semi-Tough*). Lewis, R. W. B. Popular Culture. Social Psychology. Sports. professional. 1968-72. 5067
 → Ku Klux Klan. *American Mercury* (periodical). Editors and Editing. Mencken, H. L. Methodist Episcopal Church (South). Temperance Movements. 1910-33. 4159
 Ku Klux Klan. Fowler, Charles Lewis. Georgia (Atlanta). Lanier University. 1917-22. 5425
 Kuhn, Thomas S. Education (history of). Foucault, Michel. Levi-Strauss, Claude. Models. Structuralism. 1890-1920. 4055

→ Editors and Editing. *American Journal of Science and the Arts* (periodical). Letters. Science. Silliman, Benjamin. Yale University. 1818-27. 3889
 → Editors and Editing. *American Mercury* (periodical). Ku Klux Klan. Mencken, H. L. Methodist Episcopal Church (South). Temperance Movements. 1910-33. 4159
 Editors and Editing. Anarchism and Anarchists. *Liberty* (periodical). Tucker, Benjamin. 1881-1908. 4117
 Editors and Editing. *Atlantic Monthly*. Human Relations. Lowell, Amy. Poetry. Sedgwick, Ellery. 1910-25. 4432
 Editors and Editing. Brigham Young University. Colorado. Hafen, Leroy R. History Teaching. State Historical Society of Colorado. Western States. 1920's-71. 5657

→ Men. California. Gold Rushes. Women, absence of. 1849-50's. 5828
 Men. Catholic Church. Clergy. Religious Orders. Social classes. Women. 1650-1762. 3416
 → Mencken, H. L. *American Mercury* (periodical). Editors and Editing. Ku Klux Klan. Methodist Episcopal Church (South). Temperance Movements. 1910-33. 4159
 Mendeleev, Dmitri. Centennial Exposition of 1876. Oil Industry and Trade. Pennsylvania (Philadelphia). Russia. Science. 1876. 3962
 Mennonites. Arapaho Indians. Haury, Samuel S. Indian Territory. Letters. Missions and Missionaries. 1876-80. 3249

→ Methodist Episcopal Church. Chippewa Indians. Documents. Fullerton, Thomas. Indians. Missions and Missionaries. 1841-44. 3245
 Methodist Episcopal Church. Heresy. Kansas. Lowher, Granville. Trials. 1886-1902. 3709
 Methodist Episcopal Church (General Conference). Abolition Movement. Cass, William D. Letters. 1844. 3937
 → Methodist Episcopal Church (South). *American Mercury* (periodical). Editors and Editing. Ku Klux Klan. Mencken, H. L. Temperance Movements. 1910-33. 4159

→ Television, interactive cable. City Government. Social Policy. 1960's-70's. 5181
 Television, prime-time. Sex. Violence. 1975-78. 5083
 → Temperance Movements. *American Mercury* (periodical). Editors and Editing. Ku Klux Klan. Mencken, H. L. Methodist Episcopal Church (South). 1910-33. 4159
 Templin, Terah. Clergy. Kentucky. Presbyterian Church. 1780-1818. 5508
 Tennessee. Ackland, William Hayes (account). Belmont (estate). 1855-67. 5547

Figure 3. A sample printed abstract and sample cuts from six printed index pages where the abstract is indexed.

At the same time, the author index is formed and the rotated subject index is produced by merging the terms expanded from abbreviations, terms extracted from the bibliographic entries, and natural language terms added by the editor. At this point, too, the chronologic descriptors, which are the specific dates stated in a variety of formats, are translated into standard formats of decades and centuries for easier online searching. The standardized chronologic descriptors are present only in the online version of the publications.

The index is edited for errors or inconsistencies, and corrections are transferred to the bibliographic entries so that the integrity of the database is maintained for use in other publications and online searching. Any change in the classification of an entry requires resorting the file of bibliographic entries and formation of a new index. The final files of bibliographic entries and indexes are sent to the typesetter on magnetic tape for photocomposition (see figure 3).

