UNITED STATES DISTRICT COURT
DISTRICT OF DELAWARE

NATIONAL STEEL CAR LTD., Plaintiff, v. FREIGHT CAR AMERICA, INC., FREIGHT CAR NORTH AMERICA LLC, JAC OPERATIONS, INC., and FCA-FASEMEX LLC, Defendants.	Case No. 1:24-cv-00594

EXPERT REPORT OF SYLVIA D. HALL-ELLIS, Ph.D.

Dated: May 26, 2025

By: Sylvia D. Hall-Ellis
Sylvia D. Hall-Ellis, Ph.D.

I. INTRODUCTION

I, Sylvia D. Hall-Ellis, hereby declare:

1. I have been retained as an expert by Freight Car America, Inc., Freight Car North America LLC, JAC Operations, Inc., and FCA-FASEMEX LLC (referred to herein as "Defendants").

2. I have written this Report at the request of Defendants to provide my expert opinion regarding the authenticity and public availability of several publications. My Report sets forth my opinions in detail and provides the basis for my opinions regarding the public availability of these publications.

3. I reserve the right to supplement or amend my opinions, and bases for them, in response to any additional evidence, testimony, discovery, argument, and/or other additional information that may be provided to me after the date of this Report.

4. I am being compensated for my time spent working on this matter at my normal consulting rate, plus reimbursement for any additional reasonable expenses. My compensation is not in any way tied to the content of this Report, the substance of my opinions, or the outcome of this proceeding. I have no other interests in this proceeding or with any of the parties.

5. All of the materials that I considered are discussed explicitly in this Report.

II. QUALIFICATIONS

6. I am currently an Adjunct Professor in the School of Information at San José State University. I obtained a Master of Library Science from the University of North Texas in 1972 and a Ph.D. in Library and Information Science from the University of Pittsburgh in 1985. Over the last fifty years, I have held various positions in the field of library and information resources. I was first employed as a librarian in 1966 and have been involved in the field of library sciences since, holding numerous positions.

7. I am a member of the American Library Association ("ALA") and its Association for Library Collections & Technical Services ("ALCTS") Division, and I served on the Committee on Cataloging: Resource and Description (which wrote the new cataloging rules) and as the chair of the Committee for Education and Training of Catalogers and the Competencies and Education for a Career in Cataloging Interest Group. I also served as the Chair of the ALCTS Division's Task Force on Competencies and Education for a Career in Cataloging. Additionally, I served as the Chair for the ALA Office of Diversity's Committee on Diversity, as a member of the REFORMA National Board of Directors, and as a member of the Editorial Board for the ALCTS premier cataloging journal, *Library Resources and Technical Services,* as a Co-Chair of the Membership Committee for the Library Research Round Table (LRRT) of the American Library

Association, and as a member of the LRRT Nominating Committee. Currently I serve as a member of the CORE Margaret Mann Citation Committee.

8. I have also given over one-hundred presentations in the field, including several on library cataloging systems and Machine-Readable Cataloging ("MARC") standards. My current research interests include library cataloging systems, metadata, and organization of electronic resources.

9. My full *curriculum vitae* is attached hereto as Attachment 5 to this Report.

III. PRELIMINARIES

10. I am not an attorney and will not offer opinions on the law. I am, however, rendering my expert opinion on the authenticity of the document referenced herein and on when and how each document was disseminated or otherwise made available to the extent that persons interested and ordinarily skilled in the subject matter or art, exercising reasonable diligence, could have located the document.

11. I understand that an item is considered authentic if there is sufficient evidence to support a finding that the item is what it is claimed to be. I also understand that authenticity can be established based on the contents of the documents themselves, such as the appearance, contents, substance, internal patterns, or other distinctive characteristics of the item, taken together with all of

the circumstances. I further understand that an item is considered authentic if it is at least 20 years old, in a condition that creates no suspicion of its authenticity, and in a place where, if authentic, it would likely be. Lastly, I understand that a document's authenticity can be established by comparison with an authentic specimen.

12. I understand that a printed publication qualifies as publicly accessible as of the date it was disseminated or otherwise made available such that a person interested in and ordinarily skilled in the relevant subject matter could locate it through the exercise of reasonable diligence.

13. While I understand that the determination of public accessibility under the foregoing standard rests on a case-by-case analysis of the facts particular to an individual publication, I also understand that a printed publication may be rendered "publicly accessible" if it is cataloged and indexed by a library such that a person interested in the relevant subject matter, exercising reasonable diligence, could locate it (i.e., I understand that cataloging and indexing by a library may show public accessibility, though there are other ways that a printed publication may qualify as publicly accessible). I understand that the cataloging and indexing by a single library, even in a foreign country, of a single instance of a particular printed publication may show public accessibility. I understand that, even if access to a library is restricted, a printed publication that has been cataloged and indexed

therein may be publicly accessible so long as a presumption is raised that the portion of the public concerned with the relevant subject matter would know of the printed publication. I also understand that the cataloging and indexing of information that would guide a person interested in the relevant subject matter to the printed publication, such as the cataloging and indexing of an abstract for the printed publication, can show public accessibility.

14. I understand that routine business practices, such as general library cataloging and indexing practices, can be used to establish an approximate date on which a printed publication became publicly accessible.

IV. LIBRARY CATALOGING PRACTICES

15. In preparing this Report, I used authoritative databases, such as the Online Computer Library Center (OCLC) bibliographic database, the Library of Congress Online Catalog, and the Library of Congress Subject Authorities, to confirm citation details of the publications discussed below. It is my opinion that this standard cataloging and classification protocol was followed for the publications discussed below.

16. Based on my experience working in research libraries, it is my opinion that members of the public would have been able to locate the material discussed herein on their own or with the assistance of a research librarian with relative ease using the tools and resources described herein.

A. INDEXING

17. A researcher may discover material relevant to his or her topic in a variety of ways. One common means of discovery is to search for relevant information in an index of periodical and other publications. Having found relevant material, the researcher will then normally obtain it online, look for it in libraries, or purchase it from the publisher, a bookstore, a document delivery service, or other provider. Sometimes, the date of a document's public accessibility will involve both indexing and library date information. However, date information for indexing entries is often unavailable. This is especially true for online indices.

18. Indexing services use a wide variety of controlled vocabularies to provide subject access and other means of discovering the content of documents. The formats in which these access terms are presented vary from service to service.

19. Before the widespread development of online databases to index articles in journals, magazines, conference papers, and technical reports, libraries purchased printed volumes of indices. Graduate library school education mandated that students learn about the bibliographic control of disciplines, the prominent indexing volumes, and searching strategies required to use them effectively and efficiently. Half of the courses that I studied in library school were focused on the bibliography and resources in academic disciplines.

20. Librarians consulted with information seekers to verify citations, check availability in union catalogs, printed books catalogs, and the OCLC database, and make formal requests for materials, *e.g.*, books, conference proceedings, journal articles. Requests were transmitted using Telex machines, rudimentary email systems, and the United States Postal Service. During my career, I have performed and supervised staff who handled these resource sharing tasks.

21. A major firm known for the breadth of subjects and comprehensive treatment in the preparation of index volumes, the H. W. Wilson Company offered these reference resources since the firm was founded in 1898. The *Reader's Guide to Periodical Literature* is one of the best-known titles available from H. W. Wilson. Each volume includes a comprehensive index for 300 of the most popular and important periodicals published in the United States and Canada. Information seekers have subject access expressed in plain language terminology, author access, and cross references to find the desired results from their searches. The family of index titles included *Science & Technology Index*, *Business Periodicals*, *Applied Science & Technology Index, Humanities Index, Biological & Agricultural Index*, and *Industrial Arts Index*. These printed indices have been superseded by digital database offerings available to information seekers through Ebsco.

22. Online indexing services commonly provide bibliographic information, abstracts, and full-text copies of the indexed publications, along with a list of the documents cited in the indexed publication. These services also often provide lists of publications that cite a given document. A citation of a document is evidence that the document was publicly available and in use no later than the publication date of the citing document.

23. *WayBack Machine.* The *WayBack Machine* is an application using a crawler created by the Internet Archive to search its archive of Web page URLs and to represent, graphically, the date of each crawler capture. The Internet Archive is a non-profit digital library founded in 1996 that maintains an archive of webpages collected from the Internet using software called a crawler. Crawlers automatically create a snapshot of webpages as they existed at a certain point in time. The Internet Archive captures data that is publicly available. Some sites are "not archived because they were password protected, blocked by robots.txt, or otherwise inaccessible to our automated systems. Site owners might have also requested that their sites be excluded from the WayBack Machine."

24. As of January 1, 2023, the Internet Archive holds more than 38 million print materials, 11.6 million pieces of audiovisual content, 2.6 million

software programs, 15 million audio files, 4.7 million images, 251,000 concerts, and over 832 billion web pages in its *Wayback Machine.*[1]

25. Many Internet Archive captures made by the *WayBack Machine* have a banner at the top with the capture date prominently displayed. Other dates when captures of the same URL have been made are indicated to the right and left of the date provided in the banner. Some captures may lack this banner. In any case, the URL for the capture begins with the identification of the Internet Archive page (e.g., http://web.archive.org/web/) followed by information that dates and time stamps the capture as follows: year in yyyy, month in mm, day in dd, time code in hh:mm:ss (e.g., 20071120082013, or November 20, 2007, at 8:20:13 a.m.). These elements are then followed by the URL of the original capture site. When links are active, the *WayBack Machine* is programed to produce the archived file with the closest available date (not the closest available prior date) to the page upon which the link appeared and was clicked. I and other librarian professionals are familiar with the Internet Archive and the *Wayback Machine*.[2]

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[1] https://en.wikipedia.org/wiki/Internet_Archive

[2] For more information about the Internet Archive see the WayBack Machine FAQ, https://archive.org/about/faqs.php#The_Wayback_Machine.

B. MARC RECORDS AND THE ONLINE LIBRARY CATALOG

26. I am fully familiar with the library cataloging standard known as the MARC standard, which is an industry-wide standard method of storing and organizing library catalog information.[3] MARC was first developed in the 1960s by the Library of Congress. A MARC-compatible library is one that has a catalog consisting of individual MARC records for each of its items. Today, MARC is the primary communications protocol for the transfer and storage of bibliographic metadata in libraries.[4]

27. MARC is a framework into which descriptive bibliographic data are transcribed to interact with the software in online library catalogs to provide access to books, journals, and other resources in the collection. The bibliographic data

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[3] The full text of the standard is available from the Library of Congress at http://www.loc.gov/marc/bibliographic/.

[4] Almost every major library in the world is MARC-compatible. *See, e.g.*, *MARC Frequently Asked Questions (FAQ)*, Library of Congress, https://www.loc.gov/marc/faq.html (last visited April 28, 2025) ("MARC is the acronym for MAchine-Readable Cataloging. It defines a data format that emerged from a Library of Congress-led initiative that began nearly forty years ago. It provides the mechanism by which computers exchange, use, and interpret bibliographic information, and its data elements make up the foundation of most library catalogs used today."). MARC is the ANSI/NISO Z39.2-1994 (reaffirmed 2016) standard for Information Interchange Format.

provide points of access and can be searched by a person of ordinary skill in the art ("POSITA") to identify and obtain resources in the library collection. An information seeker (or POSITA) can search a local online library catalog or the holdings of a group of libraries in a state or region or in the global catalog WorldCat.

28. MARC records are not designed for public viewing. Although a significant number of libraries provide access to the MARC version of a bibliographic record, the public display is designed to show information in a succinct manner that is quickly understood and useful to the information seeker. Libraries determine the default search for the online catalog to make the entry of search terms efficient and result in a successful search. Information seekers can enter a keyword, title, author, or standard number for the item. Libraries may also provide a search capability called "Summon" that allows the information seeker to enter known information about the item to conduct a search.

29. Since at least the early 1970s and continuing to the present day, MARC has been the primary communications protocol for the transfer and storage of bibliographic metadata in libraries.[5] As explained by the Library of Congress:

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[5] A complete history of the development of MARC can be found in *MARC: Its History and Implications* by Henrietta D. Avram (Washington, DC: Library of Congress, 1975) and available online from the Hathi Trust

> You could devise your own method of organizing the bibliographic information, but you would be isolating your library, limiting its options, and creating much more work for yourself. Using the MARC standard prevents duplication of work and allows libraries to better share bibliographic resources. Choosing to use MARC enables libraries to acquire cataloging data that is predictable and reliable. If a library were to develop a "home-grown" system that did not use MARC records, it would not be taking advantage of an industry-wide standard whose primary purpose is to foster communication of information.
>
> Using the MARC standard also enables libraries to make use of commercially available library automation systems to manage library operations. Many systems are available for libraries of all sizes and are designed to work with the MARC format. Systems are maintained and improved by the vendor so that libraries can benefit from the latest advances in computer technology. The MARC standard also allows libraries to replace one system with another with the assurance that their data will still be compatible.

Why Is a MARC Record Necessary? LIBRARY OF CONGRESS, http://www.loc.gov/marc/umb/um01to06.html#part2 (last visited April 28, 2025).

30. Examining the MARC records for a specific item reveals the comprehensive data transcribed about a particular item at the time that cataloging

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(https://babel.hathitrust.org/cgi/pt?id=mdp.39015034388556;view=1up;seq=1; last visited April 28, 2025).

and classification occurred. In addition to the creator, title, subjects, and standard numbers, additional information may provide additional and relevant data depending on the type of resource. Understanding the full extent of bibliographic data for an item and the points of access associated with it provides essential information that can be used to determine the indexing and public availability for documents described in this Report.

1. MARC RECORDS

31. A MARC record comprises several fields, each of which contains specific data about the work. Each field is identified by a standardized, unique, three-digit code corresponding to the type of data that follow. For example, a work's title is recorded in field 245, the primary author or creator of the work is recorded in field 100, an item's International Standard Book Number ("ISBN") is recorded in field 020, an item's International Standard Serial Number ("ISSN") is recorded in field 022, an item's Library of Congress call number is recorded in field 050, and the publication date is recorded in field 260 under the subfield "c." *Id.*[6] If a work is a periodical, then its publication frequency is recorded in field

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[6] In some MARC records, field 264 is used rather than field 260 to record publication information. *See* http://www.loc.gov/marc/bibliographic/bd264.html (last visited April 28, 2025) ("Information in field 264 is similar to information in field 260 (Publication, Distribution, etc. (Imprint)). Field 264 is useful for cases

310, alternate publication frequency is recorded in field 321, and the publication dates (*e.g.*, the first and last publication) are recorded in field 362, which is also referred to as the enumeration/chronology field. *See* http://www.loc.gov/marc/bibliographic/bd3xx.html (last visited April 28, 2025).

32. The library that created the record is recorded in Field 040 in subfield "a" with a unique library code. When viewing the MARC record online via Online Computer Library Center's ("OCLC") bibliographic database, hovering over this code with the mouse reveals the full name of the library. I used this method of "mousing over" the library codes in the OCLC database to identify the originating library for the MARC records discussed in this Report. Where this "mouse over" option was not available, I consulted the Directory of OCLC Libraries to identify the institution that created the MARC record.[7]

33. MARC records also include several fields that include subject matter classification information. An overview of MARC record fields is available through the Library of Congress at http://www.loc.gov/marc/bibliographic/. For example, 6XX fields are termed "Subject Access Fields." *See* http://www.loc.gov/marc/bibliographic/bd6xx.html. Among these, for example, is

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where the content standard or institutional policies make a distinction between functions").

[7] https://www.oclc.org/en/contacts/libraries.html

the 650 field; this is the "Subject Added Entry – Topical Term" field. *See* http://www.loc.gov/marc/bibliographic/bd650.html. The 650 field is a "[s]ubject added entry in which the entry element is a topical term." *Id.* These authenticated subject entries "are assigned to a bibliographic record to provide access according to generally accepted thesaurus-building rules (*e.g.*, *Library of Congress Subject Headings* (LCSH), *Medical Subject Headings* (MeSH))." *Id.*

34. Further, MARC records include call numbers, which themselves indicate a subject and physical location within the library collections. For example, the 050 field is the "Library of Congress Call Number." *See* http://www.loc.gov/marc/bibliographic/bd050.html (last visited April 28, 2025). A defined portion of the Library of Congress Call Number is the classification number, and "source of the classification number is *Library of Congress Classification* and the *LC Classification-Additions and Changes*." *Id.* Thus, included in the 050 field is a subject matter classification. Each item in a library has a single classification number. A library selects a classification scheme (*e.g.*, the Library of Congress Classification scheme just described or a similar scheme such as the Dewey Decimal Classification scheme or the National Library of Medicine Classification scheme) and uses it consistently. When the Library of Congress assigns the classification number, it appears as part of the 050 field. If a local library assigns the classification number, it appears in a 090 field. In either

scenario, the MARC record includes a classification number that represents a subject matter classification.

35. Each item in a library has a single classification number. A library selects a classification scheme (*e.g.*, the Library of Congress Classification scheme just described or a similar scheme such as the Dewey Decimal Classification scheme) and uses it consistently. When the Library of Congress assigns the classification number, it appears as part of the 050 field, as discussed above. For MARC records created by libraries other than the Library of Congress (*e.g.*, a university library or a local public library), the classification number may appear in a 09X (*e.g.*, 090) field. *See* http://www.loc.gov/marc/bibliographic/bd09x.html (last visited April 28, 2025).

2. OCLC

36. The OCLC was created "to establish, maintain and operate a computerized library network and to promote the evolution of library use, of libraries themselves, and of librarianship, and to provide processes and products for the benefit of library users and libraries, including such objectives as increasing availability of library resources to individual library patrons and reducing the rate of rise of library per-unit costs, all for the fundamental public purpose of furthering ease of access to and use of the ever-expanding body of worldwide scientific,

literary and educational knowledge and information."[8] Among other services, OCLC and its members are responsible for maintaining the WorldCat database (http://www.worldcat.org/), used by independent and institutional libraries throughout the world.

37. OCLC also provides its members online access to MARC records through its OCLC bibliographic database. When an OCLC member institution acquires a work, it creates a MARC record for this work in its computer catalog system in the ordinary course of its business. MARC records created at the Library of Congress were initially tape-loaded into the OCLC database through a subscription to MARC Distribution Services daily or weekly. Once the MARC record is created by a cataloger at an OCLC member institution or is tape-loaded from the Library of Congress, the MARC record is then made available to any other OCLC members online, and therefore made available to the public. Accordingly, once the MARC record is created by a cataloger at an OCLC member institution or is tape-loaded from the Library of Congress or another library anywhere in the world, any publication corresponding to the MARC record has been cataloged and indexed according to its subject matter such that a person

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[8] Third Article, Amended Articles of Incorporation of OCLC Online Computer Library Center, Incorporated (available at https://www.oclc.org/content/dam/oclc/membership/articles-of-incorporation.pdf).

interested in that subject matter could, with reasonable diligence, locate and access the publication through any library with access to the OCLC bibliographic database or through the Library of Congress.

38. When an OCLC member institution creates a new MARC record, OCLC automatically supplies the date of creation for that record. The date of creation for the MARC record appears in the fixed field (008), characters 00 through 05. The MARC record creation date reflects the date on which, the item was first acquired or cataloged. Initially, field 005 of the MARC record is automatically populated with the date the MARC record was created in year, month, day format (YYYYMMDD) (some of the newer library catalog systems also include hour, minute, second (HHMMSS)). Thereafter, the library's computer system may automatically update the date in field 005 every time the library updates the MARC record (*e.g.*, to reflect that an item has been moved to a different shelving location within the library). Field 005 is visible when viewing a MARC record via an appropriate computerized interface. The initial field 005 date (*i.e.*, the date the MARC record was created) does appear. The date upon which the most recent update to field 005 occurred also appears in field 005. Thus, when an item's MARC record has been printed to hardcopy—as is the case with the exhibits to this report—the date reflected next to field 008 is necessarily on or after the date the library first cataloged and indexed the underlying item.

39. Once one library has cataloged and indexed a publication by creating a MARC record for that publication, other libraries that receive the publication do not create additional MARC records—the other libraries instead rely on the original MARC record. They may update or revise the MARC record to ensure accuracy, but they do not replace or duplicate it. This practice does more than save libraries from duplicating labor, it also enhances the accuracy of MARC records. It also allows librarians around the world to know that a particular MARC record is authoritative. In contrast, a hypothetical system wherein duplicative records were created would result in confusion as to which record is authoritative.

40. The date of creation of the MARC record by a cataloger at an OCLC member institution reflects when the underlying item is accessible to the public. Upwards of two-thirds to three-quarters of book sales to libraries come from a jobber or wholesaler for online and print resources. These resellers make it their business to provide books to their customers as fast as possible, often providing turnaround times of only a single day after publication. Libraries purchase a significant portion of the balance of their books directly from publishers themselves, which provide delivery on a similarly expedited schedule. In general, libraries make these purchases throughout the year as the books are published and shelve the books as soon thereafter as possible in order to make the books available

to their patrons. Thus, books are generally available at libraries across the country within just a few days of publication.

C. JOURNALS

41. Catalogers can create MARC records for all types of print, online, and digital resources. For example, MARC records cover serial publications, including both serially-published monographs and journals. OCLC hosts MARC records for more than 320 million serial publications. Serial publications are those publications that have the same collective title but are intended to be continued indefinitely with enumeration such as a volume or issue number (*e.g.*, magazines, journals, etc.). In the OCLC bibliographic database, the first issue of the serial publication is typically cataloged (*i.e.*, a corresponding MARC record is created), but the date is left open-ended with the use of a punctuation mark such as a dash. OCLC serial publication MARC records represent the entire run of the serial title. With knowledge of the first issue published, future issues can be predicted based on the information provided in the MARC record, for example in field 362. In my extensive professional experience, is it highly unusual for a library to stop collecting and shelving a serial publication prior to the end of its publication run. If a subscription to a serial publication ends its run or is cancelled before the end of its run, the library will denote that it has stopped receiving new volumes by filling in the end date in the MARC record.