Issue indexes are merged to produce the annual index for a volume. The individual index terms, rather than the fully rotated strings, are first merged and printed as a 'leading-term' listing for editorial review and correction. Inconsistencies and variations among the individual issues are noted and resolved on this leading-term listing.

Cross-references are inserted by a combination of computer processing and manual editing. The subject heading file, which includes see-also references, is used to print a see-also control list, a list of all terms to which a see-also reference could be generated by the system. The editors compare the control list against the index leading term list and delete from the control list those terms not present in the index. The computer system then eliminates all see-also references to those terms, and merges the remaining see-also references with the rotated index strings. The separate file of see-references is also merged with the index. The final index listing is checked and corrected, and the annual index tape is produced for photocomposition. Future five-year indexes will be compiled in a similar manner by merging volume indexes, then editing them.

Processing also includes sorting the entries for use in one or more databases. For example, AHL is published in four interrelated parts and is a single file online. AHL *Part A, Article Abstracts and Citations* contains abstracts and annotated entries for periodical literature, together with subject and author indexes. The bibliographic citations from Part A—that is, the basic bibliographic data without the annotations—are transferred to another file for later use in AHL *Part C, American History Bibliography*. An entirely separate work stream produces AHL *Part B, Index to Book Reviews*, which is organized alphabetically by book author, and includes author, title, and publication data for the book followed by review data: journal title,

volume, data, page numbers, and reviewer name. The book review index file is re-sorted, creating a new file of bibliographic entries for books (without review data). This time the file is sorted by classification code and thus is arranged according to the same subject classification scheme as Part A. This books-by-classification file is then merged with the Part A file of bibliographic citations of articles and a file of dissertation entries to form AHL *Part C, American History Bibliography*—a bibliography of books, articles, and dissertations (with no annotations or other added data). (See figure 4 for a flow chart and figure 5 for sample entries.)

The A, B, and C files are used to create a cumulative index to all three parts, called *Part D, Annual Index*. It includes the subject index (ABC-SPIndex) (see figure 6), author index, book title index, book reviewer index, and a list of periodicals.

The Part A files are further used as the source for bibliographies of abstracts on special topics in United States and Canadian history published as separate volumes in the Clio Bibliography Series. An editor selects the abstracts, receives a printout of them, complete with the indexing terms, and marks 'corrections'. Corrections constitute revision of the indexing and re-classification of the abstracts according to the new classification scheme designed for the special topic. These selected abstracts with revised indexing and classification form a new file used to produce camera-ready pages for publication. Printed volumes and machine-readable files have been produced on such topics as women in American history and the American and Canadian West.

ABC-SPIndex has also been used for the production of cumulative indexes to earlier volumes of HA and AHL. First, volumes 6-10 of AHL and then, volumes 16-20 of HA, originally indexed via a computer-assisted but more traditional hierarchical indexing system, were entirely re-indexed according to ABC-SPIndex. The new, improved indexing of the bibliographic entries in these volumes will be added to the entries in the online file.

HA and AHL are still labour-intensive publications. Computerization of some of the processes has added expense without decreasing labour costs, but has made possible the production of a variety of publications from the databases and a highly specific, informative index that could not have been produced without the aid of the computer.

Reference

1. Joyce Duncan Falk, 'Controlled and Free Vocabulary Indexing of the ABC-Clio Databases in History,' in *Data Bases in the Humanities and Social Sciences: Proceedings of the IFIP Working Conference . . . , Dartmouth College, Hanover, N.H., 23-24 August 1979* (Amsterdam: North Holland, 1980), pp. 309-313.