42. The handling of printed journal subscriptions is shown on the cover or the first few pages of individual issues. As was the best practice among libraries, issues arrived at a central facility and were immediately received, verified as part of a subscription, checked in, and stamped or labeled with the institution's name and date. Determining that the issue was part of the library subscription ensured that the entire set of publications for the year had been received so that they could be professionally bound and retained. This process also verified that all of the published issues arrived so that the library staff did not have to request or claim an issue that did not arrive as expected. In large public libraries with branches and multi-campus libraries within academic institutions, the journals were sorted and delivered to the subscribing unit. The new issue was placed in the public area; the older issue was stored so that it remained available.

43. The foregoing process has been standard library practice longer than I have been working in the profession. I first learned the steps in the process in the late 1970s and later supervised it. Although the checking in process has become automated and now links electronically to holdings records for the MARC record for each serial title, the manual placement of a stamp or label and placing the issue in a public area has not changed for 50 years. Unless I note otherwise below in reference to a specific serial publication, it is my expert opinion that this standard protocol was followed for the serial publication discussed below.

V. PUBLICATIONS

A. *The Master Car Builders' Association Car Builders' Dictionary*, 1906 ed., by Rodney Hitt [Exhibit 1009]

44. Attached hereto as Exhibit 1009 is a copy of an excerpt from the book titled *The Master Car Builders' Association Car Builders' Dictionary*, 1906 ed., by Rodney Hitt (hereafter "1906 Cyclopedia") and issued by The Railroad Gazette in 1906. Exhibit 1009 is a true and correct copy of the cover, title page, "Action of the Master Car Builders Association," figures 50-56 (CARS, Freight: General Views); and figures 430-434 (CAR BODIES, Freight: Hopper Ore Cars) as originally held by the University of Michigan Libraries (Lansing, Michigan)[9] and available via the Internet from the Hathi Trust.[10] I obtained Exhibit 1009 from counsel. The text in Exhibit 1009 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1009 is a true and correct copy in a condition that creates no suspicion about its authenticity.

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[9] https://search.lib.umich.edu/catalog/record/11012312630?query=author%3A(Hitt%2C+Rodney)

[10] https://library.si.edu/digital-library/book/carbuildersdict00mast

45. Attached hereto as Attachment 1A is a true and correct copy of the MARC record for the book titled *The Master Car Builders' Association Car Builders' Dictionary*, 1906 ed., obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 1A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 1A, that library code is "DLC," which means that the MARC record for this book was created at the Library of Congress. As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the Library of Congress created OCLC record number 32802589 on July 12, 1995 ("950712"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 1A occurred on January 27, 2024, as shown in field 005 ("20240127"). I personally identified and retrieved the MARC record that is Attachment 1A.

46. Attachment 1A further includes an entry in field 050 ("TF373 $b .M42 1906")—as described above, this includes a subject matter classification number consistent with the Library of Congress classification system (analogous to the Dewey Decimal classification system) and an entry in field 082 ("625.2"), a subject matter consistent with the Dewey Decimal classification system. Attachment 1A further includes a descriptor term reading "Railroad cars $v Dictionaries" (see Attachment 1B, Library of Congress subject heading

sh85110916 and Attachment 1C, Library of Congress subject heading sh85042997) in the 650 field. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 1A was indexed according to its subject matter by virtue of at least three independent classifications: the field 050 entry, the field 082 entry, and the field 650 entry. Further, as of July 12, 1995, the MARC record attached hereto as Attachment 1A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

47. WorldCat indicates that the book titled *The Master Car Builders' Association Car Builders' Dictionary*, 1906 ed., as cataloged at the Library of Congress is currently available from 51 libraries.[11] In view of above, the book titled *The Master Car Builders' Association Car Builders' Dictionary*, 1906 ed., was publicly available on or shortly after July 12, 1995, because by that date it had been cataloged and indexed at the Library of Congress, made part of the OCLC bibliographic database, and received in the University of Michigan Libraries. For

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[11] https://search.worldcat.org/title/32802589

these reasons, it is my opinion that Exhibit 1009 was published and accessible to the public on or shortly after July 12, 1995.

B. *Car Builders' Dictionary: Definitions and Illustrations of American Railway Cars, Their Parts and Equipment,* 7th edition, compiled and edited for the Master Car Builders' Association by Roy V. Wright; assisted by Andrew C. Loudon [Exhibit 1010]

48. Attached hereto as Exhibit 1010 is a copy of an excerpt from the book titled *Car Builders' Dictionary: Definitions and Illustrations of American Railway Cars, Their Parts and Equipment,* 7th edition, compiled and edited for the Master Car Builders' Association by Roy V. Wright; assisted by Andrew C. Loudon (hereafter "1912 Cyclopedia") and issued by Simmons-Boardman in 1912. Exhibit 1010 is a true and correct copy of the cover, title page, verso; figures 22-24 (FREIGHT CARS: General Views) as originally held by the University of Missouri – St. Louis Libraries. I obtained Exhibit 1010 from counsel. The text in Exhibit 1010 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1010 is a true and correct copy in a condition that creates no suspicion about its authenticity.

49. Attached hereto as Attachment 3A is a true and correct copy of the MARC record for the book titled *Car Builders' Dictionary: Definitions and Illustrations of American Railway Cars, Their Parts and Equipment,* 7th edition, obtained from the OCLC bibliographic database. I personally identified and

retrieved the MARC record that is Attachment 3A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 3A, that library code is "S3O," which means that the MARC record for this book was created at the Kungliga Biblioteket - Sveriges Nationalbibliotek (Stockholm, Sweden). As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the Kungliga Biblioteket - Sveriges Nationalbibliotek created OCLC record number 1023195459 on May 21, 1987 ("870521"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 3A occurred on January 30, 2025, as shown in field 005 ("20250130"). I personally identified and retrieved the MARC record that is Attachment 3A.

50. Attachment 3A further includes an entry in field 050 ("TF373 $b .C37")—as described above, this includes a subject matter classification number consistent with the Library of Congress classification system (analogous to the Dewey Decimal classification system) and an entry in field 082 ("625.2"), a subject matter consistent with the Dewey Decimal classification system. Attachment 3A further includes a descriptor term reading "Railroad cars $v Dictionaries" (see Attachment 1B, Library of Congress subject heading sh85110916 and Attachment 1C, Library of Congress subject heading sh85042997) in the 650 field. Thus, as of its cataloging, the publication

corresponding to the MARC record attached hereto as Attachment 3A was indexed according to its subject matter by virtue of at least three independent classifications: the field 050 entry, the field 082 entry, and the field 650 entry. Further, as of May 21, 1987, the MARC record attached hereto as Attachment 3A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

51. WorldCat indicates that the book titled *Car Builders' Dictionary: Definitions and Illustrations of American Railway Cars, Their Parts and Equipment,* 7th edition, as cataloged at the Kungliga Biblioteket - Sveriges Nationalbibliotek is currently available from 76 libraries.[12] In view of above, the book titled *Car Builders' Dictionary: Definitions and Illustrations of American Railway Cars, Their Parts and Equipment,* 7th edition, was publicly available on or shortly after May 21, 1987, because by that date it had been received, cataloged, and indexed at the Kungliga Biblioteket - Sveriges Nationalbibliotek and made part of the OCLC bibliographic database. For these reasons, it is my opinion that

[12] https://search.worldcat.org/title/1023195459

Exhibit 1010 was published and accessible to the public on or shortly after May 21, 1987.

C. *Car Builders' Cyclopedia of American Practice: Definitions and Typical Illustrations of Cars, Their Parts and Equipment, Descriptions and Illustrations of Tools and Methods Employed in Their Construction and Repair, Cars Built in America for Industrial Operations and Foreign Railroads,* 10th edition, compiled and edited for the Master Car Builders' Association by Roy V. Wright and Charles N. Winter [Exhibit 1011]

52. Attached hereto as Exhibit 1011 is a copy of an excerpt from the book titled *Car Builders' Cyclopedia of American Practice: Definitions and Typical Illustrations of Cars, Their Parts and Equipment, Descriptions and Illustrations of Tools and Methods Employed in Their Construction and Repair, Cars Built in America for Industrial Operations and Foreign Railroads,* 10th edition, compiled and edited for the Master Car Builders' Association by Roy V. Wright and Charles N. Winter (hereafter "1922 Cyclopedia") and issued by Simmons-Boardman in 1922. Exhibit 1011 is a true and correct copy of the cover, title page, verso, and figures 2903-2905 (HOPPER CARS) as originally held by the San Francisco Public Library. I obtained Exhibit 1011 from counsel. The text in Exhibit 1011 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1011 is a true and correct copy in a condition that creates no suspicion about its authenticity.

53. Attached hereto as Attachment 4A is a true and correct copy of the MARC record for the book titled *Car Builders' Cyclopedia of American Practice: Definitions and Typical Illustrations of Cars, Their Parts and Equipment, Descriptions and Illustrations of Tools and Methods Employed in Their Construction and Repair, Cars Built in America for Industrial Operations and Foreign Railroads,* 10th edition, obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 4A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 4A, that library code is "TLM," which means that the MARC record for this book was created at the Toledo Lucas County Public Library (Toledo, Ohio). As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the Toledo Lucas Public Library created OCLC record number 1242834 on March 28, 1975 ("750328"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 4A occurred on December 13, 2023, as shown in field 005 ("20231213"). I personally identified and retrieved the MARC record that is Attachment 4A.

54. Attachment 4A further includes an entry in field 050 ("TF373 $b .M5 1922")—as described above, this includes a subject matter classification number consistent with the Library of Congress classification system (analogous to the

Dewey Decimal classification system) and an entry in field 082 ("625.22"), a subject matter consistent with the Dewey Decimal classification system. Attachment 4A further includes five descriptor terms reading "Railroad cars $v Encyclopedias" (see Attachment 1B, Library of Congress subject heading sh85110916 and Attachment 4B, Library of Congress subject heading sh85042997), "Railroad cars $v Dictionaries" (see Attachment 1B, Library of Congress subject heading sh85110916 and Attachment 1C, Library of Congress subject heading sh85042997), "Railroad cars $x Design and construction $v Encyclopedias" (see Attachment 2B, Library of Congress subject heading sh85110918 and Attachment 4B, Library of Congress subject heading sh85042997), "Railroad cars $x Maintenance and repair $v Encyclopedias" (see Attachment 4C, Library of Congress subject heading sh85110926 and Attachment 4B, Library of Congress subject heading sh85042997), and "Railroad cars $x Maintenance and repair $v Dictionaries" (see Attachment 4C, Library of Congress subject heading sh85110926 and Attachment 1C, Library of Congress subject heading sh85042997) in the 650 fields. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 4A was indexed according to its subject matter by virtue of at least three independent classifications: the field 050 entry, the field 082 entry, and the field 650 entries. Further, as of March 28, 1975, the MARC record attached hereto as Attachment

4A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

55. WorldCat indicates that the book titled *Car Builders' Cyclopedia of American Practice: Definitions and Typical Illustrations of Cars, Their Parts and Equipment, Descriptions and Illustrations of Tools and Methods Employed in Their Construction and Repair, Cars Built in America for Industrial Operations and Foreign Railroads,* 10th edition, as cataloged at the Toledo Lucas County Public Library is currently available from 49 libraries.[13] In view of above, the book titled *Car Builders' Cyclopedia of American Practice: Definitions and Typical Illustrations of Cars, Their Parts and Equipment, Descriptions and Illustrations of Tools and Methods Employed in Their Construction and Repair, Cars Built in America for Industrial Operations and Foreign Railroads,* 10th edition, was publicly available on or shortly after March 28, 1975, because by that date it had been received, cataloged, and indexed at the Toledo Lucas County Public Library and made part of the OCLC bibliographic database. For these

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[13] https://search.worldcat.org/title/1242834

reasons, it is my opinion that Exhibit 1011 was published and accessible to the public on or shortly after March 28, 1975.

D. *Car Builders Cyclopedia of American Practice: Definitions and Typical Illustrations of Railroad and Industrial Cars, Their Parts and Equipment; Cars Built in America for Export to Foreign Countries; Descriptions and Illustrations of Shops and Equipment Employed in Car Construction and Repair,* 17th edition, compiled and edited by Roy V. Wright [Exhibit 1004]

56. Attached hereto as Exhibit 1004 is a copy of an excerpt from the book titled *Car Builders Cyclopedia of American Practice: Definitions and Typical Illustrations of Railroad and Industrial Cars, Their Parts and Equipment; Cars Built in America for Export to Foreign Countries; Descriptions and Illustrations of Shops and Equipment Employed in Car Construction and Repair,* 17th edition, compiled and edited by Roy V. Wright (hereafter "1946 Cyclopedia") and issued by Simmons-Boardman in 1946. Exhibit 1004 is a true and correct copy of the cover, title, verso, foreword; Dictionary of Car Terms (p. 16, 22, 31, 58, 62, 66, and 69); FREIGHT CARS: A. A. R. Standard 50-Ton Twin Hopper, Class HM (p. 254); FREIGHT CARS: 55-Ton Twin Hopper, Class HM (p. 258-260, 262); FREIGHT CARS: Hopper, Classes HM and HT (p. 263); FREIGHT CARS: 50-Ton Twin Hopper, Class HM (p. 266); FREIGHT CARS: 75-Ton Tripple Hopper, Class HT (p. 275); FREIGHT CARS: 90-Ton Tripple Hopper, Class HT (p. 276); FREIGHT CARS: 70- and 90-Ton Tripple Hopper, Class HT (p. 277); FREIGHT CARS: 70-Ton Quadruple Hopper, Class HT (p. 280); FREIGHT CARS: Hopper

Ore, Class HMA (pp. 290-292); FREIGHT CARS: Hopper Ore, Class HD (p. 293); FREIGHT CARS: Hopper Ore (pp. 294-295); "Enterprise Bulk Commodity, Ore and Ballast Cars (Sec. 2-299); FREIGHT CAR CONSRUCTION DETAILS (p. 367); FREIGHT CAR CONSTRUCTION: Duryea Underframe (p. 404); COUPLERS AND DRAFT GEARS (pp. 936–963); COUPLERS AND DRAFT GEARS: Attachments; Yokes; Strikers; Fillers (p. 972); "Buckeye Yokes and Draft Attachments" (p. Sec. 10-973); and, "Specify Scullin for Stamina and Service in Freight and Locomotive Castings (Sec. 14-1136). I obtained Exhibit 1004 from counsel. Exhibit 1004 was originally held by the State Historical Society of Wisconsin (Madison, Wisconsin). The text in Exhibit 1004 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1004 is a true and correct copy in a condition that creates no suspicion about its authenticity.

57. Attached hereto as Attachment 6A is a true and correct copy of the MARC record for the book titled *Car Builders Cyclopedia of American Practice: Definitions and Typical Illustrations of Railroad and Industrial Cars, Their Parts and Equipment; Cars Built in America for Export to Foreign Countries; Descriptions and Illustrations of Shops and Equipment Employed in Car Construction and Repair,* 17th edition, obtained from the OCLC bibliographic

database. I personally identified and retrieved the MARC record that is Attachment 6A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 6A, that library code is "TLM," which means that the MARC record for this book was created at the Toledo Lucas County Public Library (Toledo, Ohio). As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the Toledo Lucas Public Library created OCLC record number 1415392 on June 26, 1975 ("750626"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 6A occurred on December 11, 2024, as shown in field 005 ("20241211"). I personally identified and retrieved the MARC record that is Attachment 6A.

58. Attachment 6A further includes an entry in field 050 ("TF373 $b .M5 1946")—as described above, this includes a subject matter classification number consistent with the Library of Congress classification system (analogous to the Dewey Decimal classification system) and an entry in field 082 ("699.03"), a subject matter consistent with the Dewey Decimal classification system. Attachment 6A further includes a descriptor term reading "Cars and car building $v Dictionaries" (see Attachment 5B, Library of Congress subject heading sh85110916 and Attachment 1C, Library of Congress subject heading sh85042997) in the 650 fields. Thus, as of its cataloging, the publication

corresponding to the MARC record attached hereto as Attachment 6A was indexed according to its subject matter by virtue of at least three independent classifications: the field 050 entry, the field 082 entry, and the field 650 entry. Further, as of June 26, 1975, the MARC record attached hereto as Attachment 6A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

59. WorldCat indicates that the book titled *Car Builders Cyclopedia of American Practice: Definitions and Typical Illustrations of Railroad and Industrial Cars, Their Parts and Equipment; Cars Built in America for Export to Foreign Countries; Descriptions and Illustrations of Shops and Equipment Employed in Car Construction and Repair,* 17th edition, as cataloged at the Toledo Lucas County Public Library is currently available from 39 libraries.[14] In view of above, the book titled *Car Builders Cyclopedia of American Practice: Definitions and Typical Illustrations of Railroad and Industrial Cars, Their Parts and Equipment; Cars Built in America for Export to Foreign Countries; Descriptions and Illustrations of Shops and Equipment Employed in Car Construction and*

[14] https://search.worldcat.org/title/1415392

Repair, 17th edition, was publicly available on or shortly after June 26, 1975, because by that date it had been received, cataloged, and indexed at the Toledo Lucas County Public Library and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1004 was published and accessible to the public on or shortly after June 26, 1975.

E. *Coal Cars: The First Three Hundred Years* by Martin Robert Karig [Exhibit 1016]

60. Attached hereto as Exhibit 1016 is a copy of an excerpt from the book titled *Coal Cars: The First Three Hundred Years* by Martin Robert Karig (hereafter "Karig") and issued by the University of Scranton Press in 2007. Exhibit 1016 is a true and correct copy of the title page, verso, dedication, photograph (p. vi); Table of Contents; Chapter 3, "The Transition Years" (pp. 41-62); Chapter 4, "The Age of Steel" (pp. 63-108); Chapter 5, "Appliances and Accessories for Coal Cars" ("Automatic Brakes," pp. 123-137); Chapter 8, "Photo Gallery" (pp. 268, 269, 311, 321, 323); and, Appendix B, "Glossary" (p. 381). I obtained Exhibit 1016 from counsel. The text in Exhibit 1016 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1016 is a true and correct copy in a condition that creates no suspicion about its authenticity.

61. Attached hereto as Attachment 10A is a true and correct copy of the MARC record for the book titled *Coal Cars: The First Three Hundred Years* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 10A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 10A, that library code is "DLC," which means that the MARC record for this book was created at the Library of Congress. As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the Library of Congress created OCLC record number 154689906 on August 7, 2007 ("070807"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 10A occurred on November 5, 2024, as shown in field 005 ("20241105"). I personally identified and retrieved the MARC record that is Attachment 10A.

62. Attachment 10A further includes an entry in field 050 ("TF479 $b .K36 2007")—as described above, this includes a subject matter classification number consistent with the Library of Congress classification system (analogous to the Dewey Decimal classification system) and an entry in field 082 ("625.2/4")—as described above, this includes a subject matter classification number consistent with the Dewey Decimal classification system. Attachment 10A further includes a descriptor term reading "Freight cars $z United States" (see Attachment 10B,

Library of Congress subject heading sh2008121199) in the 650 field. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 10A was indexed according to its subject matter by virtue of at least two independent classifications: the field 050 entry and the field 650 entry. Further, as of August 7, 2007, the MARC record attached hereto as Attachment 10A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

63. WorldCat indicates that the book titled *Coal Cars: The First Three Hundred Years* as cataloged at the Library of Congress is currently available from 94 libraries.[15] In view of above, the book titled *Coal Cars: The First Three Hundred Years* was publicly available on or shortly after August 7, 2007, because by that date it had been received, cataloged, and indexed at the Library of Congress and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1016 was published and accessible to the public on or shortly after August 7, 2007.

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[15] https://search.worldcat.org/title/154689906

F. *Lancashire & Yorkshire Wagons* by Noel Coates [Exhibit 1007]

64. Attached hereto as Exhibit 1007 is a copy of an excerpt from the book titled *Lancashire & Yorkshire Wagons* by Noel Coates (hereafter "Coates") and issued by Wild Swan Publishing Limited in 2006. Exhibit 1007 is a true and correct copy of the cover, title page, verso; contents; preface; Section D, "Coal, Loco Coal & Mineral Wagons" (pp. 261-265, "Hopper Wagons"). I obtained Exhibit 1007 from counsel. The text in Exhibit 1007 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1007 is a true and correct copy in a condition that creates no suspicion about its authenticity.

65. Attached hereto as Attachment 11A is a true and correct copy of the MARC record for the book titled *Lancashire & Yorkshire Wagons* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 11A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 11A, that library code is "NLE," which means that the MARC record for this book was created at the National Library of Scotland (Edinburgh, Scotland). As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the National Library of Scotland created OCLC record number

316656841 on January 31, 2007 ("070131"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 11A occurred on May 18, 2024, as shown in field 005 ("20240518"). I personally identified and retrieved the MARC record that is Attachment 11A.

66. Attachment 11A further includes an entry in field 082 ("688.6094276")—as described above, this includes a subject matter classification number consistent with the Dewey Decimal classification system. Attachment 11A further includes a corporate body entry reading "Lancashire & Yorkshire Railway $x History" (see Attachment 11B, Library of Congress name authority record n81025947 and Attachment 11C, Library of Congress subject heading sh85061212) in the 610 field, and two descriptor terms reading "Freight cars $z England $z Lancashire $x History" (see Attachment 11D, Library of Congress subject heading sh85110974, Attachment 11E, Library of Congress name authority record n82068148, Attachment 11F, Library of Congress name authority record n79043438, and Attachment 11C, Library of Congress subject heading sh85061212), and "Freight cars $z England $z Yorkshire $x History" (see Attachment 11D, Library of Congress subject heading sh85110974, Attachment 11E, Library of Congress name authority record n82068148, Attachment 11G, Library of Congress name authority record n81050764, and Attachment 11C,

Library of Congress subject heading sh85061212) in the 650 fields. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 11A was indexed according to its subject matter by virtue of at least three independent classifications: the field 610 entry, the field 082 entry, and the field 650 entries. Further, as of January 31, 2007, the MARC record attached hereto as Attachment 11A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

67. WorldCat indicates that the book titled *Lancashire & Yorkshire Wagons* as cataloged at the National Library of Scotland is currently available from 5 libraries.[16] In view of above, the book titled *Lancashire & Yorkshire Wagons* was publicly available on or shortly after January 31, 2007, because by that date it had been received, cataloged, and indexed at the National Library of Scotland and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1007 was published and accessible to the public on or shortly after January 31, 2007.

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[16] https://search.worldcat.org/title/316656841

G. *Wagons of the Final Years of British Railways: A Pictorial Study of the 1962-1968 Period* by David Larkin [Exhibit 1019]

68. Attached hereto as Exhibit 1019 is a copy of an excerpt from the book titled *Wagons of the Final Years of British Railways: A Pictorial Study of the 1962-1968 Period* by David Larkin (hereafter "Larkin 1") and issued by Kestrel Railway Books in 2008. Exhibit 1019 is a true and correct copy of the cover, title page, verso; "Wagons and Diagram Number Series" (p. 1); 24-1/2T Mineral and Coal Hopper Wagons (pp. 36-39); and, Air-braked Coal Hopper Wagons (Merry-go-round) (pp. 44-45). I obtained Exhibit 1019 from counsel. The text in Exhibit 1019 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1019 is a true and correct copy in a condition that creates no suspicion about its authenticity.

69. Attached hereto as Attachment 13A is a true and correct copy of the MARC record for the book titled *Wagons of the Final Years of British Railways: A Pictorial Study of the 1962-1968 Period* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 13A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 13A, that library code is "UKM," which means that the MARC record for this book was created at the British Library. As can be seen in field 008 ("Date entered on file") in the

MARC record for this exhibit, a cataloger at the British Library created OCLC record number 295002165 on December 22, 2008 ("081222"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 13A occurred on November 3, 2024, as shown in field 005 ("20241103"). I personally identified and retrieved the MARC record that is Attachment 13A.

70. Attachment 13A further includes an entry in field 082 ("385.34094109046")—as described above, this includes a subject matter classification number consistent with the Dewey Decimal classification system. Attachment 13A further includes two descriptor terms reading "Freight cars $z Great Britain $x History" (see Attachment 11D, Library of Congress subject heading sh85110974, Attachment 13B, Library of Congress name authority record n79023147, and Attachment 11C, Library of Congress subject heading sh85061212), and "Freight cars $z Great Britain $x History $v Pictorial works" (see Attachment 11D, Library of Congress subject heading sh85110974, Attachment 13B, Library of Congress name authority record n79023147, Attachment 11C, Library of Congress subject heading sh85061212, and Attachment 13C, Library of Congress subject heading sh86002267) in the 650 fields. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 13A was indexed according to its subject

matter by virtue of at least two independent classifications: the field 082 entry and the field 650 entries. Further, as of December 22, 2008, the MARC record attached hereto as Attachment 13A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

71. WorldCat indicates that the book titled *Wagons of the Final Years of British Railways: A Pictorial Study of the 1962-1968 Period* as cataloged at the British Library is currently available from 6 libraries.[17] In view of above, the book titled *Wagons of the Final Years of British Railways: A Pictorial Study of the 1962-1968 Period* was publicly available on or shortly after December 22, 2008, because by that date it had been received, cataloged, and indexed at the British Library and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1019 was published and accessible to the public on or shortly after December 22, 2008.

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[17] https://search.worldcat.org/title/295002165

H. *Private Owner Wagons. Vol. 1: Tops types PAA-PHA & PJA-PXX* by Andrew Marshall [Exhibit 1024]

72. Attached hereto as Exhibit 1024 is a copy of an excerpt from the book titled *Private Owner Wagons. Vol. 1: Tops types PAA-PHA & PJA-PXX* by Andrew Marshall (hereafter "Marshall") and issued by Metro Enterprises in 1989. Exhibit 1024 is a true and correct copy of the cover, title page, Section 1: Notes & Introduction (pp. 1-3); listings (pp. 25-28): #7950-7989 (2 Axle Sand), #8000-8199 (2 Axle lime), #8204-8253 (2 Axle Aggregate), #8256-8300 (2 Axle Aggregate/Salt), and #8302-8594 (2 Axle Cement). I obtained Exhibit 1024 from counsel. The text in Exhibit 1024 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1024 is a true and correct copy in a condition that creates no suspicion about its authenticity.

73. Attached hereto as Attachment 14A is a true and correct copy of the MARC record for the book titled *Private Owner Wagons. Vol. 1: Tops types PAA-PHA & PJA-PXX* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 14A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 14A, that library code is "UEJ," which means that the MARC record for this book was created in the Senate House Library at the

University of London (London, England). As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger in the Senate House Library at the University of London created OCLC record number 940128382 on October 9, 1990 ("901009"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 14A occurred on October 14, 2024, as shown in field 005 ("20241014"). I personally identified and retrieved the MARC record that is Attachment 14A.

74. Attachment 14A further includes an entry in field 082 ("625.24")—as described above, this includes a subject matter classification number consistent with the Dewey Decimal classification system. Attachment 14A further includes a descriptor term reading "Railroads $z Great Britain" (see Attachment 14B, Library of Congress subject heading sh85111114) in the 650 field. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 14A was indexed according to its subject matter by virtue of at least two independent classifications: the field 082 entry and the field 650 entry. Further, as of October 9, 1990, the MARC record attached hereto as Attachment 14A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or

before that same date through any library with access to the OCLC bibliographic database or through an individual library.

75. WorldCat indicates that the book titled *Private Owner Wagons. Vol. 1: Tops types PAA-PHA & PJA-PXX* as cataloged in the Senate House Library at the University of London is currently available from 10 libraries.[18] In view of above, the book titled *Private Owner Wagons. Vol. 1: Tops types PAA-PHA & PJA-PXX* was publicly available on or shortly after October 9, 1990, because by that date it had been received, cataloged, and indexed in the Senate House Library at the University of London and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1024 was published and accessible to the public on or shortly after October 9, 1990.

I. *Working Wagons: A Pictorial Review of Freight Stock on the B.R. System. Volume 3: 1980-1984* by David Larkin [Exhibit 1020]

76. Attached hereto as Exhibit 1020 is a copy of an excerpt from the book titled *Working Wagons: A Pictorial Review of Freight Stock on the B.R. System. Volume 3: 1980-1984* by David Larkin (hereafter "Larkin 2") and issued by Santona Publishers in 2001. Exhibit 1020 is a true and correct copy of the cover, title page, verso; contents (pp. 3-4); Section 5. BR. 25.5T oppers (pp. 18-19); Section 6. B.R. PRESDLO Wagons (pp. 20-21); Secion 23. HAA Hoppers and

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[18] https://search.worldcat.org/title/940128382

Variants (pp. 54-55); Section 27. Private Owner 4 wheeled Hoppers (pp. 62-63); Section 28. Private Owner 4 wheeled Covhops (pp. 64-65); and, Section 29. Private Owner Bogie Covhops (1) (pp. 66-67). I obtained Exhibit 1020 from counsel. The text in Exhibit 1020 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1020 is a true and correct copy in a condition that creates no suspicion about its authenticity.

77. Attached hereto as Attachment 15A is a true and correct copy of the MARC record for the book titled *Working Wagons: A Pictorial Review of Freight Stock on the B.R. System. Volume 3: 1980-1984* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 15A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 15A, that library code is "UKM," which means that the MARC record for this book was created at the British Library. As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the British Library created OCLC record number 51622424 on February 17, 2003 ("030217"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 15A occurred on November 3, 2024, as

shown in field 005 ("20241103"). I personally identified and retrieved the MARC record that is Attachment 15A.

78. Attachment 15A further includes an entry in field 082 ("385.340941")—as described above, this includes a subject matter classification number consistent with the Dewey Decimal classification system. Attachment 15A further includes a descriptor term reading "Railroads $z Great Britain $x History $v Pictorial works" (see Attachment 14B, Library of Congress subject heading sh85111114, Attachment 11C, Library of Congress subject heading sh85061212, and Attachment 13C, Library of Congress subject heading sh86002267) in the 650 field. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 15A was indexed according to its subject matter by virtue of at least two independent classifications: the field 082 entry and the field 650 entry. Further, as of February 17, 2003, the MARC record attached hereto as Attachment 15A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

79. WorldCat indicates that the book titled *Working Wagons: A Pictorial Review of Freight Stock on the B.R. System. Volume 3: 1980-1984* as cataloged in

the British Library is currently available from 7 libraries.[19] In view of above, the book titled *Working Wagons: A Pictorial Review of Freight Stock on the B.R. System. Volume 3: 1980-1984* was publicly available on or shortly after February 17, 2003, because by that date it had been received, cataloged, and indexed in the British Library and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1020 was published and accessible to the public on or shortly after February 17, 2003.

J. *Private Owner Wagons in Colour for the Modelier and Historian* by David Ratcliffe [Exhibit 1018]

80. Attached hereto as Exhibit 1018 is a copy of an excerpt from the book titled *Private Owner Wagons in Colour for the Modelier and Historian* by David Ratcliffe (hereafter "Ratcliffe 2") and issued by Ian Allen Publishers in 2009. Exhibit 1018 is a true and correct copy of the cover, title page, verso; introduction (pp. 3-5); 3. Bogie Iron-Ore and Limestone Hoppers (p. 14); and, 6. Lime and Dolime (pp. 26-27). I obtained Exhibit 1018 from counsel. The text in Exhibit 1018 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1018 is a true and correct copy in a condition that creates no suspicion about its authenticity.

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[19] https://search.worldcat.org/title/51622424

81. Attached hereto as Attachment 16A is a true and correct copy of the MARC record for the book titled *Private Owner Wagons in Colour for the Modelier and Historian* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 16A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 16A, that library code is "UKM," which means that the MARC record for this book was created at the British Library. As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the British Library created OCLC record number 298184981 on December 2, 2008 ("081202"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 16A occurred on November 2, 2024, as shown in field 005 ("20241102"). I personally identified and retrieved the MARC record that is Attachment 16A.

82. Attachment 16A further includes an entry in field 050 ("TF455 $b .R38 2009")—as described above, this includes a subject matter classification number consistent with the Library of Congress classification system (analogous to the Dewey Decimal classification system) and an entry in field 082 ("385.340941")—as described above, this includes a subject matter classification number consistent with the Dewey Decimal classification system. Attachment 16A

further includes two descriptor terms reading "Rail road cars $z Great Britain $x History $v Pictorial works" (see Attachment 1B, Library of Congress subject heading sh85110916, Attachment 13B, Library of Congress name authority record n79023147, Attachment 11C, Library of Congress subject heading sh85061212, and Attachment 13C, Library of Congress subject heading sh86002267) and "Private railroad cars $z Great Britain $x History $v Pictorial works" (see Attachment 16B, Library of Congress subject heading sh85111004, Attachment 13B, Library of Congress name authority record n79023147, Attachment 11C, Library of Congress subject heading sh85061212, and Attachment 13C, Library of Congress subject heading sh86002267) in the 650 fields. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 16A was indexed according to its subject matter by virtue of at least three independent classifications: the field 050 entry, the field 082 entry, and the field 650 entries. Further, as of December 2, 2008, the MARC record attached hereto as Attachment 16A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

83. WorldCat indicates that the book titled *Private Owner Wagons in Colour for the Modelier and Historian* as cataloged in the British Library is currently available from 27 libraries.[20] In view of above, the book titled *Private Owner Wagons in Colour for the Modelier and Historian* was publicly available on or shortly after December 2, 2008, because by that date it had been received, cataloged, and indexed in the British Library and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1018 was published and accessible to the public on or shortly after December 2, 2008.

K. *Wagon Recognition. Volume 1, Carkinds B to W* by Martin Buck and Mark Rawlinson [Exhibit 1021]

84. Attached hereto as Exhibit 1021 is a copy of an excerpt from the book titled *Wagon Recognition. Volume 1, Carkinds B to W* by Martin Buck and Mark Rawlinson (hereafter "Buck") and issued by Freightmaster Publishers in 2008. Exhibit 1021 is a true and correct copy of the cover, verso; HFA 2-Axle "MGR' Style Lime Hopper with Canopy" (p. 55). I obtained Exhibit 1021 from counsel. The text in Exhibit 1021 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1021 is a true and correct copy in a condition that creates no suspicion about its authenticity.

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[20] https://search.worldcat.org/title/298184981

85. Attached hereto as Attachment 18A is a true and correct copy of the MARC record for the book titled *Wagon Recognition. Volume 1, Carkinds B to W* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 18A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 18A, that library code is "UKM," which means that the MARC record for this book was created at the British Library. As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the British Library created OCLC record number 253201785 on April 28, 2008 ("080428"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 18A occurred on November 2, 2024, as shown in field 005 ("20241102"). I personally identified and retrieved the MARC record that is Attachment 18A.

86. Attachment 18A further includes an entry in field 082 ("625.240941")—as described above, this includes a subject matter classification number consistent with the Dewey Decimal classification system. Attachment 18A further includes three descriptor terms reading "Freight cars $z Great Britain $x Identification" (see Attachment 11D, Library of Congress subject heading sh85110974, Attachment 13B, Library of Congress name authority record n79023147, and Attachment 18B, Library of Congress subject heading

sh85064138), "Freight cars $z Great Britain $v Pictorial works" (see Attachment 11D, Library of Congress subject heading sh85110974, Attachment 13B, Library of Congress name authority record n79023147, and Attachment 13C, Library of Congress subject heading sh86002267), and "Freight cars $x Markings $z Great Britain" (see Attachment 18C, Library of Congress subject heading sh85110976 and Attachment 13B, Library of Congress name authority record n79023147) in the 650 fields. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 18A was indexed according to its subject matter by virtue of at least two independent classifications: the field 082 entry and the field 650 entries. Further, as of April 28, 2008, the MARC record attached hereto as Attachment 18A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

87. WorldCat indicates that the book titled *Wagon Recognition. Volume 1, Carkinds B to W* as cataloged in the British Library is currently available from 6 libraries.[21] In view of above, the book titled *Wagon Recognition. Volume 1, Carkinds B to W* was publicly available on or shortly after April 28, 2008, because

[21] https://search.worldcat.org/title/253201785

by that date it had been received, cataloged, and indexed in the British Library and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1021 was published and accessible to the public on or shortly after April 28, 2008.

L. *Modern Private Owner Wagons on British Rail* by David Ratcliffe [Exhibit 1017]

88. Attached hereto as Exhibit 1017 is a copy of an excerpt from the book titled *Modern Private Owner Wagons on British Rail* by David Ratcliffe (hereafter "Ratcliffe 1") and issued by Patrick Stephens Limited in 1989. Exhibit 1017 is a true and correct copy of the cover, title page, verso, and Chapter 5, "Open Hopper Wagons" (pp. 51-64). I obtained Exhibit 1017 from counsel. The text in Exhibit 1017 is complete; no pages are missing from the excerpts, and the text on each page of the excerpts appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1017 is a true and correct copy in a condition that creates no suspicion about its authenticity.

89. Attached hereto as Attachment 19A is a true and correct copy of the MARC record for the book titled *Modern Private Owner Wagons on British Rail* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 19A. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 19A, that library code is "UKM," which means that the MARC

record for this book was created at the British Library. As can be seen in field 008 ("Date entered on file") in the MARC record for this exhibit, a cataloger at the British Library created OCLC record number 18325987 on October 11, 1989 ("891011"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 19A occurred on October 20, 2024, as shown in field 005 ("20241020"). I personally identified and retrieved the MARC record that is Attachment 19A.

90. Attachment 19A further includes an entry in field 082 ("625.2/4/0941")—as described above, this includes a subject matter classification number consistent with the Dewey Decimal classification system. Attachment 19A further includes a corporate body descriptor term reading "British Rail (Firm)" (see Attachment 19B, Library of Congress name authority record n86112716) in the 610 field. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 19A was indexed according to its subject matter by virtue of at least two independent classifications: the field 082 entry and the field 610 entry. Further, as of October 11, 1989, the MARC record attached hereto as Attachment 19A was accessible through any library with access to the OCLC bibliographic database or the online catalog at a library that added this book to its collection, which means that the corresponding publication was publicly

available on or before that same date through any library with access to the OCLC bibliographic database or through an individual library.

91. WorldCat indicates that the book titled *Modern Private Owner Wagons on British Rail* as cataloged in the British Library is currently available from 15 libraries.[22] In view of above, the book titled *Modern Private Owner Wagons on British Rail* was publicly available on or shortly after October 11, 1989, because by that date it had been received, cataloged, and indexed in the British Library and made part of the OCLC bibliographic database. For these reasons, it is my opinion that Exhibit 1017 was published and accessible to the public on or shortly after October 11, 1989.

VI. SUMMARY OF OPINIONS

92. In view of the foregoing, it is my opinion that the publications described above were publicly available no later than the corresponding date listed in the table below:

Exhibit	Publication	Publicly Available On or After
1009	Hitt, Rodney. *The Master Car Builders' Association Car Builders' Dictionary*. 1906 ed. New York: The Railroad Gazette, 1906. ("1906 Cyclopedia")	July 12, 1995

[22] https://search.worldcat.org/title/253201785

Exhibit	Publication	Publicly Available On or After
1010	Wright, Roy V., and Andrew Charles Loudon. *Car Builders' Dictionary: definitions and illustrations of American railway cars, their parts and equipment*. 7th ed. New York: Simmons-Boardman Pub. Corp., 1912. ("1912 Cyclopedia")	May 21, 1987
1011	Wright, Roy V., and Charles Nicholas Winter, editors. *Car Builders' Cyclopedia of American Practice: Definitions and Typical Illustrations of Cars, Their Parts and Equipment, Descriptions and Illustrations of Tools and Methods Employed in Their Construction and Repair, Cars Built in America for Industrial Operations and Foreign Railroads.* New York: Simmons-Boardman Pub. Corp., 1922. ("1922 Cyclopedia")	March 28, 1975
1004	Wright, Roy V., editor. *Car Builders Cyclopedia of American Practice: Definitions and Typical Illustrations of Railroad and Industrial Cars, Their Parts and Equipment; Cars Built in America for Export to Foreign Countries; Descriptions and Illustrations of Shops and Equipment Employed in Car Construction and Repair.* 17th ed. New York: Simmons-Boardman Pub. Corp., 1946. ("1946 Cyclopedia")	June 26, 1975
1016	Karig, Martin Robert. *Coal Cars: The First Three Hundred Years.* Scranton, PA: The University of Scranton Press, 2007. ("Karig")	August 7, 2007
1007	Coates, Noel. *Lancashire & Yorkshire Wagons.* 2 vols. Dicot, Oxfordshire, England: Wild Swan Pub. Ltd., 2006. ("Coates")	January 31, 2007
1019	Larkin, David. *Wagons of the Final Years of British Railways: A Pictorial Study of the 1962-1968 Period.* Southampton, Hampshire, England: Kestrel Railway Books, 2008. ("Larkin 1")	December 22, 2008
1024	Marshall, Andrew. *Private Owner Wagons. Vol. 1: Tops types PAA-PHA & PJA-PXX.* Shipley, West Yorkshire, England: Metro Enterprises, Ltd., 1989. ("Marshall")	October 9, 1990

Exhibit	Publication	Publicly Available On or After
1020	Larkin, David. *Working Wagons: A Pictorial Review of Freight Stock on the B.R. System. Volume 3: 1980-1984.* Kingston-upon-Hull, East Yorkshire, England: Santona Pub., 2001. ("Larkin 2")	February 17, 2003
1018	Ratcliffe, David. *Private Owner Wagons in Colour for the Modelier and Historian.* Hersham, Surrey, England: Ian Allan Pub., 2009. ("Ratcliffe 2")	December 2, 2008
1021	Buck, Martin, and Mark Rawlinson. *Wagon Recognition. Volume 1, Carkinds B to W.* Swindon, Wiltshire, England: Freightmaster Pub., 2008. ("Buck")	April 28, 2008
1017	Ratcliffe, David. *Modern Private Owner Wagons on British Rail.* Wellingborough, Northamptonshire, England: Patrick Stephens Limited, 1989. ("Ratcliffe 1")	October 11, 1989

In signing this Report, I recognize that the Report will be filed as evidence in a case before the Patent Trial and Appeal Board of the United States Patent and Trademark Office. I also recognize that I may be subject to cross-examination in the case and that cross-examination will take place within the United States. If cross-examination is required of me, I will appear for cross-examination within the United States during the time allotted for cross-examination.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1009 of Title 18 of the United States Code.

Date: May 26, 2025

Sylvia D. Hall-Ellis

Sylvia D. Hall-Ellis, Ph.D.

Bibliographic Record - OCLC Number: 32802589

LDR	Record Status	'c' - Corrected or revised
	Type of Record	'a' - Language material
	Bibliographic Level	'm' - Monograph/Item
	Type of Control	' ' - No specified type of control
	Encoding Level	' ' - Full level
	Descriptive Cataloging Form	'i' - ISBD punctuation included
001	32802589	
005	20240127100239.6	
008	Date Entered on File	'950712'
	Type of Date/Publication Status	's' - Single date
	Date1/Beginning Date of Publication	'1906'
	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'nyu' - New York
	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	'dr '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
	Language Code	'eng' - English
	Modified Record	' ' - Record is not modified
	Cataloging Source Code	' ' - National bibliographic agency

010 06023720

040 DLC **$b** eng **$e** rda **$c** KUK **$d** OCLCQ **$d** KRTAS **$d** OCLCQ **$d** OCLCO **$d** UMS **$d** OCLC F **$d** OCLCO **$d** OCLCQ **$d** OCLCO **$d** OCLCL

050 0 TF373 **$b** .M42 1906

082 4 625.2 **$q** OCoLC **$2** 23/swe/20230203

110 2 Master Car Builders' Association.

245 1 4 The car builders' dictionary : **$b** an illustrated vocabulary of terms which designate American railroad cars, their parts, attachments, and details of construction, with definitions and illustrations of typical British practice in car construction / **$c** six thousand three hundred and forty-four illustrations ; 1906 edition ; compiled for the Master Car Builders' Association by Rodney Hitt.

264 1 New York : **$b** Railroad Gazette, **$c** 1906.