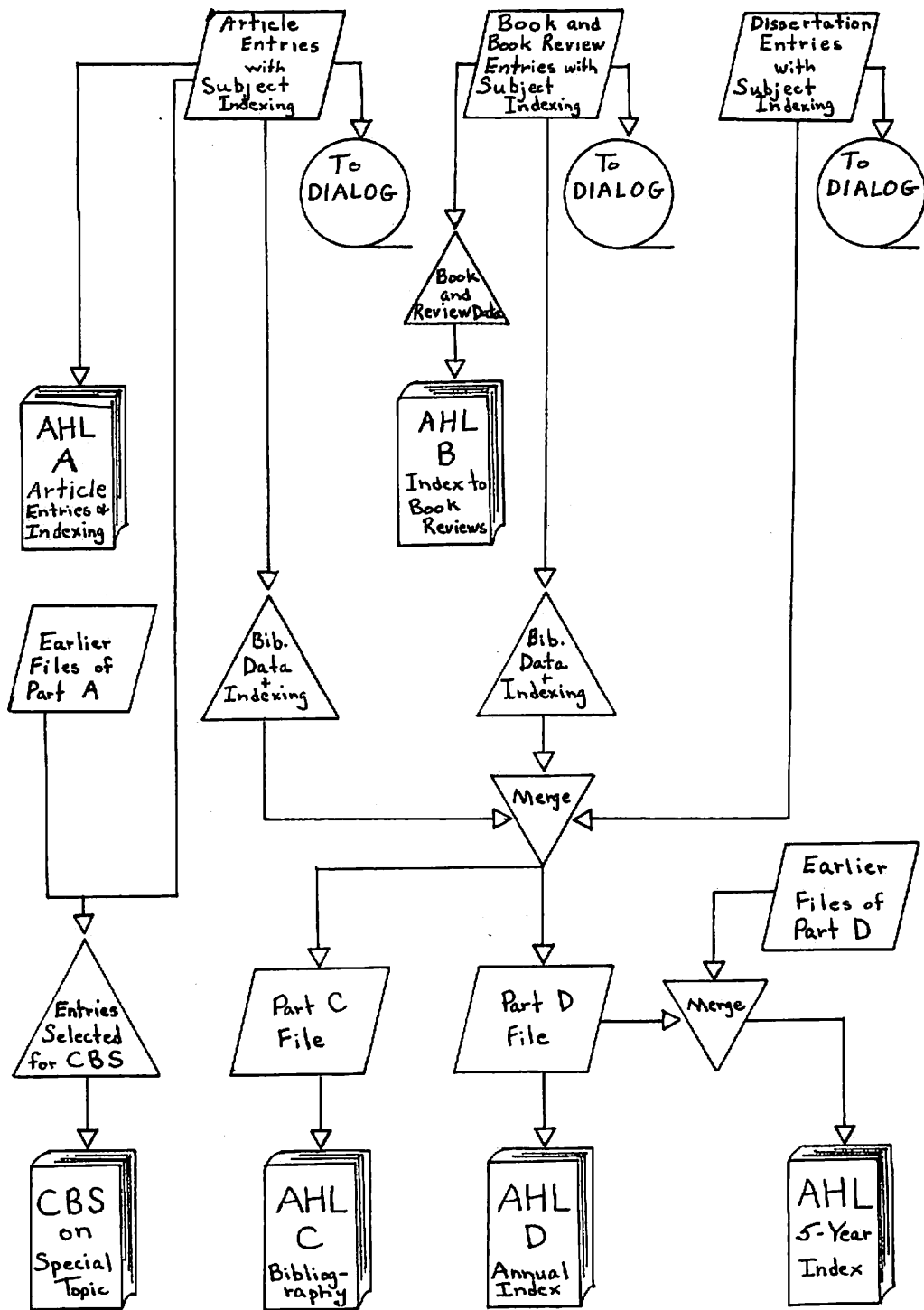


Figure 4. Outline of production: several publications from the *America: History and Life* database (after editing, keyboarding, and initial processing).