300 3 preliminary leaves, 166, [4], 568 pages : **$b** illustrations ; **$c** 31 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

500 "The 1st ed. of the Car builders' dictionary was published ... in 1879 ... it was revised and published ... in 1884 ... in 1895 ... in 1903 ..."

650 0 Railroad cars **$v** Dictionaries.
650 7 Railroad cars **$2** fast
655 7 dictionaries. **$2** aat
655 7 Dictionaries **$2** fast
655 7 Dictionaries. **$2** lcgft
655 7 Dictionnaires. **$2** rvmgf
700 1 Hitt, Rodney.
758 **$i** has work: **$a** The car builders' dictionary (Text) **$1** https://id.oclc.org/worldcat/entity/E39PCGgjTPRMjhFJxrkrbhpfD3 **$4** https://id.oclc.org/worldcat/ontology/hasWork
776 0 8 **$i** Online version: **$a** Master Car Builders' Association. **$t** Car builders' dictionary. **$d** New York, Chicago, Railroad gazette; [etc.] 1906 **$w** (OCoLC)741985539
938 Kirtas Technologies, Inc. **$b** KRTS **$n** 682640
029 1 AU@ **$b** 000051341320

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MARC Display | Labelled Display

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LCCN Permalink: https://lccn.loc.gov/sh85110916
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040 __ |**a** DLC |**c** DLC |**d** DLC
053 _0 |**a** TF600 |**b** TF606 |**c** Operation
150 __ |**a** Railroad cars
450 __ |**a** Cars, Railroad
450 __ |**w** nne |**a** Railroads |**x** Cars
550 __ |**w** g |**a** Railroads |**x** Rolling stock
550 __ |**a** Railroads |**x** Car reporting systems
670 __ |**a** Transportation research thesaurus online, Aug. 11, 2006 |**b** (Railroad cars)
906 __ |**t** 0642 |**u** te04 |**v** 0
953 __ |**a** xx00 |**b** ta27

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URL: http://authorities.loc.gov/
Library of Congress Online Catalog
URL: https://catalog.loc.gov/

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LC control no.: sh 85042997
LCCN Permalink: https://lccn.loc.gov/sh85042997
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005 20120323073014.0
008 860211i| anannbabn |a ana
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035 __ |**a** (DLC)sh 85042997
035 __ |**a** (DLC)5706469
035 __ |**a** (DLC)sp 85042997
035 __ |**a** (DLC)286945
040 __ |**a** DLC |**c** DLC |**d** DLC
053 _0 |**a** AE |**c** Encyclopedias
053 _0 |**a** AG |**c** Dictionaries
150 __ |**a** Encyclopedias and dictionaries
360 __ |**i** subdivisions |**a** Dictionaries |**i** or |**a** Encyclopedias |**i** under subjects
450 __ |**a** Books of knowledge
450 __ |**a** Cyclopedias
450 __ |**a** Dictionaries
450 __ |**a** Encyclopedias and dictionaries, English
450 __ |**a** Knowledge, Books of
450 __ |**a** Subject dictionaries
550 __ |**w** g |**a** Reference books
680 __ |**i** Here are entered comprehensive reference works in the English language consisting of explanatory articles arranged alphabetically or topically and not limited to a specific topic. Works of this type in other languages are entered under headings of the type Encyclopedias and dictionaries, [language], e.g. |**a** Encyclopedias and dictionaries, French; Encyclopedias and dictionaries, Spanish. |**i** Works about encyclopedias and dictionaries in general, and works about English-language encyclopedias and dictionaries, are entered under |**a** Encyclopedias and dictionaries |**i** with further subdivision, e.g. |**a** Encyclopedias and dictionaries--History and criticism. |**i** Works consisting of comprehensive alphabetical lists of the words of a specific language, usually with definitions, are entered under the heading for the language with subdivision Dictionaries, e.g. |**a** English language--Dictionaries. |**i** Works about dictionaries of a

specific language are entered under the heading for the language with subdivision Lexicography, e.g. |**a** English language--Lexicography.

906 __ |**t** 0233 |**u** te04 |**v** 0

953 __ |**a** xx00 |**b** td14

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URL: http://authorities.loc.gov/
Library of Congress Online Catalog
URL: https://catalog.loc.gov/

Questions, comments, error reports: Contact Us

Bibliographic Record - OCLC Number: 33187168

LDR	Record Status	'c' - Corrected or revised
	Type of Record	'a' - Language material
	Bibliographic Level	'm' - Monograph/Item
	Type of Control	' ' - No specified type of control
	Encoding Level	'M' - Added from a batch process
	Descriptive Cataloging Form	' ' - Non-ISBD
001	33187168	
005	20141104151846.9	
008	Date Entered on File	'950921'
	Type of Date/Publication Status	's' - Single date
	Date1/Beginning Date of Publication	'1909'
	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'nyu' - New York
	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	'd '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
	Language Code	'eng' - English
	Modified Record	' ' - Record is not modified
	Cataloging Source Code	'd' - Other

040 ORX **$b** eng **$c** ORX **$d** OCLCQ **$d** OCLCF **$d** OCLCQ **$d** OCLCO **$d** OCLCQ

110 2 Master Car Builders' Association.

245 1 4 The car builders' dictionary; **$b** an illustrated vocabulary of terms which designate American railway cars, their parts, attachments, and details of construction ...

250 1909 ed. **$b** Comp. ... by Francis E. Lister.

260 New York, **$b** Railway age gazette, **$c** 1909.

300 89, 676 pages : **$b** illustrations ; **$c** 31 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

650 0 Railroad cars **$x** Design and construction.

650 0 Railroad cars **$v** Dictionaries.

650 7 Railroad cars. **$2** fast **$0** (OCoLC)fst01431051

650 7 Railroad cars **$x** Design and construction. **$2** fast **$0** (OCoLC)fst01431059

655 7 Dictionaries. **$2** fast **$0** (OCoLC)fst01423826

700 1 Lister, Francis E.

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LCCN Permalink: https://lccn.loc.gov/sh85110918
HEADING: Railroad cars Design and construction

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008 860211|| anannbabn |n ana
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035 __ |**a** (DLC)348091
040 __ |**a** DLC |**c** DLC |**d** DLC
150 __ |**a** Railroad cars |**x** Design and construction
906 __ |**t** 0642 |**u** te04 |**v** 0
952 __ |**a** ca. 45 bib. records to be changed
953 __ |**a** xx00 |**b** ta27

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Mailing Address:
101 Independence Ave, S.E.
Washington, DC 20540

Library of Congress Authorities
URL: http://authorities.loc.gov/
Library of Congress Online Catalog
URL: https://catalog.loc.gov/

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Bibliographic Record - OCLC Number: 1023195459

LDR	Record Status	'c' - Corrected or revised
	Type of Record	'a' - Language material
	Bibliographic Level	'm' - Monograph/Item
	Type of Control	' ' - No specified type of control
	Encoding Level	' ' - Full level
	Descriptive Cataloging Form	'a' - AACR2
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008	Date Entered on File	'870521'
	Type of Date/Publication Status	's' - Single date
	Date1/Beginning Date of Publication	'1912'
	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'nyu' - New York
	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	'd '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
	Language Code	'eng' - English
	Modified Record	' ' - Record is not modified
	Cataloging Source Code	'd' - Other

040 S3O **$b** swe **$c** S3O **$d** OCL **$d** OCLCL **$d** OCLCQ

050 1 4 TF373 **$b** .C37

082 4 625.2 **$2** 23/swe

245 0 0 Car builders' dictionary : **$b** definitions and illustrations of American railway cars, their parts and equipment / **$c** compiled and edited for the Master Car Builders' Association by Roy V. Wright ; assisted by Andrew C. Loudon.

250 7th ed.

260 New York : **$b** Simmons-Boardman, **$c** 1912.

300 953 pages : **$b** illustrations ; **$c** 30 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

500 Earlier editions titled: Car builders' cyclopedia.

650 4 Railroad cars **$v** Dictionaries.

650 7 Railroad cars. **$2** fast **$0** (OCoLC)fst01431051

650 7 Järnvägsvagnar. **$2** sao

655 7 Dictionaries. **$2** fast **$0** (OCoLC)fst01423826

700 1 Loudon, Andrew C.
700 1 Wright, Roy V. **$q** (Roydon Vincent), **$d** 1876-
710 2 Master Car Builders' Association.
758 The Car-builder's dictionary (Text) **$1** https://id.oclc.org/worldcat/entity/E39PCYrjVGt4GQQqFqPgQ8cWrC **$4** https://id.oclc.org/worldcat/ontology/hasWork
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Bibliographic Record - OCLC Number: 1242834

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	Bibliographic Level	'm' - Monograph/Item
	Type of Control	' ' - No specified type of control
	Encoding Level	' ' - Full level
	Descriptive Cataloging Form	'i' - ISBD punctuation included
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005	20231213210205.5	
008	Date Entered on File	'750328'
	Type of Date/Publication Status	's' - Single date
	Date1/Beginning Date of Publication	'1922'
	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'nyu' - New York
	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	'd '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'1' - Index present
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
	Language Code	'eng' - English
	Modified Record	' ' - Record is not modified
	Cataloging Source Code	'c' - Cooperative cataloging program

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040 TLM **$b** eng **$c** TLM **$d** OCLCQ **$d** KRTAS **$d** OCLCQ **$d** OCLCO **$d** UAB **$d** OCLCF **$d** OCLCQ **$d** OHT **$d** OCL **$d** OCLCQ **$d** OCLCO **$d** OCLCL

050 4 TF373 **$b** .M5 1922

082 0 4 625.22

245 0 0 Car builders' cyclopedia of American practice : **$b** definitions and typical illustrations of cars, their parts and equipment, descriptions and illustrations of tools and methods employed in their construction and repair, cars built in America for industrial operations and foreign railroads / **$c** compiled and edited for the American Railway Association, Division V, Mechanical (formerly Master Car Builders' Association) ; editor, Roy V. Wright ... managing editor: Charles N. Winter ...

250 10th ed.

260 New York : **$b** Simmons-Boardman Pub. Co., **$c** ©1922.

300 1192 pages : **$b** illustrations ; **$c** 31 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

500 Includes index.

500 Earlier editions by the Master Car Builders' Association, have title: Car builders' dictionary.
650 0 Railroad cars **$v** Encyclopedias.
650 0 Railroad cars **$v** Dictionaries.
650 0 Railroad cars **$x** Design and construction **$v** Encyclopedias.
650 0 Railroad cars **$x** Maintenance and repair **$v** Encyclopedias.
650 0 Railroad cars **$x** Maintenance and repair **$v** Dictionaries.
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655 7 Dictionnaires. **$2** rvmgf
700 1 Wright, Roy V. **$q** (Roydon Vincent), **$d** 1876- **$e** editor. **$1** https://id.oclc.org/worldcat/entity/E39PBJr7QJ3YQtBj8X7yJJXjmd
700 1 Winter, Charles Nicholas, **$d** 1877- **$e** editor.
710 2 American Railway Association. **$b** Mechanical Division.
938 Kirtas Technologies, Inc. **$b** KRTS **$n** 682563

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360 __ |**i** subdivisions |**a** Dictionaries |**i** or |**a** Encyclopedias |**i** under subjects
450 __ |**a** Books of knowledge
450 __ |**a** Cyclopedias
450 __ |**a** Dictionaries
450 __ |**a** Encyclopedias and dictionaries, English
450 __ |**a** Knowledge, Books of
450 __ |**a** Subject dictionaries
550 __ |**w** g |**a** Reference books
680 __ |**i** Here are entered comprehensive reference works in the English language consisting of explanatory articles arranged alphabetically or topically and not limited to a specific topic. Works of this type in other languages are entered under headings of the type Encyclopedias and dictionaries, [language], e.g. |**a** Encyclopedias and dictionaries, French; Encyclopedias and dictionaries, Spanish. |**i** Works about encyclopedias and dictionaries in general, and works about English-language encyclopedias and dictionaries, are entered under |**a** Encyclopedias and dictionaries |**i** with further subdivision, e.g. |**a** Encyclopedias and dictionaries--History and criticism. |**i** Works consisting of comprehensive alphabetical lists of the words of a specific language, usually with definitions, are entered under the heading for the language with subdivision Dictionaries, e.g. |**a** English language--Dictionaries. |**i** Works about dictionaries of a

specific language are entered under the heading for the language with subdivision Lexicography, e.g. |**a** English language--Lexicography.

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CURRICULUM VITAE SYLVIA D. HALL-ELLIS

EDUCATION

Ph.D., University of Pittsburgh, Pittsburgh, Pennsylvania, 1985
M.P.S., University of Denver, Denver, Colorado, 2014
Post Graduate Studies, University of Texas – San Antonio, Texas, 1975-1976
M.L.S., University of North Texas, Denton, Texas, 1972
B.A., Rockford University, Rockford, Illinois, 1971

PROFESSIONAL EXPERIENCE

1981- **Consultant for higher education, non-profit organizations, and corporations.**

2002- **Adjunct Professor, School of Information, San José State University, San José, California.** Serve as part-time faculty member teaching graduate students in technical services (cataloging, bibliographic control, classification), "core courses," and special topics.

2014-2016 **Director, Grants and Resource Development, Colorado Community College System.** Provided leadership and vision to foster the continued growth of rigorous scholarship, innovative projects, and creative work for statewide system, 13 campuses, and 50 teaching sites serving 155,000 students. Responsible for leadership and ensured efficient functioning of contract and grants in compliance with state & federal requirements and successful implementation and management. Served as a subject matter expert and liaison for college Grant Directors for all issues relating to grants and subcontracts.

2010-2014 **Senior Grant Administrator, Morgridge College of Education, University of Denver (Colorado).** Provided leadership and vision to foster continued growth of rigorous scholarship, innovative research, and creative work in the Morgridge College of Education. Ensure that contract and grants processes function effectively and efficiently for 60 faculty and researchers with a focus on the successful progression and efficient management of grants totaling $13M. Worked effectively and collegially with Department Chairs and Program Coordinators on operational grant-related management activities and with a broad range of internal and external constituencies. Supported the dissemination and promotion of faculty research and scholarship to outside constituents at conferences and through publications. Assisted Principal Investigators and grant project teams by coaching, mentoring, and financial management.

2011-2013 **Interim Director & Assistant Dean, Westminster Law Library, Sturm College of Law, University of Denver.** Planned, organized, and directed all administrative activities for the library serving students, faculty, and alumni; oversaw the employment, retention, promotion, transfer and termination of library personnel; represented the library at professional conferences and public meetings; created and promoted a climate and culture of acceptance for new programs and services, a positive high-quality image of the law library, and that reflect the organization's values, encourage excellent performance, and reward high productivity and innovation; provided leadership and set strategic direction of the organization; ensured that the library provided excellent customer service through solution-oriented staff response to patron needs and by responsiveness and continuous improvement of the organization; promoted, developed, and maintained positive working relationships with colleagues and customers including key stakeholders and groups, higher education institutions, the legal community, other regional libraries and districts statewide, and national library organizations.

2007-2014 **Associate Professor, Library & Information Science, Morgridge College of Education, University of Denver (Colorado).** Served in leadership role and worked collaboratively in program, college, campus and community environments. Advised and supervised students, taught core and specialized courses at the graduate level in an integrative, student-centered learning environment. Served on LIS, College, and University committees, and maintained working relationships with colleagues in other academic units and information professionals in the Rocky Mountain region and beyond. Served on and chair doctoral student dissertation committees. Oversaw and facilitated the College and LIS graduate student association.

2002-2007 **Assistant Professor, Library & Information Science, College of Education, University of Denver (Colorado).** Served as tenure-track faculty member teaching graduate students in "core courses," resource description and access, service learning, and independent studies. Advised graduate students, participate on LIS and College committees, and serve on doctoral student dissertation committees. Oversaw and facilitated the LIS graduate student association and alumni association.

2000-2002 **Affiliate Faculty, Library & Information Science, College of Education, University of Denver (Colorado).** Served as part-time faculty member teaching graduate students in technical services (cataloging, bibliographic control, classification), "core courses," and special topics. Oversaw and facilitated the LIS graduate student association and alumni association.

2000-2001 **Special Assistant to the Secretary's Regional Representative, U.S. Department of Education, Region VIII, Denver, Colorado.** Served as the principal advisor and representative of the U. S. Secretary of Education's Regional Representative (SRR). Ensured the implementation of major goals of the SRR and the Secretary. Provided leadership on behalf of the SRR in contacts with high-level officials in Region VIII requiring sensitive policy interpretation in communication with senior Department officials to solve problems and resolve issues raised by State and local education officials. Served as the primary contact for School-to-Work/Career, Children's Health Insurance Program, and Safe and Drug-Free Schools. Delivered technical assistance to local education agencies and institutions of higher education in technology, professional development, and school construction.

1999-2000 **Catalog Librarian, Jefferson County Public Library, Lakewood, Colorado.** Performed original, copy cataloging and classification of library materials (English and Spanish) using standard library protocols; completed original descriptive cataloging and subject analysis; enhanced brief catalog and authority records in III.

1997-1999 **Development Officer, McREL International, Aurora, Colorado.** Served as senior member of corporate management team in strategic planning, development of proposals and contracts, implementation, and evaluation of new services, products, and programs for educational agencies. Provided creative leadership to corporate committees to solicit ideas, identify goals and objectives, plan, develop, present, and evaluate professional development opportunities.

1995-1997 **Education Specialist, Education Service Center, Region One, Edinburg, Texas.** Served as member of Administrative Cabinet team in strategic planning, development of proposals and contracts, implementation, and evaluation of telecommunications capabilities, services, products, and programs for 40 school districts serving 283,000 students in 7 counties. Provided creative leadership to regional and state committees to solicit ideas, identify strategic goals and objectives, plan, develop, present, and evaluate funding opportunities and professional development for 400 librarians.

1993-1996 **Assistant Professor of Library Science, Sam Houston State University, Huntsville, Texas.** Served a faculty member teaching 400 graduate students in technical services (cataloging, bibliographic control, classification), automation, and networking. Participated in distance education program and coordinated annual conference. Conducted university and Texas Library Association-funded field research focused on library collection development and academic achievement.

1992-1993 **Head Librarian, Rocky Mountain College of Art & Design, Denver, Colorado.** Responsible for the daily operation, selection and acquisition of materials, formulation of policies for library operations, media center, and photography/slides archives. Designed and implemented library automation and delivery of electronic resources to college community.

1981-1985 **Development Officer, PRLC, Inc., Pittsburgh, Pennsylvania.** Served as senior member of corporate management team in strategic planning, development of proposals and contracts, implementation, and evaluation of new services, products, and programs for 100 institutional member organizations. Coordinated the development of proposals and contracts totaling $4,000,000 annually. Provided creative leadership to corporate committees to solicit ideas, identify goals and objectives, plan, develop, present, and evaluate professional development opportunities.

1981 **Director of Library Development, Pennsylvania Department of Education, Harrisburg, Pennsylvania.** Responsible for statewide development, technical assistance, professional development, resource sharing, children's services, institutional library services, networking, and state aid program for all libraries throughout the Commonwealth. Functioned as liaison to Governor's Advisory Council, LSCA Advisory Council, District Administrators, private colleges, universities, consortia managers, and network directors. Supervised $14,000,000 formula-based state aid program and $3,000,000 grant awards to individual libraries, consortia, and networks.

1978-1981 **Assistant Director, Southern Tier Library System, Corning, New York.** Coordinated operation of system-wide programs (technical assistance, professional development, resource sharing, technical services, outreach) to 40 public libraries in 5 counties serving 500,000 residents. Solicited ideas, identified goals, sponsored, and evaluated professional development opportunities and technical assistance sessions.

1976-1978 **Division Librarian for Technical Services, Corpus Christi Public Libraries, Corpus Christi, Texas.** Provided leadership in acquisitions, cataloging, serials control, and processing for main library and 4 branches serving 250,000 residents. Participated as senior member of library management team. Compiled and prepared technical evaluations, reports, and statistical analyses of Division operations to measure the achievement and cost of annual goals, objectives, and staff performance.

1975-1976 **System Coordinator, San Antonio Major Resource Center, San Antonio, Texas.** Served as senior member of the management team for District X Office, charged to provide technical assistance, resource sharing, media services, and professional development to librarians and staff representing 30 public library jurisdictions in 21 counties serving 1,500,000 residents. Functioned as liaison to System Director, staff, and members of governing bodies with the System Board of Directors and the Texas State Library and Historical Commission. Prepared LSCA grant applications and monitored awards totaling $1,100,000 annually.

Attachment 5

1973-1975	**Bilingual Branch Librarian, San Antonio Public Library, San Antonio, Texas.** Worked as librarian providing reference, information, and readers' advisory services in branch serving 50,000 Spanish-speaking residents in southwest San Antonio. Participated in collection development and resource acquisition activities, specializing in children's work, Spanish language resources, and multicultural studies.
1972-1973	**Librarian, Holding Institute, Laredo, Texas.** Worked as high school librarian serving 500 boarding students in Spanish-speaking environment of private school. Provided reference, research assistance, and library instruction to students and 35 faculty members.
1966-1971	**Rockford Public Library, Rockford, Illinois.** Worked in branches as part-time as a Library Assistant, Clerk, and Page in city library serving 150,000 residents.

PUBLICATIONS

Editor-reviewed Monographs (Completed and in Progress)

Hall-Ellis, Sylvia D., and Mary Bolin. *Contemporary Cataloging in an RDA Environment: A Handbook for Students and Practitioners.* Chicago, IL: American Library Association. Under contract & In development.

RDA Testing: Lessons Learned and Challenges Revealed. Sylvia D. Hall-Ellis and Robert O. Ellett, Jr., eds. Binghamton, N.Y.: Haworth, 2012. 128 p.

Hall-Ellis, Sylvia D., Stacey L. Bowers, Christopher D. Hudson, and M. Claire Williamson. *Librarian's Handbook for Seeking, Writing, and Managing Grants.* Santa Barbara, Calif.: Libraries Unlimited, 2011. 315 p.

Hall-Ellis, Sylvia D., with Ann Jerabek, and Merrie W. Valliant. *Contemporary Cataloging: A Handbook for Practitioners and Students.* Open access text. Athens, GA: University of Georgia System Regents, 2011. 767 p.

Grealy, Deborah S. and Sylvia D. Hall-Ellis. *From Research to Practice: The Scholarship of Teaching and Learning in LIS Education.* Westport, Conn.: Libraries Unlimited, 2009. 175 p.

Hall-Ellis, Sylvia D. with J. Ann Jerabek. *Grants for School Libraries.* Westport, Conn.: Libraries Unlimited, 2003. 197 p.

Hall-Ellis, Sylvia D., Doris Meyer, Frank W. Hoffmann, with J. Ann Jerabek. *Grant Writing for Small Libraries and School Library Media Centers.* Boulder, Colo.: NetLibrary, 2001. 173 p.

Hall-Ellis, Sylvia D., Doris Meyer, Frank W. Hoffmann, with J. Ann Jerabek. *Grant Writing for Small Libraries and School Library Media Centers.* Englewood, Colo: Libraries Unlimited, 2000. 173 p.

Editor-reviewed Chapters (Completed and In Progress)

Hall-Ellis, Sylvia D. "Prepared to Lead: Talent, Skills, and Competencies." In *Telling the Technical Services Story*. Chicago, IL: American Library Association, 2020. Program Presentation for Re-Accreditation by the American Library Association, School of Information, San Jose State University, 2022.

Hall-Ellis, Sylvia D. "Grant Writing and Sponsored Research Funding for Academic Librarians." In *The New Librarianship.* Vol. 4. Bradford Lee Eden, ed. New York: Scarecrow Press, 2015. (pp. 163-174)

Hall-Ellis, Sylvia D. "Organizing Information: Technical Services." In *Information Services Today: An Introduction.* Sandra Hirsch, ed. Lantham, Md.: Rowman and Littlefield, 2015. (pp. 139-148)

Hall-Ellis, Sylvia D. "Metadata, MARC, and More." In *Rethinking Technical Services, Considering Our Profession and Ourselves: What's the Future of Our Profession?* Mary Beth Weber, ed. Lantham, Md.: Rowman and Littlefield, 2015. (pp. 29-55)

Hall-Ellis, Sylvia D., ed. "Contingent Faculty: Non-Tenure Track Faculty Series." In the *Faculty Personnel Guidelines Relating to Appointment, Promotion, and Tenure.* November 2011. Denver, Colo.: University of Denver, 2011. 42 p.

Hall-Ellis, Sylvia D., ed. "Standard VII: Information Resources." In the *Sturm College of Law Self-Study Presentation for Accreditation by the American Bar Association.* Denver, Colo.: University of Denver, Sturm College of Law, 2011. 20 p.

Hall-Ellis, Sylvia D. "Applying for Grants from Foundations, Corporations, or Government." In *The Volunteers' Guide to Fundraising: Raise Money for Your School Team, Library or Community Group.* 1st ed. Ilona M. Bray, ed. Berkeley, Calif.: Nolo, 2011. (pp. 1-38 on accompanying disc)

Hall-Ellis, Sylvia D., ed. "Standard III: The Faculty." In the *Library and Information Science Program Self-Study Document for Accreditation by the American Library Association.* Denver, Colo.: University of Denver, Morgridge College of Education, 2010. 22 p.

Hall-Ellis, Sylvia D. "Library and Information Science Programs and Education for Catalogers and Metadata Specialists: Challenges for the Twenty-first Century." In *Conversations with Catalogers in the Twenty-First Century.* Elaine R. Sanchez, ed. Santa Barbara, Calif.: ABC-Clio, 2010. (pp. 226-254)

Hall-Ellis, Sylvia D., ed. "Standard III: The Faculty." In the *Library and Information Science Program Self-Study Document for Accreditation by the American Library Association.* Denver, Colo.: University of Denver, College of Education, 2003. 15 p.

Lesesne, Teri S. and Sylvia D. Hall-Ellis. "The Selection, Evaluation, and Integration of Culturally Authentic Texts: A Case for Making the Online Catalog Reflect Parallel Cultures." In *Literacy: Traditional, Cultural, Technological.* Pittsburgh, Pa.: International Association of School Librarianship, 1995. (pp. 110-113)

Lesesne, Teri S. and Sylvia D. Hall-Ellis. *The Selection, Evaluation, and Integration of Culturally Authentic Texts: A Case for Making the Online Catalog Reflect Parallel Cultures.* In *Conference Proceedings* of the 23rd Annual International Association of School Librarianship, Pittsburgh, Pennsylvania, July 17-22, 1994. ERIC Document ED374816. 17 p.

Hall-Ellis, Sylvia D. "Curriculum Folio for School Library Media Specialist Programs." In the *National Council for Accreditation of Teacher Education Self-Study for Sam Houston State University.* Huntsville, Tex.: Sam Houston State University, College of Education and Applied Science, 1994. 25 p.

Bruntjen, Scott and Sylvia D. Hall. "Attempting to Automate: Lessons Learned Over Five Years." In *Advances in Library Administration*. Volume 4. Weston, Conn.: JAI Press, 1985. (pp. 177-192)

Peer-Reviewed Journal Articles (Completed and In Progress)

Hall-Ellis-Sylvia D. "Job Design for Cataloging and Metadata Librarians." Submitted to *Journal of Library Administration.* In progress.

Hall-Ellis, Sylvia D. "The Relationship of Situational Leadership and the Dreyfus Model of Skill Acquisition for Supervisors in Cataloging and Metadata Services." To be submitted to *Library Resources and Technical Services.* In progress.

Hall-Ellis, Sylvia D. *The Relationship of Core Competencies on Learning Outcomes and Employers' Expectations for Catalog Librarians and Metadata Specialists.* To be submitted to the *Journal of Education for Library and Information Science.* In progress.

Hall-Ellis, Sylvia D. "Building Cataloger Competencies: The Dreyfus Model as a Prototype for the Education and Professional Development of Catalog Librarians and Metadata Specialists in Bibliographic Control." To be submitted to the *Cataloging & Classification Quarterly.* In progress.

Hall-Ellis, Sylvia D. "Descriptive Impressions of Entry-Level Cataloger and Metadata Specialists Positions, 2000-2016: Reflections and Trends." To be submitted to *Library Resources and Technical Services.* In progress.

Hall-Ellis, Sylvia D. "Competencies for Metadata and Cataloging Leaders: What Employers Expect as Reflected in Position Descriptions, 2000-2016." *Cataloging & Classification Quarterly*. In progress.

Hall-Ellis, Sylvia D. "Stackable Micro-credentials – A Framework for the Future." *The Bottom Line 29*, no. 4 (April 2016), http://www.emeraldinsight.com/doi/pdfplus/10.1108/BL-02-2016-0006
Ellis, Sylvia D. "Succession Planning and Staff Development – A Winning Combination." *The Bottom Line*, 28 no. 3 (May 2015): 95-98.

Hall-Ellis, Sylvia D. "Succession Planning and Staff Development – A Winning Combination." *The Informed Librarian Online* (September 2015), http://www.informedlibrarian.com/featuredArticle.cfm?FILE=succession_1509.pdf

Hall-Ellis, Sylvia D. "Nudges and Decision Making: A Winning Combination." *The Bottom Line 28*, no. 4 (July 2015): 133-136.

Hall-Ellis, Sylvia D. "Succession Planning and Staff Development – A Winning Combination." *The Bottom Line 28*, no. 3 (May 2015): 95-98.

Hall-Ellis, Sylvia D. "Metadata Competencies for Entry-Level Positions: What Employers Expect as Reflected in Position Descriptions, 2000-2013." *Journal of Library Metadata 15*, no. 2 (June 2015): 102-134.

Hall-Ellis, Sylvia D. "Onboarding to Improve Library Retention and Productivity." *The Bottom Line 27*, no. 4 (October 2014).

Hall-Ellis, Sylvia D. "Accept, Coach, and Inspire: A Formula for Success." *The Bottom Line 27*, no. 3 (July 2014): 103-106.

Hall-Ellis, Sylvia D. *Reward Systems for Staff in Higher Education Institutions: Case Studies of 15 Higher Education Institutions in Colorado.* Capstone Thesis. Denver, Colo.: University of Denver, University College, 2014.

Hall-Ellis, Sylvia D. "Reward Systems Promote High-Performance Work Teams Achieving Library Mission." *The Bottom Line 27*, no. 2 (April 2014): 66-69.

Hall-Ellis, Sylvia D. "Investment in Staff Development for Seeking External Grant Funds." *The Bottom Line 27*, no. 1 (January 2014): 22-25.

Hall-Ellis, Sylvia D. "Staff Investments for High Performance Teams." *The Bottom Line 26*, no. 4 (October 2013): 149-152.

Hall-Ellis, Sylvia D. and Deborah S. Grealy. "Service Learning in LIS Education: A Case for Holistic Assessment." *Catholic Library World* 82, no. 3 (March 2012): 178-187.

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Frugal Librarian. Carol Smallwood, ed. Chicago, IL: American Library Association, 2011. 978-0-83891-075-7, $42.00 [*Colorado Libraries*, February 2012]

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Martínez, Guillermo. *La Muerte Lenta de Luciana B.* New York: Rayo Planeta, 2008. 978-0-06-156551-9, $14.95 [*Críticas*, May 2008]

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Matthews, Joseph R. *Library Assessment in Higher Education.* Westport, Conn.: Libraries Unlimited, 2007. 978-1-59158-531-2, $45.00 [*Colorado Libraries*, February 2008]

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Tibol, Raquel. *Los Murales de Diego Rivera: Universidad Autónoma Chapingo.* México, D.F.: Editorial RM, Universidad Autónoma Chapingo, 2002. 968-5208-08-5 [*Críticas*, 2003]

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Bardach, Ann Louise. *Cuba Confidential: Love and Vengeance in Miami and Havana.* New York: Random, 2002. 0-375-50489-3, $25.95 [*Library Journal*, 2002]

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Vargas Lizano, Isabel. *Y Si Quieres Saber de Mi Pasado.* Con la colaboración de J.C. Vales. Madrid: Santillana Ediciones Generales, S.L., 2002. 84-03-09278-4, $18.95 [*Críticas*, 2002]

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Attachment 5

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Martínez, Rubén. *Crossing Over: A Mexican Family on the Migrant Trail.* Metropolitan: Holt, 2001. 0-8050-4908-8, $26.00 [*Library Journal*, 2001]

Guevara, Ernesto "Che." *The African Dream: the Diaries of the Revolutionary War in the Congo.* Translated from the Spanish by Patrick Camiller. With an introduction by Richard Gott and a foreword by Aleida Guevara March. New York: Grove Press, 2001. 0-8021-3834-9, $13.00 [*Library Journal*, 2001]

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NATIONAL SERVICE & PROFESSIONAL AFFILIATIONS

American Library Association, Life Member
Association for Library Collections & Technical Services (now CORE)
Cataloging, Classification, and Metadata Section
Margaret Mann Citation Committee, 2023-
ALCTS Editorial Board, Member, 2015-2019
Committee on Cataloging: Description and Access, Member, 2008-2012
Test Site for RDA, Manager, 2009-2011
Nominating Committee, Member, 2007-2008
Committee for Education and Training of Catalogers, Chair, 2006-2007, Member, 2003-2007
Competencies & Education for a Career in Cataloging Interest Group, Chair, 2010-2012; Member, 2010-
President's Program Committee, 2015-2016
Education Committee, Member, 2005-2007
Task Force on Competencies and Education for a Career in Cataloging, Chair, 2007-2009
2007 Annual Meeting Pre-conference, "What They Don't Teach in Library School: Competencies, Education and Employer Expectations for a Career in Cataloging," Steering Committee Chair
Fundraising Committee, Member, 2004-2006
Office of Diversity
Committee on Diversity, Chair, 2010-2011
Diversity Research Advisory Committee, Member, 2009-2010
Spectrum Scholar Mentor, 2009
Diversity Grants Review Committee, Member, 2007, 2010, 2012
Office of Statistics and Research
Research and Statistics Committee, Member, 2005-2007; Intern, 2003-2005
Library Research Round Table
Nominating Committee, 2022-2023
Membership Committee, 2019-2021
Board of Directors, Member At-Large, 2009-2012
Office of Accreditation
Accreditation Panel Member (training completed 2004)
Accreditation Review Panel Member (training completed 2004)

REFORMA, Life Member
National Board of Directors, 2005-2013
National Fundraising Chair, 2005-2013
National Recruiting and Mentoring Committee, 2008-2010
Colorado Chapter, Secretary, 2004-2005
Colorado Chapter Liaison to National Board of Directors, 2004-2013

American Association of Law Libraries (AALL), Life Member Online Audiovisual Catalogers Association (OLAC) Colorado Association of Law Librarians (CoALL)

American Association of University Women Association for Library and Information Science Education (ALISE)
University of Denver ALISE Representative, 2003-2008; 2010-2011
Membership Advisory Committee, 2007-2010
Technical Services Education Special Interest Group, 2003-
Garfield Doctoral Dissertation Award Reviewer, 2012
Garfield Doctoral Dissertation Scholarship Reviewer, 2014

American Association of University Professors (AAUP), 2006-

American Grant Writers Association, 2014- Grant Professionals Institute, 2016- National Grants Management Association, 2014-
Grant Reviewer (National and Regional Team Leader), U.S. Department of Education, 1998- Grant Reviewer, Broadband Technologies Opportunity Program, U.S. Department of Commerce, 2009
Grant Reviewer, Institute of Museum and Library Services, 1998-2000
Grant Reviewer, Colorado Department of Education, 2014-
Grant Reviewer, Colorado State Library, 1998-
Grant Reviewer, American Association of Community Colleges *Working Connections* program, 1999
Peer Reviewer, *Journal for Library and Information Science Education*, 2005-
Peer Reviewer, *Journal of Library Metadata*, 2009
Peer Reviewer, *International Journal of Library and Information Science*, 2011
Regular Columnist, *The Bottom Line*, 2013-2016
Book Reviewer, *Library Journal*, 2001
Book Reviewer, *Críticas*, 2002-2009
Book Reviewer, *Colorado Libraries*, 2000-2012

REGIONAL SERVICE & PROFESSIONAL AFFILIATIONS

Mountain Plains Library Association
Professional Development Grants Committee, Member, 2005-2006
Professional Development Policy and Guidelines Sub-committee Chair, 2006

Colorado Association of Libraries
"Student Voices" Column Editor, *Colorado Libraries*, 2005-2006
Conference Planning Committee, Member, 2002
Technical Services and Automation Division, Chair, 2002-2003; Member, 2000-
Academic Libraries Division, Peer Review Conference Papers Committee, Member, 2007-2009
Education Committee, Member, 1988-1993
Diverse Populations Committee, Member, 2009-2013

SERVICE TO THE UNIVERSITY OF DENVER
Center for Teaching and Learning Faculty Advisory Board, 2007-2008; 2010-2012
Center for Community Engagement and Service Learning Advisory Board, 2007-2012
Faculty Senate
Executive Committee, 2008-2013
Nominations, Rules & Credentials Committee, Chair, 2008-2013; Member 2007-2013
Appointment, Promotion, and Tenure Revision Committee, 2010-2012
Grievance Policy Committee Member, 2007-2010
Law Library Director Search Committee Chair, 2012-2013
PROF Grant Review, College Representative to the University Review Team, 2006, 2008
Project Homeless Connect Evaluations, Principal Investigator, 2006-2009
University Technology Council, 2007-2009
University of Denver Hyde Interviews for Incoming Freshmen, 2003-2012

SERVICE TO THE MORGRIDGE COLLEGE OF EDUCATION
Appointment, Tenure & Review Committee
Member, voting, 2003-2005; 2007- 2009
Chair, Clinical Faculty Promotion & Tenure Policy Subcommittee, 2008-2009
Member, Community Engagement Subcommittee, 2007-2009
Member, Tenure Review Panel, 2003
Advancement and Alumni Relations Committee, Chair, 2003-2007; Member, 2002-2007
College Building Committee Member, 2004-2010

College of Education Student Association, Faculty Advisor, 2004-2007; 2009-2010
Faculty Senator, 2007-2013
Research and Scholarship Committee, Chair, 2008-2009; Member, 2002-2003, 2008-2009
Research and Grant Mentoring Committee, Chair, 2009-2010
Research Task Force Member, 2010-2012
Search Committee Member, Assistant Professor for Curriculum & Instruction, 2010-2011
Workload Task Force Member, 2010-2011

SERVICE TO THE LIBRARY & INFORMATION SCIENCE PROGRAM

Library and Information Science Student and Alumni Association, Faculty Advisor, 2002-2008
ALA Student Chapter, Faculty Advisor, 2005-2008
Beta Phi Mu Phi Chapter, Faculty Advisor, 2004-2014
Steering Committee Member, Accreditation by the American Library Association, 2001-2004
Search Committee Member, Associate Professor for LIS, 2006
Search Committee Chair, Assistant Professors for LIS, 2003, 2005, 2006, 2007
Search Committee Ex-Officio Member, Director for LIS, 2004

SERVICE TO SAM HOUSTON STATE UNIVERSITY

Rio Roundup: South Texas Literature Conference, Conference Coordinator, 1993
External Relations, Fund Raising, Grants Committee, Chair, 1993-1995
Advisory Council Committee, Chair, 1993-1995
Students, Admissions, and Advisement Committee, Chair, 1994
Institutional Effectiveness Committee, Member, 1993-1995

SERVICE TO THE COLLEGE OF EDUCATION AND APPLIED SCIENCE

Faculty Affairs Committee, Member, 1993-1995
Curriculum Committee, Member, 1993-1995
Continuing Education Committee, Member, 1993-1995

SERVICE TO THE COMMUNITY

French Teacher & Student Exchange with Laon, France, Monarch High School, Boulder Valley School District (Boulder, Colorado), 2017-
Denver/Boulder Games 2022, Board of Directors, Secretary-Treasurer, 2015-2018
United Way Campaign Committee, College of Education, 2006
Arapahoe County, Election Judge for the County Clerk and Recorder, 2000-2005
Arthritis Foundation, Rocky Mountain Chapter, Certified Educator & Trainer, 1999-2008
Bonfils Blood Center, Silver Level Donor, 2000-2016
Denver Museum of Natural History, Docent, 1992
Tech Prep of the Lower Rio Grande Valley, Inc. (Harlingen, Texas) Board of Directors, 1995-1997
Executive Committee, 1996-1997; Chair, Development Committee, 1995-1997; Chair, Fiscal Agency Committee, 1995-1996; Chair, Colleges and Universities Committee, 1996-1997
Gilpin County (Colorado) Public Library Board of Trustees, 1986-1989; Vice President, 1987-1989
City of Central (Colorado) Economic Development Committee, 1987-1989
Columbine Family Health Centers, Inc. (Nederland and Black Hawk, Colorado) Board of Directors, 1988-1989

CERTIFICATION

Permanent Public Librarian Certificate - Pennsylvania, New York, Texas
Westlaw Expert Witness, 2008-
Certified Grant Writer®, 2016-

AWARDS AND HONORS

Advanced Practitioner for Service Learning and Community Engagement, University of Denver, 2011
Platinum Star Alumnae, College of Information, Library Science & Technologies, University of North Texas, 2009
Commendation for Integration of Technologies in Teaching & Learning Environment, University of Denver, 2006
Outstanding Adjunct Faculty Member Award, College of Education, University of Denver, 2002
Beta Phi Mu, Pi, University of Pittsburgh, 1985
Alpha Lambda Sigma, University of North Texas, 1972
Albert Nelson Marquis Lifetime Achievement Award, Who's Who in America
Who's Who in American Women
Who's Who of Women Executives
Dictionary of International Biography
Who's Who in the East
Who's Who in the South and Southwest
Who's Who in the World
Who's Who of Online Professionals
Who's Who in Library and Information Science
2,000 Notable Women
Who's Who of Emerging Leaders
Who's Who in Professional and Executive Women
Who's Who in American Education
International Who's Who of Professional and Business Women
International Leaders in Achievement
International Educator of the Year
Who's Who in Finance and Industry
Who's Who in Finance and Business

Invited International and National Conference Presentations

Hall-Ellis, Sylvia D. *Presentation of the Robert O. Ellett Endowed Scholarship.* Presentation delivered to the School of Information at San Jose State University Alumni & Student Program, American Library Annal Conference, San Diego, Calif., June 29, 2024.

Driscoll, Margaret, Christy Confetti Higgins, Scott Brown, and Sylvia D. Hall-Ellis. *A View from Within: Open House Tour of Three Canvas Core Courses*. Presentation to be delivered at the School of Information, San José State University Professional Development Seminar, San José, California, October 17, 2019.

Hall-Ellis, Sylvia D. *Invest in Me -- I'm Your Future: Succession Planning for Libraries.* Keynote presentation delivered at the ALCTS President's Symposium, Boston, Mass., January 8, 2016.

Seidel, Kent E. and Sylvia D. Hall-Ellis. *Making Grants Work for You: Strategies for Doctoral Students and Early Career Scholars.* Presentation delivered at the University Council for Educational Administration, Early Career Scholars Session, Indianapolis, Ind., November 9, 2013.

Hall-Ellis, Sylvia D. *So You Want to be a Manager; Leadership Skills and Competencies for Technical Services Managers and Administrators.* Presentation delivered at the 138th Annual Conference, American Library Association, Chicago, Ill., June 29, 2013.

Seidel, Kent E., Karen S. Riley, Lyndsay Agans, Susan Korach, and Sylvia D. Hall-Ellis. *Making Grants Work for You (Instead of Just Working for Grants).* A panel discussion delivered at the University Council for Educational Administration, Early Career Scholars Session, Denver, Colo., November 17, 2012.

Hall-Ellis, Sylvia D. *After the Great TS Reorganization: The Westminster Law Library.* Presentation delivered at the 137th Annual Conference, American Library Association, Anaheim, Calif., June 23, 2012.

Hall-Ellis, Sylvia D. *Conversations with Catalogers in the 21st Century.* A panel discussion sponsored by the ALCTS Competencies for a Career in Cataloging Interest Group, delivered at the 137th Annual Conference, American Library Association, Anaheim, Calif., June 22, 2012.