Part A, Article Abstracts and Citations - sample entries from three issues

16A:2545. Taylor, Morris F. SPRUCE MC COY BAIRD: FROM TEXAS AGENT TO NEW MEXICO OFFICIAL, 1848-1860. *New Mexico Hist. Rev.* 1978 53(1): 39-58. The state of Texas claimed all territory up to the Rio Grande River. Many people living in the territory opposed becoming a part of Texas. A small group of Texans arrived in Santa Fe on the evening of 10 November 1848. Included in the group was red-headed Spruce McCoy Baird, Kentucky-born and 34 years old. Baird believed that slavery was not a matter of great concern to most New Mexicans. 67 notes. J. H. Krenkel

16A:5521. Strout, Clevy Lloyd. THE RESETTLEMENT OF SANTA FE, 1695: THE NEWLY FOUND MUSTER ROLL. *New Mexico Hist. Rev.* 1978 53(3): 261-270. Many previously obscure details of the Juan P ez Hurtado expedition of 1695 are brought to light by document number 215, housed in the Thomas Gilcrease Institute of American History and Art in Tulsa, Oklahoma. There are important genealogical and demographic implications of this newly discovered document. Map, 8 notes. J. H. Krenkel

16A:8095. Swadesh, Frances Leon. ARCHAEOLOGY, ETHNOHISTORY AND THE FIRST PLAZA OF CARNUEL. *Ethnohistory* 1976 23(1): 31-44. Combining the archaeological techniques of excavation and analysis of material remains with the ethnohistorical techniques of collecting and analyzing archival and oral records is strategic for understanding historic sites, but demands caution because of the fragmentary nature of data. Problems inherent in the combined strategy appear in attempts to refer data from a site east of Albuquerque, New Mexico to the archival and oral data on the Carnuel settlement. J

Part B, Index to Book Reviews sample entries from two issues

16B:1673
 Simmons, Marc. *New Mexico: A Bicentennial History*. States and the Nation Series, James Morton Smith, ed. New York: Norton; Nashville, Tenn.: Am. Assoc. for State and Local Hist., 1977. 207 pp.
J. of Am. Hist. 65 (June 78) 187-188. Larson, Robert W. *Western Hist. Q.* 9 (July 78) 355. Ellis, Richard N.

16B:4071
 Theisen, Gerald. *A Study Guide to New Mexico History*. Santa Fe: Mus. of New Mexico, Edu. Division, 1976.
New Mexico Hist. Rev. 54 (Jan 79) 73-74. Miller, Darlis A.

Part C, American History Bibliography (Books, Articles and Dissertations) sample entries

16C:10682. Sandov l, David Alex. "Trade and the *Manito* Society in New Mexico, 1821-1848." U. of Utah 1978. 337 pp. *DAI* 1979 39(7): 4453-A.

16C:10683. Simmons, Marc. *New Mexico: A Bicentennial History*. States and the Nation Series, James Morton Smith, ed. New York: Norton; Nashville, Tenn.: Am. Assoc. for State and Local Hist., 1977. 207 pp. 16B:1673.

16C:10684. Strout, Clevy Lloyd. THE RESETTLEMENT OF SANTA FE, 1695: THE NEWLY FOUND MUSTER ROLL. *New Mexico Hist. Rev.* 1978 53(3): 261-270. 16A:5521.

16C:10685. Swadesh, Frances Leon. ARCHAEOLOGY, ETHNOHISTORY AND THE FIRST PLAZA OF CARNUEL. *Ethnohistory* 1976 23(1): 31-44. 16A:8095.

16C:10686. Taylor, Morris F. SPRUCE MC COY BAIRD: FROM TEXAS AGENT TO NEW MEXICO OFFICIAL, 1848-1860. *New Mexico Hist. Rev.* 1978 53(1): 39-58. 16A:2545.

16C:10687. Theisen, Gerald. *A Study Guide to New Mexico History*. Santa Fe: Mus. of New Mexico, Edu. Division, 1976. 16B:4071.