Hall-Ellis, Sylvia D., moderator. *Mid-Career Leaders Program.* A panel discussion sponsored by the ALA Committee on Diversity delivered at the 136th Annual Conference, American Library Association, New Orleans, La., June 26, 2011.

Hall-Ellis, Sylvia D., moderator. *Diversity Town Hall.* A community conversation sponsored by the ALA Committee on Diversity delivered at the 136th Annual Conference, American Library Association, New Orleans, La., June 24, 2011.

LaBarre, Kathryn, Sylvia D. Hall-Ellis, Karen Anderson, Rick Hasenyager, Christopher Cronin, and Penny Baker. *Briefings from RDA Test Participants.* A panel discussion delivered at the Midwinter Conference, American Library Association, San Diego, Calif., January 7, 2011.

Miksa, Shawne, Marjorie Bloss, and Sylvia D. Hall-Ellis. *Educating the Next Generation of Catalogers: Teaching RDA.* A panel discussion delivered at the 97th Annual Conference, Association for Library and Information Science Education, San Diego, Calif., January 7, 2011.

Hall-Ellis, Sylvia D., Robert Maxwell, John Hostage, and George Prager. *RDA Panel: What Cataloging Managers Need to Know.* Presentation delivered at the 103rd Annual Conference, American Association of Law Librarians, Denver, Colo., July 12, 2010.

Hall-Ellis, Sylvia D. and Stacey L. Bowers. *Catalogers in the RDA Environment: Skill Sets, Expectations and Challenges.* Presentation delivered at the 103rd Annual Conference, American Association of Law Librarians, Denver, Colo., July 11, 2010.

Hall-Ellis, Sylvia D. *Comfortable in Your Cataloging and Metadata Specialist Skin? Or, So You Want to Hire a Cataloger.* Presentation delivered to the ALCTS Research Group at the 134th Annual Conference, American Library Association, Chicago, Ill., July 11, 2009.

Perez, Megan, Sylvia D. Hall-Ellis, and Denise Anthony. *From Novice to Expert: Collaboration for Succession Planning.* A "hot topic" presentation delivered at the 14th ACRL Conference, Seattle, Wash., March 13, 2009.

Hall-Ellis, Sylvia D. *Cataloging in the RDA Environment: Skill Sets, Expectations and Challenges.* Presentation delivered to the ALCTS Research and Publications Committee at the Midwinter Conference, American Library Association, Denver, Colo., January 24, 2009.

Hall-Ellis, Sylvia D. *LIS Cataloging Education for the 21st Century: Expectations and Challenges.* A panel discussion held at the 95th Annual Conference, Association for Library and Information Science Education, Denver, Colo., January 23, 2009.

Chu, Clara, Sylvia D. Hall-Ellis, and Mark Winston. *The Doctoral Degree & Building a Career.* A panel discussion delivered at the ALA Office of Diversity Spectrum Doctoral Fellows E.J. Josey Leadership Institute, Midwinter Conference, American Library Association, Denver, Colo., January 20, 2009.

Hall-Ellis, Sylvia D. and Robert O. Ellett, Jr. *Fundamentals of Cataloging Course: An Overview of the ALCTS Online Course.* Presentation delivered to the ALCTS Big Heads Group, 133rd Annual Conference, American Library Association, Anaheim, Calif., June 30, 2008.

Hall-Ellis, Sylvia D. *Employers' Expectations for Technical Services Librarians: What We Don't Know.* Presentation delivered to the ALCTS Research and Publications Committee Program, 133rd Annual Conference, American Library Association, Anaheim, Calif., June 28, 2008.

Hall-Ellis, Sylvia D., Virginia R. Maloney, and Mary Stansbury. *Institutional Responses to Engaged Scholarship: The Carnegie Foundation Engaged University Classification at Two Universities.* Presentation delivered to the 94th Annual Conference, Association for Library and Information Science Education, Philadelphia, Pa., January 11, 2008.

Hall-Ellis, Sylvia D. *Puzzles, Problems, and Predicaments.* Presentation delivered to the ALCTS Research Discussion Group, 132nd Annual Conference, American Library Association, Washington, D.C., June 23, 2007.

Hall-Ellis, Sylvia D. *Cataloging Education: A New Emphasis for the Library and Information Science Curriculum.* Presentation delivered to the ALCTS Pre-conference, 132nd Annual Conference, American Library Association, Washington, D.C., June 22, 2007. http://www.loc.gov/catdir/cpso/careercat.html

Ellett, Jr., Robert O. and Sylvia D. Hall-Ellis. *Copy Cataloging Done Smarter.* Presentation delivered to the International Conference on Interdisciplinary Information Sciences and Technologies (InSciT2006), October 25-28, 2006.

Hall-Ellis, Sylvia D. and Robert O. Ellett, Jr. *Cooperative Cataloging: Challenges and Opportunities for Defense Libraries.* Presentation delivered to the 1st Annual Conference of Defense Libraries, Spanish Ministry of Defense, Madrid, Spain, July 7, 2006.

Hall-Ellis, Sylvia D. *Cataloger Competencies: Do the Employers Require What the Professors Teach?* Presentation delivered to the ALCTS CCS Heads of Cataloging Discussion Group, 131st Annual Conference, American Library Association, New Orleans, La., June 26, 2006.

Grealy, Deborah S. and Sylvia D. Hall-Ellis. *From Research to Practice: The Scholarship of Teaching and Learning in LIS Education.* Presentation delivered to the at the 92nd Annual Conference, Association for Library and Information Science Education, San Antonio, Tex., January 18, 2006.

Hall-Ellis, Sylvia D. *Employers' Expectations for Entry-Level Catalogers: What Position Announcement Data Indicate.* Research paper delivered to the Technical Services Special Interests Group, 91st Annual Conference, Association for Library and Information Science Education, Boston, Mass., January 12, 2005. http://dlist.sir.arizona.edu/

Hall-Ellis, Sylvia D. *Common Errors in MARC Records Prepared by LIS Students: What Does It Mean?* Research paper delivered to the ALCTS CCS Cataloging Norms Discussion Group, Mid-Winter Conference, 90th American Library Association, San Diego, Calif., January 10, 2004.

Hall-Ellis, Sylvia D. *Visual Arts as Foundation for Successful Library Automation: The Rocky Mountain College of Art & Design Experience.* Paper delivered at the 6th Annual Conference of Higher Education, Charleston, S. C., 1993.

Hall, Sylvia D. *Design Elements for Bibliographic Databases: An Overview.* Paper delivered at the 14th Online National Conference, New York, 1983.

Invited Regional Conference Presentations

Hall-Ellis, Sylvia D., Hudson, Christopher D., Brittany Cronin, and Kathryn Michaels. "The Colorado Law Project: Meeting the Public's Need for Legal Information." Panel discussion delivered at the Mountain Plains Library Association Conference, Billings, Mont., April 9, 2011.

Grealy, Deborah S. and Sylvia D. Hall-Ellis. *Education for Information Professionals in New Mexico: Library & Information Science Graduate Education at the University of Denver.* Presentation delivered at the New Mexico Library Education Summit, Las Vegas, N.M., September 26, 2005.

Hall-Ellis, Sylvia D. *Public Library-School Library Partnerships.* Presentation delivered at the 3rd Annual Colorado Association of Libraries Conference with the Mountain Plains Library Association, Denver, Colo., October 22, 2004.

Hall-Ellis, Sylvia D. *Learn All You Can – Educational Partnership Opportunities for the Lewis and Clark Bicentennial Commemoration.* Paper delivered at the 3rd Annual Lewis and Clark Bicentennial Council National Planning Conference, Bismarck, N.D., April 26, 1998.

Invited State Conference Presentations

Grealy, Deborah S. and Sylvia D. Hall-Ellis. *Academic Library Leadership Changes: Using Succession Planning and Mentoring*. Presentation delivered at the Minnesota Library Education Conference, St. Cloud, Minn., October 10, 2013.

Hall-Ellis, Sylvia D., Merrie Valliant, and Melissa Powell. *RDA: What Is It and What Do You Need To Do With It At Your Library?* Presentation delivered at the Colorado Library Consortium Spring Conference, Ft. Morgan, Colo., April 26, 2013.

Hall-Ellis, Sylvia D. *Service Learning and the Library & Information Science Graduate Education at the University of Denver.* Presentation delivered at the 4th LEADS Scholars Orientation, Denver, Colo., August 5, 2009.

Hall-Ellis, Sylvia D. *Service Learning: Enhancement to Library & Information Science Graduate Education at the University of Denver.* Presentation delivered at the 3rd LEADS Scholars Orientation, Denver, Colo., June 2008.

Hall-Ellis, Sylvia D. *Law Librarianship: A Community Conversation.* Sponsored by the Colorado Association of Law Libraries. Paper delivered at the Colorado Supreme Court Library, Denver, Colo., May 14, 2008.

Hall-Ellis, Sylvia D. *Opportunities and Challenges in Law Librarianship: A Community Conversation.* Presentation delivered at the Sturm College of Law, Denver, Colo., November 7, 2007.

Ellis, Sylvia D. *Grant Writing Resources for Nursing Professionals.* Presentation delivered at the Presbyterian / St. Luke's Health One Medical Center 1st Annual Research Symposium, Denver, Colo., October 17, 2007.

Hall-Ellis, Sylvia D. *Project Homeless Connect 4 Event Evaluation – Insights and Lessons Learned.* Presentation delivered at the Homelessness Research Symposium: What is DU Doing about Homelessness in Denver, Denver, Colo., September 14, 2007.

Hall-Ellis, Sylvia D. *Service Learning and the Library & Information Science Graduate Education at the University of Denver.* Presentation delivered at the 2nd LEADS Scholars Orientation, Denver, Colo., August 10, 2007.

Hall-Ellis, Sylvia D. *Education for Information Professionals in a Digital Environment: Library & Information Science Graduate Education at the University of Denver.* Presentation delivered at the 15th Spring Mountains and Plains Parapros Conference, Denver, Colo., February 24, 2007.

Hall-Ellis, Sylvia D. *Public Library Service to Spanish-Speaking and Latino Residents in Denver: A Case Study.* Presentation delivered at the 4th Annual Colorado Association of Libraries Conference, Denver, Colo., November 10, 2005.

Hall-Ellis, Sylvia D. *Education for Information Professionals in a Digital Environment: Library & Information Science Graduate Education at the University of Denver.* Presentation delivered at the 14th Annual Mountains and Plains Parapros Conference, Aurora, Colo., July 29, 2005.

Hall-Ellis, Sylvia D. *Educational Opportunities: Library & Information Science Graduate Education at the University of Denver.* Presentation delivered at the 13th Annual Mountains and Plains Parapros Conference, Centennial, Colo., August 6, 2004.

Hall-Ellis, Sylvia D. *Library Education & Training: Focus on the West: An LIS Faculty Member's Personal Response*. Presentation delivered at the 1st Annual Colorado Association of Libraries Conference, Keystone, Colo., October 18, 2002.

Hall-Ellis, Sylvia D. *Grant Writing for School Librarians.* Presentation delivered at the 2002 Annual Colorado Education Media Association Conference, Colorado Springs, Colo., February 15, 2002.

Hall-Ellis, Sylvia D. *Grants – Opportunities for the Future.* Paper delivered at the Southeast Regional Accountability Annual Conference, Lamar, Colo., November 12, 1998.

Hall-Ellis, Sylvia D. *The Texas Library Connection and Interlibrary Loan: An Experiment in Resource Sharing.* Paper delivered at the Texas Computer Educators' Association Annual Conference, Austin, Tex., February 6, 1997.

Hall-Ellis, Sylvia D. *Finding Grant Sources on the Internet: A Guide for Librarians.* Paper delivered at the 2nd Annual Institute for School Library Personnel, Pharr-San Juan-Alamo North High School, Pharr, Tex., July 29, 1996**.**

Hall-Ellis, Sylvia D. *Mathematical and Logical Thinking: A Critical Intelligence.* Paper delivered at the 3rd Annual Paraprofessional Conference at the University of Texas - Pan American, Edinburg, Tex., March 8, 1996.

Hall-Ellis, Sylvia D. *Cataloging Trends and Issues: Update Session.* Paper delivered at the 1st Annual Institute for School Library Personnel, South Texas Community College, McAllen, Tex., July 19, 1995.

Hall-Ellis, Sylvia D. *Grant Writing: Tips and Encouragement for School Librarians.* Paper delivered at the 1st Annual Institute for School Library Personnel, South Texas Community College, McAllen, Tex., July 18 and 19, 1995.

Hall-Ellis, Sylvia D. *How to Become an Expert Grant Writer.* Paper delivered at the 3rd Annual High School Principals' Academy, South Padre Island, Port Isabel, Tex., June 19, 1995.

Texas Library Study: Results from Regions I and II. Paper delivered at the 3rd Annual Technology Conference, Texas A&M University, College Station, Tex., November 18, 1994.

Hall-Ellis, Sylvia D. *Academic Achievement and Middle School Students.* Paper delivered at the 8th Annual Young Adult Conference, Sam Houston State University, Huntsville, Tex., November 5, 1994.

Hall-Ellis, Sylvia D. *Multimedia Resources for Library Leaders.* Paper delivered at the Institute for Librarians in A Multicultural Environment, Sam Houston State University, Huntsville, Tex., June 10, 1994.

Hall-Ellis, Sylvia D. *Finding the Resource: Empowering the User, or, the Case for Curriculum Based Subject Access to Learning Resource Center Collections.* Paper delivered at the 81st Annual Texas Library Association Conference, Corpus Christi, Tex., April 12-16, 1994.

Hall-Ellis, Sylvia D. and William H. Pichette. *Sam Houston State University Makes Use of OCLC/AMIGOS Collection Analysis CD.* Paper delivered at the 81st Annual Texas Library Association Conference, Corpus Christi, Tex., April 12-16, 1994.

Hall, Sylvia D. *Funding and Library Development in Pennsylvania: A Symbiotic Relationship.* Paper delivered at the Annual Graduate Student Colloquia, University of Pittsburgh, School of Library and Information Science, 1982.

Hall, Sylvia D. *Leadership for Public Library Trustees.* Paper delivered for the Trustees Division, Pennsylvania Library Association Annual Conference, Lancaster, Penn., 1981.

Seminar and Professional Development Presentations

Taylor, Meredith, and Sylvia D. Hall-Ellis. *Talent Management and Succession Planning.* ALCTS eForum, held March 22, 2017.

Hirsh, Sandra, Heather O'Brien, Michelle Holschuh Simmons, Michael Krasulski, and Sylvia D. Hall-Ellis. *Information Services Today: An Introduction. Part 3: Information Services: Roles in the Digital Age*. Rowan and Littlefield in partnership with Library Journal webinar, recorded February 5, 2015.

Hall-Ellis, Sylvia D. and Jennifer Sweda. *Copy Cataloging in an RDA Environment.* ALCTS eForum, held May 14 and 15, 2013.

Hall-Ellis, Sylvia D. *Law Librarianship: A Community Conversation.* Sponsored by the Colorado Association of Law Libraries, presented at the Colorado Supreme Court Library, Denver, Colo., May 14, 2008.

Hall-Ellis, Sylvia D. and Beatrice Z. Gerrish. *Reading and Libraries: Recent Research in Reading.* Presentation at the Ricks Center for Gifted Education, Denver, Colo., March 4, 2008.

Hall-Ellis, Sylvia D. *Cataloger Competencies: Do the Employers Require What the Professors Teach?* Presentation for the School of Library and Information Science, San José State University, February 12, 2008.

Hall-Ellis, Sylvia D. and Robert O. Ellett, Jr. *Cooperative Cataloging: Rules, Tools, and Conventions for Building a Multi-institutional Catalog.* Sponsored for the Spanish Ministry of Defense, Madrid, Spain, July 10, 2006.

Hall-Ellis, Sylvia D. *Cash for Kids: Grant Writing Opportunities for Youth Services Librarians.* Sponsored by the Colorado Young Adult Librarians; presented at Bemis Memorial Library, Littleton, Colo., November 13, 2002.

Hall-Ellis, Sylvia D. *MARC Records and Authority Control: Planning for Bibliographic Database Migration.* Sponsored and held at the Douglas County Public Library, Castle Rock, Colo., May 28, 2002.
Grant Writing: A Refresher for Librarians. Sponsored by Library and Information Science Program, College of Education, University of Denver; presented at University Center at Chaparral, August 12, 2000.

Hall-Ellis, Sylvia D. *Shaking the Money Tree – Basic Grant Writing for Colorado Educators.* Sponsored by the Office of Educational Telecommunications of the Colorado Department of Education.
Pikes Peak Community College, Colorado Springs, Colo., November 16, 1998.

Pueblo School District 60, Pueblo, Colo., November 12, 1998.
University of Northern Colorado, Greeley, Colo., November 10, 1998.
United Technology Educational Partnership, Grand Junction, Colo., November 9, 1998.

Hall-Ellis, Sylvia D. *Cataloging Multimedia, Kits, Globes and Map Materials in USMARC.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., April 24, 1997 and December 12, 1996.

Hall-Ellis, Sylvia D. *New Standards for School Library Media Centers.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., April 15, 1997.

Hall-Ellis, Sylvia D. *The School Library Media Specialist in the 21st Century: Visions for the Future.* Sponsored and hosted by Pharr-San Juan-Alamo Independent School District, Pharr, Tex., April 4, 1997.

Hall-Ellis, Sylvia D. *Cataloging Sound Recordings and Audio Materials in USMARC.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., March 20, 1997 and November 21, 1996.

Hall-Ellis, Sylvia D. *Evaluating and Selecting CD-ROMS for School Library Media Collections.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., March 18, 1997.

Hall-Ellis, Sylvia D. *Cataloging Audiovisual Materials in USMARC.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., February 27, 1997, November 7, 1996 and October 24, 1996.

Hall-Ellis, Sylvia D. *Introduction to Dialog: Basic Searching Strategies.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., February 14, 1997.

Hall-Ellis, Sylvia D. *Cataloging Books in USMARC.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., January 30, 1997, October 10, 1996, September 26, 1996 and August 8, 1996.

Hall-Ellis, Sylvia D. *Advanced Internet Searching Techniques for Librarians.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., January 21, 1997.

Hall-Ellis, Sylvia D. *Texas Library Connection Full-Text Searching.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., December 13, 1996 and October 25, 1996.

Hall-Ellis, Sylvia D. *Developing Evaluation Strategies for Grants and Proposals.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., December 10, 1996.

Hall-Ellis, Sylvia D. *Developing Needs Assessment for Grants and Proposals.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., November 12, 1996.

Hall-Ellis, Sylvia D. *Texas Library Connection Union Catalog Searching.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., November 8, 1996 and September 6, 1996.

Hall-Ellis, Sylvia D. *Grant Resources on the Internet.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., October 23, 1996.

Hall-Ellis, Sylvia D. *Preparing a Response to the Telecommunications Infrastructure Fund Board: Needs Assessment, Professional Development Framework, and Evaluation Strategies.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., October 16, 1996.

Hall-Ellis, Sylvia D. *Texas Library Connection: Building the Districtwide Bibliographic Database.* Sponsored and hosted by Mercedes Independent School District, Mercedes, Tex., September 13, 1996 and August 8, 1996. Sponsored and hosted by Los Fresnos Consolidated Independent School District, Los Fresnos, Tex., August 12, 1996.

Hall-Ellis, Sylvia D. *School-to-Work and Special Education: An Inclusive Partnership for Success.* Sponsored and hosted by the Office of Special Education, Region One Education Service Center, Edinburg, Tex., September 11, 1996.

Hall-Ellis, Sylvia D. *Telecommunications Infrastructure Fund Board: An Overview of Funding for Secondary Schools.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., August 31, 1996.

Hall-Ellis, Sylvia D. *Cataloging Books, Multimedia, and Realia in USMARC.* Sponsored and hosted by Edinburg Consolidated Independent School District, Edinburg, Tex., August 6, 1996.

Hall-Ellis, Sylvia D. *Internet Resources for Grant Writers.* Sponsored and hosted by Region One Education Service Center, Edinburg, Tex., April 20, 1996.

Hall-Ellis, Sylvia D. *Enhanced Grant Writing Skills for Mathematics Educators: Writing Skills for Campus Teams.* Sponsored and hosted by the Office of General Education, Region One Education Service Center, Edinburg, Tex., March 22, 1996.

Hall-Ellis, Sylvia D. *Internet Resources for Grant Writers.* Sponsored and hosted by the College of Education and Applied Science, Sam Houston State University, Huntsville, Tex., March 9, 1996.

Hall-Ellis, Sylvia D. *Grant Writing for Mathematics Educators: A Development Process for Campus Teams.* Sponsored and hosted by the Office of General Education, Region One Education Service Center, Edinburg, Tex., March 4, 1996.

Hall-Ellis, Sylvia D. *Shaking the Money Tree: Preparing Successful Technology Grant Applications.* Sponsored and hosted by the Office of Technology and Media Services, Region One Education Service Center, Edinburg, Tex., February 29, 1996 and April 29, 1996.

Hall-Ellis, Sylvia D. *District-wide Technology Planning: Technical Assistance for the Texas Education Agency Initiative.* Sponsored and hosted by the Office of Technology and Media, Region One Education Service Center, Edinburg, Tex., February 2, 1996.

Hall-Ellis, Sylvia D. *Enhanced Grant Writing Skills.* Sponsored and hosted by Pharr-San Juan-Alamo Independent School District, Pharr, Tex., January 27, 1996.

Hall-Ellis, Sylvia D. *United States Copyright Act of 1976, Video Transmissions, Computer Software and the Internet.* Sponsored and hosted by the Office of Technology and Media, Region One Education Service Center, Edinburg, Tex., January 24, 1996.

Hall-Ellis, Sylvia D. *The Grant Writing Development Process.* Sponsored and hosted by Pharr-San Juan-Alamo Independent School District, Pharr, Tex., January 20, 1996.

Hall-Ellis, Sylvia D. *MARC Cataloging of Materials for Library Media Centers.* Sponsored and hosted by the Office of Media Services, Region One Education Service Center for the Donna Independent School District, Donna, Tex., August 17, 1995.

Hall-Ellis, Sylvia D. *Classification.* Sponsored by AJ Seminars, Rockville, Maryland; presented at University Hilton Hotel, Houston, Tex., May 10, 1995.

Hall-Ellis, Sylvia D. *Library Technical Services.* Sponsored by AJ Seminars, Rockville, Maryland; presented at University Hilton Hotel, Houston, Tex., April 26, 1995.

Hall-Ellis, Sylvia D. *Grant Writing: An Introduction for Public School Administrators.* Sponsored and hosted by the Office of Administrative Services, Region One Education Service Center, Edinburg, Tex., April 19, 1995.

Hall-Ellis, Sylvia D. *The School Library Media Specialist in the 21st Century: Visions for the Future.* Sponsored and hosted by the United Independent School District, Laredo, Tex., March 31, 1995.

Hall-Ellis, Sylvia D. *Using USMARC.* Sponsored by AJ Seminars, Rockville, Maryland; presented at University Hilton Hotel, Houston, Tex., March 29, 1995.

Hall-Ellis, Sylvia D. *Library Media Center Policies and Guidelines: How to Prepare for School Board Adoption.* Sponsored and hosted by the Office of Technology and Media Services, La Joya Independent School District, La Joya, Tex., March 10, 1995.

Hall-Ellis, Sylvia D. *Developing District-wide Policies and Guidelines for Library Media Centers.* Sponsored and hosted by the Office of Technology and Media Services, La Joya Independent School District, La Joya, Tex., January 10, 1995.

Hall-Ellis, Sylvia D. *MARC Cataloging of Audiovisual Materials for Library Media Centers.* Sponsored and hosted by the Office of Library Media and Technology Services, Cypress-Fairbanks Independent School District, Houston, Tex., December 1, 1994.

Hall-Ellis, Sylvia D. *The School Library Media Specialist in the 21st Century: Visions for the Future.* Sponsored and hosted by United Independent School District, Laredo, Tex., October 14, 1994.

Hall-Ellis, Sylvia D. *The School Library Media Specialist in the 21st Century: Visions for the Future.* Sponsored and hosted by the Laredo Independent School District, Laredo, Tex., October 7, 1994.

Hall-Ellis, Sylvia D. *MARC Cataloging for Library Media Centers.* Sponsored by the Office of Library Media and Technology Services, Cypress-Fairbanks Independent School District, Houston, Tex., October 5, 1994.

Hall-Ellis, Sylvia D. *Jump to the Head of the Class: Undergraduate Library Resources Available at Sam Houston State University.* Sponsored by the Office of the Associate Vice President for Student Services, Sam Houston State University, Huntsville, Tex., October 4, 1994.

Hall-Ellis, Sylvia D. *CD-ROMs - 1994's Newest and the Best for Secondary Level Media Centers.* Sponsored and hosted by Clear Lake Independent School District, Houston, Tex., June 3, 1994.

Hall-Ellis, Sylvia D. *Introduction to Classification.* Sponsored by AJ Seminars, Rockville, Maryland; presented at Holiday Inn, Market Center, Dallas, Tex., May 18, 1994.

Hall-Ellis, Sylvia D. *Basic Descriptive Cataloging.* Sponsored by AJ Seminars, Rockville, Maryland; presented at University Hilton Hotel, Houston, Tex., May 4, 1994.

Hall-Ellis, Sylvia D. *Shaking the Money Tree - Part II: Writing Successful Grant Applications.* Sponsored by Donna Independent School District, Donna, Texas, and Region One Education Service Center Edinburg, Texas; presented at South Texas Community College Library, McAllen, Tex., April 29, 1994.

Hall-Ellis, Sylvia D. *Using MARC.* Sponsored by AJ Seminars, Rockville, Maryland; presented at Holiday Inn, Market Center, Dallas, Tex., April 6, 1994.

Hall-Ellis, Sylvia D. *Automated Authority Control.* Sponsored by AJ Seminars, Rockville, Maryland; presented at University Hilton Hotel, Houston, Tex., March 23, 1994.

Attachment 5

Hall-Ellis, Sylvia D. *Automating the District School Library Media Centers: Choices and Opportunities.* Sponsored and hosted by the Office of Technology and Library Media Services, Fort Bend Independent School District, Sugar Land, Tex., March 4, 1994.

Hall-Ellis, Sylvia D. *Shaking the Money Tree - Part I: Preparing Successful Grant Applications.* Sponsored and hosted by the Office of Library Media Services, Donna Independent School District, Donna, Tex., February 4, 1994.

GRADUATE COURSES TAUGHT

San José State University, School of Library and Information Science

INFO 249 – Advanced Cataloging and Classification (Fall 2015, 2016; Summer 2016)
INFO 287 – Special Topics in Cataloging and Classification (Spring 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024; Fall 2020, 2021, 2022, 2023, 2024)
LIBR 248 – Beginning Cataloging and Classification (Summer 2002, 2003, 2004, 2005, 2006)
LIBR 249 – Advanced Cataloging and Classification (Summer 2003; Fall 2014; Summer 2015)

University of Denver, University College

Grant Writing Certificate Seminar for Non-Profit Organizations (Fall 2020, 2021; Spring 2021)

University of Denver, Morgridge College of Education HED

5991 – Grant Writing in Higher Education (Spring 2011)
LIS 4010 – Organization of Information (Fall 2002-2009; Winter 2005; Spring 2004-2006)
LIS 4020 – Professional Principles and Ethics (Summer 2000)
LIS 4040 – Management of Libraries and Information Centers (Fall 2010; Spring 2003, 2009 (DS); Winter 2005)
LIS 4070 – Cataloging and Classification (Winter 2008, 2009, 2010, 2011, 2012; Fall 2009 (DS)) LIS 4321 – Collection Management (Spring 2005)
LIS 4326 – LIS Research (Winter 2009 (DS); Spring 2009 (DS))
LIS 4350 – Adult Materials and Services (Summer 2006, 2009)
LIS 4379 – Social Sciences Resources (Spring 2009)
LIS 4400 – Cataloging and Classification (Spring 2000, 2001; Winter 2002-2009; Summer 2005, 2006 – course renumbered LIS 4070, September 2007)
LIS 4401 – Descriptive Cataloging (Winter 2001; Spring 2002, 2003, 2006-2009; Summer 2005)
LIS 4402 – Subject Cataloging (Spring 2001, 2009; Summer 2005, 2006, 2007, 2008)
LIS 4403 – Classification Schemes (Fall 2007, 2008, 2009 (DS)) LIS
LIS 4405 – Authority Control (Winter 2009)
LIS 4510 – Materials and Services for Children (Winter 2004; Summer 2005)
LIS 4620 – Grant Writing and Fundraising (Summer 2000, 2002, 2004, 2010; Winter 2006; Fall 2006-2009)
LIS 4700 – Seminar in Technical Services (Fall 2001)
LIS 4700 – Seminar in Public Libraries (Summer 2002)
LIS 4804 – Management of Electronic Records (Spring 2004; Fall 2005)
LIS 4902 – Capstone Projects (Winter 2003, Spring 2008, 2009, 2011)
LIS 4910 – Independent Study (every quarter Winter 2000 through Spring 2011)
LIS 4920 – Service Learning (every quarter Summer 2004 through Spring 2011)
RMS 4954 – Grant Writing (Summer 2013, 2014)
RMS 4959 – Content Analysis Methodology (Spring 2015)
QRM 4978 – Grant Writing (Summer 2011, 2012)

Rutgers University, School of Communication and Information

SC&I 522 – Cataloging and Classification (Summer 2013)

University of Arizona, College of Behavioral and Social Sciences

LIS 602 – Cataloging and Classification (Summer 1995)
LIS 612 – Advanced Online Search and Retrieval (Summer 1995)

Sam Houston State University, College of Education & Applied Science

LIS 532 - Cataloging and Classification (Fall 1993, 1994, 1995)
LIS 563 - Advanced Cataloging and Classification (Summer 1994)
LIS 567 - Research Methods (Spring 1994, Spring 1995)
LIS 591 - Educational Technology (Spring 1994, 1995)
LIS 596 - Networking and Computer Technologies in Education (Fall 1993, Summer 1994, Fall 1995)

Dissertations at the University of Denver

Bowers, Stacey L. *Library Anxiety of Law School Students: A Study Utilizing the Multidimensional Library Anxiety Scale.* Chair, May 5, 2010.

Fattor, Melissa M. *Student Engagement Differences by Ethnicity and Scale for Ninth Grade Students.* Chair, November 1, 2010.

Fulton, Roseanne. *A Case Study of Culturally Responsive Teaching in Middle School Mathematics.* Kent Seidel, Chair, June 18, 2009, Outside Chair.

Grealy, Deborah S. *Tribes and Territories in Library and Information Studies Education.* Bruce Uhrmacher, Chair, June 10, 2008, Committee Member.

McCord, J. Michael. *Developing a Standard of Care for Educational Malpractice.* Chair, April 15, 2011.

Priebe, Sarah J. *Distinguishing Effects of Domain and General Knowledge on Passage Fluency and Comprehension.* Jan Keenan, Chair. July 21, 2011, Outside Chair.

Snyder-Mondragon, Sandra M. *Institutional Factors that Impact the Retention of Graduate Students of Color in Schools of Library and Information Science: A Metaregression of Accredited Library School Statistics on Student Retention and Graduation Rates.* Kathy Green, Chair, July 24, 2009, Committee Member.

Taylor, Karen Pickles. *Effective Teaching.* Elinor Katz, Chair, July 15, 2009, Outside Chair.

Thompson, Jennifer. *Distinguishing a Western Women's College: A History of the Curriculum and Student Experience at Colorado Women's College.* Edith W. King, Chair, July 16, 2010, Committee Member.

Walker, Emelda. *Influence of Organizational Factors on Job Satisfaction of Disability Service Providers at Postsecondary Institutions.* Chair, April 29, 2010.

Dissertation Proposals at the University of Denver

Bowers, Stacey L. *Library Anxiety of Law School Students: A Study Utilizing the Multidimensional Library Anxiety Scale.* Chair, November 5, 2009.

McCord, J. Michael. *Developing a Standard of Care for Educational Malpractice.* Edith W. King, Chair. April 23, 2010.

Thompson, Jennifer. *History of Colorado Women's College.* Edith W. King, Chair, October 30, 2008. Committee Member.

Walker, Emelda. *Influence of Organizational Factors on Job Satisfaction of Disability Service Providers at Postsecondary Institutions.* Chair, July 21, 2009.

Dissertations at Other Institutions

Rodríguez-Mori, Howard. *The Information Behavior of Puerto Rican Immigrants to Central Florida, 2003-2009: Grounded Analysis of Six Case Studies Use of Social Networks during the Migration Process.* Kathleen Burnett, Chair, April 10, 2009, Florida State University, Committee Member.

Schwartz, Brian *More than a Look-up Skill: Medical Information Literacy Education in Osteopathic Medical Schools.* D. Mirah Dow, Chair, July 18, 2017. Emporia State University, Committee Member.

Snow, Karen. *A Study of the Perception of Cataloging Quality among Catalogers.* Shawne D. Miksa, Chair, August 1, 2011. University of North Texas, Committee Member.

Dissertation Proposals at Other Institutions

Schwartz, Brian *More than a Look-up Skill: Medical Information Literacy Education in Osteopathic Medical Schools.* D. Mirah Dow, Chair, December 4, 2015. Emporia State University, Committee Member.

Snow, Karen. *A Study of the Perception of Cataloging Quality among Catalogers.* Shawne D. Miksa, Chair, May 11, 2010. University of North Texas, Committee Member.

Master's Thesis at the University of Denver

Hemingson, Jeff. *Recital Paper.* Lamont School of Music, February 2010, Outside Chair.

Capstones at the University of Denver

Anthony, Alisa. *Correlation of Library and Information Science Program outcomes and Vacant Position Qualifications Listed on the Colorado State Library Jobline by Employers During the Period September 1, 2000 through August 31, 2002.* Chair, Winter Quarter, 2003.

Borden, Donna M. *Improving Emergency Communications Systems: Is a Radio Communications Network the Answer?* Fall Quarter, 2014.

Bowden, Heather L.M. *Exploring Biological Models for Long-term Data Preservation.* Chair, Spring Quarter, 2008.

Casenada, Cassandra Y. *Challenges to the Recruitment, Education, and Retention of Librarians of Color*. Chair, Spring Quarter, 2008.

Chang, Jennifer C. *Legal Research Practice and Preference: A Law Firm Perspective.* Chair, Spring Quarter 2011.

Ellis, Megan S. Fitzgerald. *Design of a Public Library Adult Volunteer Recruitment Program and Training Curriculum.* Chair, Winter Quarter, 2003.

Kircher, Kathy. *Development of a Library Pathfinder for Exobiology and Posting it on the Internet.* Chair, Winter Quarter, 2003.

Melhado, Loretta. *Design of St. John's Episcopal Church Library.* Chair, Spring Quarter, 2008.

Radcliff, Kathy. *Original Cataloging of Archival materials in the HERS Collection in Penrose Library.* Chair, Winter Quarter, 2003.

Sass, Carol Ann. *ACT Periodical Index: Access to Catholic Thinking Periodical Index: Web Index to Select Catholic Periodicals.* Spring Quarter 2000.

Stone, Sergio D. *Conducting Community Analysis for the Bemis Public Library (Littleton, Colorado) Using 2002 U.S. Census Data and the Online Outcome-Based Evaluation Toolkit.* Chair, Winter Quarter, 2003.

Tureson, Tamara. *Design and Use of an Information Audit Tool for Use in a Law Library.* Chair, Winter Quarter, 2003.

Tweed, Beth. *Evaluation of Email Reference Service in a Consumer Health Library Environment.* Chair, Winter Quarter, 2003.

GRANTS AND CONTRACTS

Student Learning in Agriculture STEM through Teacher Professional Development. Research team: Stanton Gartin (PI) and Cyndi Hofmeister, Northeast Junior College; Jeff Cash, Cheryl Sánchez, Anne-Marie Crampton, Lamar Community College; Suzanna Spears, Morgan Community College; Jack Wiley, Kerry Gabrielson, Trinidad State Junior College; Michael J. Miller, Colorado State University; Michael Womochil (Co-PI), Casey Sacks, and Sylvia D. Hall-Ellis, Colorado Community College System. U.S. Department of Agriculture, Agriculture and Food Research Initiative, Food, Agriculture, Natural Resources and Human Sciences Education and Literacy Initiative, $404,460 (2017-2020)

Leading and Achieving: the Colorado Agriculture Regional Consortium. Research team: Jack Wiley (PI), Kerry Gabrielson, Trinidad State Junior College; Jeff Cash (PI), Cheryl Sánchez, Anne-Marie Crampton, Lamar Community College; Suzanna Spears, Morgan Community College; Cyndi Hofmeister, Northeast Junior College; Michael Womochil (Co-PI), Casey Sacks, and Sylvia D. Hall-Ellis, Colorado Community College System. U.S. Department of Agriculture, Hispanic Serving Institutions Education Grants Program, $504,414 (2017-2020)

Cyber Prep Program Planning Grant. Research team: Debbie Sagen (PI), Brenda Lauer, Pikes Peak Community College; Gretchen Martin, Koiosa Insights; and, Sylvia D. Hall-Ellis, Colorado Community College System. U.S. Department of Commerce, Regional Alliances and Multi-stakeholder Partnerships to Stimulate (RAMPS) Cybersecurity Education and Workforce Development, $199,681 (2016-2018)

Career and Technical Education in Colorado: Pathways to Education and Employment. Research team: Heather McKay (PI), Rutgers University; Sarah Heath, Casey Sacks, Sylvia D. Hall-Ellis, Colorado Community College System. U.S. Department of Education, Institute of Education Sciences, $1,400,000 (2017-2021)

Pre-Alliance Planning Grant Colorado Community College Alliance. Research team: Victor Vialpondo (PI) and Janel Highfill, Community College of Aurora; Heidi Loshbaugh (Co-PI), Community College of Denver; Rick Reeves, Bill McGreevy, Liz Cox, and Kristin Aslin, Red Rocks Community College; Cathy Pellish, Front Range Community College; Samuel DeVries, Arapahoe Community College; Sylvia D. Hall-Ellis, Colorado Community College System. National Science Foundation, Louis Stokes Alliance for Minority Participation (LSAMP), $86,817 (2016-2017)

Towards Scalable Differentiated Instruction Using Technology-enabled, Competency-based, Dynamic Scaffolding. Research team: Karen Wilcox (PI) and Vijay Kumar, Center for Computational Engineering, Massachusetts Institute of Technology; Flora McMartin, Broad-based Knowledge; Quinsigamond Community College; and, Casey Sacks, and Sylvia D. Hall-Ellis, Colorado Community College System. U.S. Department of Education, First in the World Developmental Grant, $2,891,882 (2015-2019)

Colorado Strategic Partnerships Emergency Grant. Research team: Elise Lowe-Vaughn (PI), Amy Hodson, Celia Hardin, Barbara McBride, James Newby, Christopher Dewhurst, Nina Holland, Kate Anderson, MaryAnn Roe, Chrystalynn Chrystalynn, Elaine Edon, Mona Barnes, Tom Morgan, Rob Hanni, and Marie Valenzuela, Colorado Department of Labor and Employment; Steve Anton, Joelle Brouner, and, Katie Griego, Colorado Department of Human Services; Rebecca Holmes, Judith Martinez, and Jennifer Jirous, Colorado Department of Education; Emily Templin Lesh, Colorado Workforce Development Council; Cory Everett, Colorado Department of Regulatory Agencies; and, Casey Sacks and Sylvia D. Hall-Ellis, Colorado Community College System. U.S. Department of Labor, Strategic Partnerships Emergency Grant, $5,000,000 (2015-2017)

CAEL Jump Start Program: Competency-Based Education. Research team: Jerry Migler (PI), Casey Sacks, Debra Cohn, Thomas Hartman, and Sylvia D. Hall-Ellis, Colorado Community College System; Matt Jamison, Front Range Community College; Mike Coste, Red Rocks Community College; Amanda Corum, Pueblo Community College; Janet Colvin, Pikes Peak Community College; and, MaryAnn Matheny, Community College of Denver. Council for Adult and Experiential Learning, $15,000 (2015)

Summit on the Redesign of Developmental Education. Research team: Jerry Migler (PI), Casey Sacks, and Sylvia D. Hall-Ellis, Colorado Community College System; Chip Nava, Pueblo Community College; Kim Moultney, Arapahoe Community College; Debbie Ulibarri, Trinidad State Junior College; and, Kris Bernard, Front Range Community College. American Association of Community Colleges, $15,000 (2015-2016)

Equity in Excellence at Colorado Community Colleges. Research team: Keith Howard (PI) and Sylvia D. Hall-Ellis, Colorado Community College System; Estela Mata Bensimon, Center for Urban Education, University of Southern California; and Kerry Gabrielson, Trinidad State Junior College. Colorado Department of Higher Education, Colorado Opportunity Scholarship Program, $150,000 (2015-2016)

MBA High School of Business in Colorado. Research team: Laurie Urich (PI) and Sylvia D. Hall-Ellis, Colorado Community College System; Rudolph Sumpter and Beatrice Gerrish, Boulder Valley Schools; Keith Curry Lance, RSL Research Group. Colorado Department of Higher Education, Colorado Opportunity Scholarship Program, $501,295 (2015-2016)

Fullbridge Program in Colorado. Research team: Keith Howard (PI) and Sylvia D. Hall-Ellis, Colorado Community College System; Suzanna Spears, Fort Morgan Community College; and, Cheryl Sánchez and Anne-Marie Compton, Lamar Community College. Colorado Department of Higher Education, Colorado Opportunity Scholarship Program, $300,000 (2015-2017)

Colorado Community College System Alternative Credit Program. Research team: Jerry Migler (PI), Keith Howard, and Sylvia D. Hall-Ellis, Colorado Community College System. American Council on Education, $13,000 (2015)

Internationalization in Higher Education. Researcher: Samuel D. Museus. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Internationalization, $8,000 (2014-2015)

International Perspectives on Bilingual Education. Researcher: Sharolyn Pollard-Durodola. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Internationalization, $3,700 (2014-2015)

Cultivating Culturally Relevant and Responsive Curriculum and Pedagogy in College. Researcher: Samuel Museus. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, iRise Grant, $5,000 (2014-2015)

Project EMERGE (Educational Model for Evaluation and Replicability in Gifted Environments). Research team: Norma Hafenstein (PI) and Bruce Uhrmacher. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Lynde and Harry Bradley Foundation, $235,000 (2014-2015)

Collecting Asian American Refugee Stories. Researcher: Samuel Museus. Technical reviewer for MCE: Sylvia D. Hall-Ellis. American Educational Research Association, Research Grant, $5,000 (2014-2015)

Developing Expertise in Teaching K-5 Mathematics. Research team: Julie Sarama (PI) and Douglas H. Clements (Co-PI), in partnership with the School of Education at the University of Michigan. Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Science Foundation, $130,344 (2013-2015)

Investigation of the Long-Term Outcomes for Special Education Students. Researcher: Antonio Olmos-Gallos. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Jefferson County School District, Office of Assessment, $40,000 (2014)

Refugee Community Collaboration. Researcher: Vicki Tomlin (PI) in partnership with the African Community Center and Jewish Family Service. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Center for Community Engagement and Service Learning, $14,854 (2014-2015)

Access to Mathematics for All. Research team: Richard S. Kitchen (PI), Nicole M. Russell (Co-PI), and Terrence Blackman (Co-PI), Curriculum Studies and Teaching Program, Morgridge College of Education; Álvaro Árias (Co-PI, Department of Mathematics); and, James Gray (Co-PI), Department of Mathematics, Community College of Aurora. Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Science Foundation, The Robert Noyce Scholarship Program, Capacity Building Project, $349,926 (2014-2016)