Dissertation entry

Cross reference to entry in Part A or Part B

Figure 5. Bibliographic citations from *AHL Part A* and *Part B* are merged with dissertation entries to form *Part C, American History Bibliography*

- Anglo. Attitudes. Hispanic Americans. Indians. Social Customs. 1807-1940. 16C:10672
- Archives. Collections. Economic development. Indians. 17c-20c. 16C:10681
- Aristocracy. Colonial Government. New Spain. Settlement. 16c. 16A:2536 16C:10662
- Arizona. Energy. Gila River system. Hydraulic Engineering. Water Supply. 1520-1978. 16A:2482 16C:10443
- Arizona. Indians. Natural resources. Navajo Reservation. 20c. 16A:2917 16C:562
- Arizona. Indians. Painting. Printmaking. Scholder, Fritz. 1970's. 16A:5936 16C:494
- Arizona. Marzaha. Politics. 1846-1912. 16B:2141 16C:10655
- Armies. Bosque Redondo (reservation). Diseases. Indians (reservations). Mortality. Navajo Indians. 1864-68. 16A:5920 16C:423
- Armies. Bosque Redondo Reservation. Indians. Navajo Indians. 1863-68. 16B:1804, 4081
- Assimilation. Spain. 16c-19c. 1970's. 16A:5516 16C:10634
- Atrisco grant. Land grants. New S. Pueblo Revolt. 1680-1977. 16A:2542 16C:10677
- Authors. Mexican Americans. Race Stereotypes. 19c. 16A:2543 16C:10678
- Bandini, Juan. California. Colonization. Land Tenure. San Salvador (settlement). 1841-1900. 16A:8149 16C:10892
- Barker, Elliott S. (reminiscences). Fur Hunting. Wildlife Conservation. 189. 16B:81 16C:10637
- Barker, Elliott S. (reminiscences). Fur. Forestry. Nature Conservation. 1900. 16B:82 16C:5256
- Beveridge, Albert J. Racism. Senate. Statehood (rejected). 1902-03. 16A:424 16C:4304
- Bibliographies. Penitentes. 20c. 16A:2544 16C:10679
- California Column. Carleton, James. War. 1852. 16A:992 16C:3969
- Calvin, Ross Randall. Episcopal Church. Protestant. Literature. Nature. 1889-1970. 16A:2544 16C:10679
- Catholic Church. Clergy. Lamy, Jean Baptiste. 1830-88. 16B:892
- Catholic Church. Colorado. Passion plays. Spain. 1830's-1978. 16A:5477 16C:10511
- Chesein, Felipe Maximiliano. Literature. Mexican Americans. Newspapers. 1873-1922. 16A:1051 16C:4227
- Colonization. Indians. Land tenure. Social Organization. Spain. 1546-1692. 16A:101 16C:401
- Confederate Army. Sibley, Henry H. 1860's. 16B:2877 16C:3915
- Cutting, Bronson M. Democratic Party. Politics. Campaigns. Roosevelt, Franklin D. Senate. 1924. 16A:3643 16C:10682
- Daily Life. 16c-20c. 16B:1673 16C:10683
- Davis, William Watts Hart. Historiography. 1833-60. 16A:2546 16C:10691
- Economic Development. Indians. Popular Culture. Social Change. Prehistory. 20c. 16B:4071 16C:10687
- Ethnic Groups--Occupations. Population. Social Organization. 1790. 16A:8096 16C:10689
- Folklore. Indians. Spain. 17c-20c. 16B:2387 16C:10660
- Folklore. Indians. Spain. 17c-20c. 16B:2388 16C:10661
- Garrett, Pat. Law Enforcement. Rhodes, Eugene Manlove. Trials. 1898-99. 16A:2539 16C:10669
- Historians. Preservation. State government. 1973. 16A:2540 16C:10671
- Hoffman, Frank. Illustration. Painting. western. 1919-53. 16A:8049 16C:10473
- Indian-White Relations. Zuni Indians. 1300-1800. 16B:391 2467 16C:39
- Manitos (traders). Social Change. Trade. 1821-48. 16C:10682
- Mexico. Revolution. Salazar, Jose Ines. Texas. ca 1910-18. 16A:6726 16C:4410
- Missions and Missionaries. Prince, L. Bradford (observations). 1879-1915. 16B:1502 16C:10680
- Penitentes. 18c-20c. 16B:4205
- New Mexico (Albuquerque). Armijo, Salvador. Charities. Poor. 1874. 16A:5318 16C:10658
- Catholic Church. Penitentes. Royal, Max. Santos, statues. Wood Carving. 20c. 16A:8097 16C:10692

- Jacobs, Pizer. Judaism. Temple Albert (dedication). 1900. 16A:8098 16C:10694
- New Mexico (Carnuel). Archaeology. Ethnohistory. Frontier and Pioneer Life. 1760's-1850's. 1970's. 16A:8095 16C:10693
- New Mexico (El Morro valley). Indians. Settlement. 1250-1310. 16A:2853 16C:263
- New Mexico (Española Valley). Community Participation in Politics. Economic Development. Government. Indians. Mexican Americans. Water Supply. 1970's. 16A:8091 16C:10670
- New Mexico (Glorieta). McCoy, Robert B. Publishers and Publishing. Rio Grande Press. Southwestern history. 1962-78. 16A:3519 16C:10666
- New Mexico (Las Cruces). Jews. Philanthropy. Stern, Eugene J. 1903-70. 16A:8093 16C:10673
- New Mexico (Las Vegas). Films. Mia, Tom. Popular Culture. Selig Polyscope Co. 1915. 16A:3909 16C:4479
- New Mexico (Los Alamos). Babiobros, Kenneth T.

- New Mexico Territory. Arizona Territory. Civil War. Economic development. Indian Wars. 1861-65. 16A:590 16C:3932
- New Mexico (western). Cleveland, Agnes M. (reminiscences). Ranch life. 1800's. 16B:2412 16C:10663
- New Mexico (White Tail Canyon district). Apache Indians. Goode, George W. Indians. Mesalero Agency. 1913-23. 16A:2923 16C:584
- New Music Society. Cowell, Henry. Music. Phonograph Records. Publishers and Publishing. 1925-36. 16C:4708
- New Netherland See also New York
- Colonial Government. Delaware Papers (collection). Great Britain. Nicolaï, Matthias. 1664-83. 1850-1978. 16A:5988 16C:734
- Colonization. Commerce. Indian-White Relations. Netherlands. Taiwan. 17c. 16A:90 16C:363
- Colonization. Dutch West India Company. 1625-64. 16B:4140 16C:3909
- Dutch West India Company. Slavery. 1646-64.

Subject indexing (ABC-SPIndex) for
sample entries from
AMERICA: HISTORY AND LIFE
Parts A, B, and C

- history. 1949-75. 16A:5522 16C:10688
- New Mexico (Manuelito Canyon). Environment. Indians. Migration. Internal. Population. Social Organization. Prehistory. 16C:294
- New Mexico, north-central. Migration, Internal. Population. Social change. 1960-77. 16A:2541 16C:10676
- New Mexico (northern). Anthropology. Ecology. Hispanic Americans. Social organization. Trade. 17c-20c. 16A:8092 16C:10674
- New Mexico (Pecos). Barker, Elliott S. (reminiscences). Hunting. 20c. 16B:2148 16C:10676
- New Mexico (Rimrock). Economic Development. Indians. Missions and Missionaries. Navajo Indians. 19c-20c. 16B:2233 16C:78
- New Mexico (Santa Fe). Art. Indian Arts Fund Collection. Pueblo Pottery Fund. School of American Research. 1922-78. 16A:5953 16C:593
- Baird, Spruce McCoy. Slavery. Texas. 1848-60. 16A:2545 16C:10686
- Catholic Church. Chapel (dedication). Third Order of Saint Francis. ca 1805-32. 16A:2538 16C:10665
- Colonization. Mexico. Muster rolls. Píez Hurtado, Juan. 1695. 1978. 16A:5521 16C:10684
- Painting. Politics. Sloan, John. 1919-31. 16A:5520 16C:10668
- New Mexico (Santa Fe, Taos). Art colonies. Atchison, Topeka and Santa Fe Railroad. 1890's-1978. 16A:8089 16C:10659
- New Mexico (Santo Domingo Pueblo). Indians. Pottery. Pueblo Indians. 1920-38. 16B:2385 16C:490
- New Mexico (Shiprock). Assimilation. Indians. Navajo Indians. Sherman Institute for Indians. Women. 1900-20. 16A:126 16C:465
- New Mexico State University. Family. History Teaching. Oral history. Women. 1976. 16A:798 16C:11779
- New Mexico (Taos). Architecture. Fochin, Nicolai. Landscape painting. 1926-33. 16A:8090 16C:10667
- Artifacts. Indians. Millicent Rogers Memorial Museum. 1956-78. 16A:2916 16C:557
- Bureau of Indian Affairs. Collier, John. Human rights. Indians. Pueblo Indians. 1920-54. 16B:1459, 1663
- New Mexico (Taos; Blue Lake). Indian-White Relations. Legislation. Pueblo Indians. Rites and Ceremonies. 20c. 16A:2897 16C:474

- Indian-White Relations. 16 16C:5913
- Ica. Provincial government. Sweden. 1647-50. 16A:2960
- Patronship plans. 16 16C:5913
- Louisiana. Nicholas, Eliza Jane. 16 16C:5913
- District Landmarks. Square Association. 1807-1978. 16A:5326
- Louisiana. (newspaper). Louisiana. 1976. 16B:1973
- Family. Politics. 16A:56874
- Political Parties. 1909-75. 16A:138 16C:4907
- New School for Social Research. American Sociological Association. Nelson, Benjamin (obituary). Social sciences. 1940's-77. 16A:8375 16C:11630
- Arendt, Hannah. New York City. Political Theory. Teaching. 1960's. 16A:5811 16C:11814
- Alabama (Birmingham). Crawford, George G. Industrialization. Steel industry. Tennessee Coal Iron and Railroad Company. 1901-36. 16A:5290 16C:9602
- Black Capitalism. Coleman Manufacturing Company. Coleman, Warren. North Carolina (Concord). 1896-1904. 16C:9403
- Farmers. Harris, Joel Chandler. Industrialization. ca 1880-1900. 16A:2211 16C:9134
- New Spain See also Mexico.
- Aristocracy. Colonial Government. New Mexico. Settlement. 16c. 16A:2536 16C:10662
- Atrisco grant. Land grants. New Mexico. Pueblo Revolt. 1680-1977. 16A:2542 16C:10677
- Bringas, Diego Miguel. Hispanicization. Indians. Missions and Missionaries. 1796-97. 16B:1215
- France. Genealogy. Louisiana. St. Maxent, Felicité de. 1692-1763. 16A:2323 16C:9719
- New Spain (northwestern). Indians. Jesuits. Missions and Missionaries. 1610-1763. 16B:1475
- New towns. City Planning. Great Britain. USSR. 1945-70's. 16A:2009 16C:8261
- New York See also Northeastern or North Atlantic States.
- Abolition Movement. Christianity. Negroes. Ward, Samuel Ringgold. 1839-51. 16A:2109 16C:8677
- Aacademia (association). Catholic Church. Clergy. 1865-1907. 16A:3821 16C:4141
- Acculturation. Education. Ethnicity. Pluralism. 1664-1763. 16C:789
- Aged. Nursing homes. Patient Advocate Program. 1978. 16A:7645 16C:8723
- Aggressiveness. Indians. Iroquois Indians. 17c. 16A:5905 16C:365
- Agriculture and Government. Beet sugar industry. 1962-65. 16B:362 16C:8668
- Air Pollution. Government Regulation. Law Enforcement. 1970-73. 16A:4587 16C:7018
- American Revolution. Art. Espionage. Great Britain (London). Wright, Patience Lovell. 1750's-80's. 16B:1652

Figure 6. Page from Part D, Annual Index showing indexing of the entries from figure 5 at the term 'New Mexico'.