Cognitive Test Battery for Intellectual Disabilities. Research team: Karen Riley (PI), Lyndsay Agans, Jessica Lerner, and Karin Dittrick-Nathan in partnership with David Hessl (PI), The MIND Institute at the University of California – Davis, and Elizabeth Berry-Kravis, Rush University Medical Center. Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Institutes of Health, Outcome Measures for Use in Treatment Trials for Individuals with Intellectual and Developmental Disabilities (R01), $2,499,996 ($588,672 at DU) (2014- 2019)

Broadening Participation in Engineering among Women and Latino/as: A Longitudinal, Multi-Site Study. Researcher: Patton Garriott (PI) in partnership with the University of North Dakota and the University of Missouri. Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Science Foundation, HER Core Research, $677,390 ($69,992 at DU) (2014-2019)

Designing a Teacher Evaluation System to Improve Teacher Effectiveness for Culturally and Linguistically Diverse Learners. Research team: María del Carmen Sálazar (PI), Jessica Lerner, and Kathy Green. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Professional Research Opportunities for Faculty, $29,988 (2014-2016)

Developing a College-Going Culture in Latina/O Families: Exploring the Influence of Funds of Knowledge on Family Outreach Programs. Researcher: Judy Marquez Kiyama. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Professional Research Opportunities for Faculty, $18,720 (2014-2016)

Assessment of Quality of Life in Neutral Implantation Surgery for the Treatment of Parkinson's Disease. Researcher: Cynthia McRae. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Internationalization, $3,967 (2014-2015)

Pura Vida: Cloud Forest, Curriculum and Cross-Cultural Study. Research team: Norma Hafenstein (PI) and Bruce Uhrmacher (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Internationalization, $8,000 (2014-2015)

Online Course Development for Curriculum and Instruction. Researcher: Ruth Chao. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Teaching and Learning, $3,000 (2014)

Online Course Development for Curriculum and Instruction. Researcher: María del Carmen Sálazar. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Teaching and Learning, $3,000 (2014)

Online Course Development for Curriculum and Instruction. Researcher: Jessica Lerner. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Teaching and Learning, $3,000 (2014)

Online Course Development for Curriculum and Instruction. Researcher: Duan Zhang. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Teaching and Learning, $3,000 (2014)

The Mathematics Education of African Americans, 1866 – 1954. Researcher: Nicole M. Russell. Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Academy of Education, Spencer Foundation Postdoctoral Fellowship, $55,000 (2014-2016)

Early Childhood Care and Education Study. Research team: Carrie Germeroth (PI), Melissa Mincic, and Douglas H. Clements. Technical reviewer for MCE: Sylvia D. Hall-Ellis. State of North Dakota, Department of Public Instruction, $73,500 (2013-2014)

Graduate Level Specialty in Addiction Counselor Training with Emphasis on Integration of Native American Specific Content. Research team: Ruth Chao (PI) and Michael J. Faragher (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. The Galena Foundation, $289,732 (2013-2016)

The Collecting Asian American and Pacific Islander Refugee Stories (CARS) Project. Researcher: Samuel Museus. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Center for Community Engagement and Service Learning, $15,000 (2014)

Parents in Transition: A Multiple Case Study of Parent and Family Orientation Programs. Researcher: Judy Marquéz Kiyama. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Faculty Research Fund, $1,500 (2014-2015)

The Sistah Network: Black Women Graduate Students Supporting and Retaining Each Other. Researcher; Nicole M. Russell. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Faculty Research Fund, $2,708 (2014-2015)

Evaluation of the Northeast Denver Babies Ready for College Program. Research team: Carrie Germeroth (PI), Melissa Mincic, and Douglas H. Clements. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Mile High Montessori, $9,922 (2013-2014)

Developing Teaching Expertise in K-5 Mathematics. Research team: Julie Sarama (PI) and Douglas Clements (University of Denver), in partnership with Timothy Boerst (PI), Meghan Shaughnessy, Deborah Ball, Hyman Bass (School of Education at the University of Michigan). Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Science Foundation, $449,827 ($130,344 at the University of Denver (2013-2015)

Early Learning Care and Education Study Program Grant for the State of North Dakota. Research team: Carrie Germeroth (PI), Melissa Mincic, and Sheridan Green. Technical reviewer for MCE: Sylvia D. Hall-Ellis. State of North Dakota Department of Public Instruction, $73,500 (2013-2014)

Local Professional Learning Community for School Leaders. Research team: Susan Korach (PI), Kristina Hesbol, and Rebecca McClure. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Education Development Center, $10,950 (2013)

Healthy Eaters, Lifelong Movers 2: Implementing Evidence-Based School Environment, Policy, and Curricular Changes to Increase Opportunities for Healthy Eating and Physical Activity in Low Income, Rural Colorado. Research team: Elaine Berlansky, University of Colorado at Denver (PI), Nicholas Cutforth, University of Denver (Co-PI), and Allison Reeds. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Health Foundation, $3,103,108 (2013-2017)

Hughes Rare Books Library Room Renovation in the Sturm College of Law. Project team: Patti H. Marks, Sylvia D. Hall-Ellis, and Leigh Elliott. Mabel T. Hughes Charitable Trust, $34,000 (2013-2014)

The Promise Center Partnership with the Marsico Institute for Early Learning and Literacy and the City and County of Denver. Research team: Karen Riley (PI), Douglas H. Clements (Co-PI), and Sheridan Green. Technical reviewer for MCE: Sylvia D. Hall-Ellis. The Piton Foundation, $223,468 (2013-2014)

Center of Excellence for Problem Gambling. Research team: Ruth Chao (PI) and J. Mike Faragher. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Department of Behavioral Health, $68,021 (2012-2013)

United Way Implementation and Validation Review. Research team: Douglas H. Clements (PI), Amanda Moreno, and Sheridan Green. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Mile High United Way, $19,737 (2013)

Math/Science Partnership in Rural Districts. Research team: Kristen Bunn (PI, Eagle County Schools), Paul Michalec (Co-PI), and Alegra Reiber. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Department of Education, Colorado's Mathematics and Science Partnership Program, $750,000 (2013-2014)

Mathematics and Science Education of African Americans. Research team: Nicole Russell (PI), Sylvia D. Hall-Ellis, Steve Fisher (Penrose Library). Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Professional Research Opportunities for Faculty, $29,994 (2013-2015)

Online Course Development for Curriculum and Instruction. Researcher: Nicole Russell. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Teaching and Learning, $3,000 (2013)

Discourse and Opportunity: Undocumented Students and Higher Education Policy. Researcher: Ryan Gildersleeve. Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Academy of Education, Spencer Foundation Postdoctoral Fellowship, $55,000 (2012-2014)

An Anthropological Study of the Latino Graduation Ceremony. Researcher: Ryan Gildersleeve. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Spencer Foundation, $39,900 (2012-2013)

Fragile-X and Pharmaceutical Company: Clinical Trial of AFQ056. University of California – Davis Children's Hospital MIND Institute (Sacramento), Children's Hospital Denver, and Rush Children's Hospital at Rush University Medical Center (Chicago). Karen Riley, PI. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Novartis Pharmaceuticals Corporation, $394,206 (2012-2014)

Project Engage, Phase 2, a DAPRA Grant in partnership with Total Immersion Systems, Inc., and Texas A&M University. Research team: Karen Riley (PI) and Lyndsay Agans (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. U.S. Department of Defense, $60,000 (2011-2013)

International School Psychology Practicum Exchange. Researcher: Gloria L. Miller. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Center for Community Engagement and Service Learning, $14,951 (2012-2013)

Online Course Development for Curriculum and Instruction. Research team: Bruce Uhrmacher (PI) and Norma Hafenstein (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Teaching and Learning, $18,193 (2012-2014)

Writers in the Schools. Research team: Karen Riley (PI) and Amanda Moreno (Co-PI).Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Humanities, $4,965 (2012-2013)

Learning Ecosystem Validation Grant. Research team: Karen Riley (PI), Lyndsay Agans, Kent Seidel, and Shimelis Assefa. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Bill & Melinda Gates Foundation, $315,000 (2012-2013)

Project Words of Oral Reading and Language Development (WORLD). Research team: Jorge E. Gonzalez (PI), Texas A&M University; Laura Saenz (Co-PI), University of Texas – Pan American; and, Sharolyn Pollard-Durodola (Co-PI), University of Denver. Technical reviewer for MCE: Sylvia D. Hall-Ellis. U.S. Department of Education, Institute of Education Sciences, $53,354 (2012-2015); award $640,718, transfer from Texas A&M University

Increasing the Efficacy of an Early Mathematics Curriculum with Scaffolding Designed to Promote Self-Regulation. Research team: Douglas H. Clements (PI) and Julie Sarama (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. U.S. Department of Education, Institute of Education Sciences, $1,445,315 (2008-2014); award $4,541,975, transfer from University at Buffalo, The State University of New York

Using Rule Space and Poset-based Adaptive Testing Methodologies to Identify Ability Patterns in Early Mathematics and Create a Comprehensive Mathematics Ability Test. Research team: Douglas H. Clements (PI) and Julie Sarama (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Science Foundation, $323,791 (2010-2014); award $1,194,944, transfer from University at Buffalo, The State University of New York

Comprehensive Postdoctoral Training in Scientific Education Research. Researcher: Julie Sarama (PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. U.S. Department of Education, Institute of Education Sciences, $133,458 (2010-2014); award $613,353, transfer from University at Buffalo, The State University of New York

Longitudinal Study of a Successful Scaling Up Project: Extending TRIAD. Research team: Douglas H. Clements (PI), Julie Sarama (Co-PI), and Abt Associates (Carolyn Layzer, Fatih Unlu, Laurie Bozzi, Lily Fesler, Alina Martinez, Cristofer Price, James van Orden). Technical reviewer for MCE: Sylvia D. Hall-Ellis. Institute of Education Sciences, $384,940 (2011-2015; award $1,250,286, transfer from University at Buffalo, The State University of New York

Early Childhood Education in the Context of Mathematics, Science, and Literacy. Research team: Julie Sarama (PI), Douglas H. Clements (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. National Science Foundation, $990,020 (2010-2014; award $2,285,228, transfer from University at Buffalo, The State University of New York

Early Childhood Clearinghouse Information Center Redesign. Research team: Karen Riley (PI) and Amanda Moreno (Co-PI).Technical reviewer for MCE: Sylvia D. Hall-Ellis. Office of the Lt. Governor of Colorado, $12,000 (2012-2013)

Morgridge Rural Educational Leadership Initiative. Research team: Lyndsay Agans (PI), Linda Brookhart (Co-PI), Susan Korach, and Rebecca McClure. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Morgridge Family Foundation, $100,000 (2012-2014)

Center of Excellence for Problem Gambling. Research team: Patrick Sherry (PI) and J. Mike Faragher. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Department of Behavioral Health, $55,000 (2012-2013)

Intermodal Transportation Institute Research Initiatives. Researcher: Patrick Sherry. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University Transportation Centers Program, Research and Innovative Technology Administration, U.S. Department of Transportation. $600,000 (2012-2014)

Mile High United Way Social Innovation Fund Early Literacy Initiative. Gloria L. Miller, PI, Amanda Moreano, Kim Hartnett-Edwards, and Sheridan Green. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Mile High United Way, $89,992 (2012-2013)

International School Psychology Practicum Exchange. Researcher: Gloria L. Miller. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Center for Community Engagement and Service Learning, $1,000 (2012-2013)

Refugee Student Art Outreach. Researcher: Karin Dittrick-Nathan. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Faculty Research Fund, $3,000 (2012-2013)

Resistance, Resilience, and Reciprocity: Centering the Voices of Black Doctoral Women with Faculty Aspirations. Researcher: Nicole M. Russell. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Faculty Research Fund, $2,965 (2012-2013)

Assessing Learning through Student Notebooks. Research team: Keith Miller, Nancy Sasaki, and Kathy Green. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Professional Research Opportunities for Faculty, $30,000 (2012-2014)

International School Psychology Practicum Exchange. Researcher: Gloria L. Miller. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Internationalization, $2,000 (2012-2013)

ELO in Colorado. Research team: Cynthia Hazel and Duan Zhang. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Legacy Foundation, $150,000 (2012-2013)

Creating Online LIS Courses. Research team: Mary C. Stansbury (PI), Shimelis Assefa, Denise Anthony, Xiao Hu, and Krystyna Matusiak. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Center for Teaching and Learning, $15,000 (2011-2013)

Maritime Piracy Seminar. Researcher: Ved Nanda, The Nanda Center, Sturm College of Law. Technical reviewer for Sturm College of Law: Sylvia D. Hall-Ellis. Arsenault Family Foundation, $15,000 (2012-2013).

Early Childhood Librarianship: An Interdisciplinary, Experiential Learning MLIS. Researcher: Mary C. Stansbury (PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. Laura Bush's 21st Century Librarians Program, Institute for Museums and Library Services, $249,066 (2012-2014)

Learning Ecosystem Planning Grant. Research team: Karen Riley (PI), Lyndsay Agans, Kent Seidel, and Shimelis Assefa. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Bill & Melinda Gates Foundation, $281,217 (2011-2012)

Advanced Service Learning Practitioner Faculty Grant, Sylvia D. Hall-Ellis, University of Denver, Center for Community Engagement and Service Learning, $400 (2011)

Evaluating and Enhancing the EspeciallyMe Program. Research team: Lori D. Patton and Nicole Russell. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Center for Community Engagement and Service Learning, Public Good Fellowship Grant, $24,780 (2012)

Choosing Excellence: Let Every Child Bloom. Research team: Shimelis Assefa (PI) and Mary C. Stansbury (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Center for Community Engagement and Service Learning, Public Good Grant, $7,657 (2012)

K-8 STEM Content Specific Professional Development to Improve Elementary Student Achievement. Research team: Kent Seidel (PI), Nicole Russell (Co-PI), Kimberly Hartnett-Edwards, Paul Michalec, Jeff Farmer, Keith Miller, Alegra Reiber, and Nancy Sasaki. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Department of Education, Improving Teacher Quality Grant, (Title II ESEA), $307,299 (2011-2012)

Building a Better Principal Pipeline to Boost Student Achievement. Researcher: Susan Korach. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Denver Public Schools; a subcontract from the Wallace Foundation Grant, $170,000 (2011-2017)

Center of Excellence for Problem Gambling. Research team: J. Mike Faragher (Co-PI) and Bobbie Vollmer (PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Department of Behavioral Health, $79,999 (2011-2012)

An Exploration of Novice Teachers' Core Competencies: Impacts on Student Achievement, and Effectiveness of Preparation. Research team: Kent Seidel (PI), Kathy Green (Co-PI), Kimberly Hartnett-Edwards, and Duan Zhang. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Institute of Education Sciences, Effective Teachers and Effective Teaching, $990,987 (2012-2015)

Project Engage, a DAPRA Grant in partnership with Total Immersion Systems, Inc., and Texas A&M University. Research team: Karen Riley (PI) and Lyndsay Agans (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. U.S. Department of Defense, $49,964 (2011-2014)

User-centered Evaluation of Music Search Engines. Researcher: Xiao Hu. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Faculty Research Fund, $2,931 (2011-2012)

Educational Practicum in Vietnam and China to Promote the Inclusion of Young Children with Disabilities. Researcher: Gloria L. Miller. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Office of Internationalization, $5,000 (2011-2012)

Evaluation of Colorado's Enhancing Quality in Infant-Toddler (EQIT) Initiative. Research team: Virginia R. Maloney and Amanda Moreno. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Buell Foundation, $395,884 (2011-2013)

Creating Engaging Environments to Teach Pre-Algebra Mathematics to Elementary Students. Research team: Álvaro Arias, Mario López, María del Carmen Salazar, and Lyndsay Agans. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver Interdisciplinary Grant, $60,000 (2011-2012)

Morgridge Education Technology Accessible (META) Resource Project. Research team: Lyndsay Agans (PI) and Shimelis Assefa (Co-PI). Technical reviewer for MCE: Sylvia D. Hall-Ellis. Morgridge Family Foundation, $36,000 (2011)

MCE Connect: A 21st Century Framework for Faculty Development. Research team: Bruce Uhrmacher (PI), Shimelis Assefa (Co-PI), Lyndsay Agans (Co-PI), Kimberly Hartnett-Edwards, Norma Hafenstein, Xiao Hu, Paul Michalec (Co-PI), María del Carmen Salazar (Co-PI), and Sandra Snyder-Mondragon. Technical reviewer for MCE: Sylvia D. Hall-Ellis. University of Denver, Center for Teaching and Learning, $22,355 (2011-2012)

Parent Education and Parent Leadership and Advocacy. Research team: Virginia Maloney (PI) and Amanda Moreno, Marsico Institute for Early Learning and Literacy. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Health Foundation, $27,358 (2010-2011)

Intentional School Culture. Researcher: Cynthia Hazel. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Denver Public Schools, $38,040 (2010-2011)

Healthy Eaters, Lifelong Movers: Implementing Evidence-Based School Environment, Policy, and Curricular Changes to Increase Opportunities for Healthy Eating and Physical Activity in Low Income, Rural Colorado. Research team: Elaine Berlansky, University of Colorado at Denver (PI), Nicholas Cutforth, University of Denver (Co-PI), and Allison Reeds. Technical reviewer for MCE: Sylvia D. Hall-Ellis. Colorado Health Foundation, $1,683,277 (2011-2014)

Second Life Learning Community. Research team: Don McCubbrey (PI), Sylvia D. Hall-Ellis (Co-PI), Walter LaMendola, and Paul Novak. University of Denver, Center for Teaching and Learning, $13,000 (2010-2011)

Reintroducing the Value of Law Librarians to Academic and Public Librarians in Colorado through the Identification and Use of Emerging Technologies. Research team: Sylvia D. Hall-Ellis (Co-PI), Stacey L. Bowers (PI), and Christopher Hudson, in partnership with Denver Public Library, Arapahoe Library District, and the Colorado State Supreme Court Library. University of Denver, Center for Community Engagement and Service Learning, $5,773 (2010-11)

Reintroducing the Value of Law Librarians to Public Librarians through the Identification and Use of Emerging Technologies and Resources. Research team: Stacey Bowers (PI) and Sylvia D. Hall-Ellis (Co-PI). American Association of Libraries, Wolters Kluwer Law & Business Grant Program, $2,725 (2010-2011)

Faculty Service Learning Pod. Research team: María del Carmen Salazar and Nicholas Cutforth (Curriculum and Instruction Program), Frank Tuitt (Higher Education Program), Cynthia Hazel and Gloria Miller (Child, Family, and School Psychology Program), and Sylvia D. Hall-Ellis (Library and Information Science Program). University of Denver, Center for Community Engagement and Service Learning, $8,000 (2010-2011)

Lincoln Collaborative. Research team: Antonio Esquibel (Principal, Lincoln High School), María del Carmen Salazar (Curriculum and Instruction Program), and. Sylvia D. Hall-Ellis. School Improvement Grant, Denver Public Schools, $375,000 (2010-2012)

Future LEADers of America: Leaders III. Research team: Denver Public Library (Kristen Svendson, PI), the University of Denver (Sylvia D. Hall-Ellis), the Colorado Chapter of REFORMA (Orlando Archibeque), and the Colorado Association of Libraries (Martin Garnar). Laura Bush's Recruiting Librarians for the 21st Century Program, Institute for Museums and Library Services, $988,366 (2009-2012)

Teaching for Success in the Library Environment: LIS 4030 in Library 2.0. Research team: Deborah S. Grealy (PI) and Sylvia D. Hall-Ellis (Co-PI). University of Denver, Center for Teaching and Learning, $ 9,350 (2009-10)

Writing Group Faculty Grant, Sylvia D. Hall-Ellis, University of Denver, Center for Community Engagement and Service Learning, $750 (2008-2009)

Collaborative Learning Faculty Grant, Sylvia D. Hall-Ellis, University of Denver, Center for Teaching and Learning, $1,500 (2008)

Connecting Information Literacy to Learning. Research team: Lori Micho, Merrie Valliant, Amanda Samland, and Sylvia D. Hall-Ellis. Colorado State Library, LSTA Discretionary Grant Program, $19,548 (2008-2009)

Law Librarianship Fellows Program. Research team: Sylvia D. Hall-Ellis (PI), Stacey Bowers (Co-PI), and Christopher Hudson, Westminster Law Library. Laura Bush's 21st Century Librarians Program, Institute for Museums and Library Services, $999,370 (2008-2012)

Grant Writing in a Cooperative Learning Environment. Sylvia D. Hall-Ellis. University of Denver, Center for Teaching and Learning, $2,000 (2008-2009)

Project Homeless Connect 6 Event Evaluation. Research team: Sylvia D. Hall-Ellis and Duan Zhang. University of Denver Center for Community Engagement and Service Learning, $9,785 (2008)

Project Ecuador: International Learning Service Libraries – A Faculty Development Experience in Ecuador. Sylvia D. Hall-Ellis, Office of Internationalization, University of Denver, $600 (2007)

Project Ecuador: International Learning Service Libraries – A Faculty Development Experience in Ecuador. Sylvia D. Hall-Ellis, International Service Learning Office, University of Denver, $400 (2007)

Project Homeless Connect 5 Event Evaluation. Research team: Sylvia D. Hall-Ellis and Duan Zhang. University of Denver Center for Community Engagement and Service Learning, $1,000 (2007)

Project Homeless Connect 4 Event Evaluation. Research team: Sylvia D. Hall-Ellis and Duan Zhang. University of Denver Center for Community Engagement and Service Learning, $4,595 (2007)

Future LEADers of America: Leaders II. Research team: Denver Public Library (Kristen Svendson, PI), the University of Denver (Sylvia D. Hall-Ellis), and the Colorado Chapter of REFORMA (Orlando Archibeque). Laura Bush's Recruiting Librarians for the 21st Century Program, Institute for Museums and Library Services, $988,518 (2007-2010)

Strategic Planning Assistance for the Denver Medical Library. Sylvia D. Hall-Ellis. Denver Medical Library, Inc., $30,000 (2006-2007)

Destiny Software for JMAC Student Lab. Sylvia D. Hall-Ellis, gift from the Sagebrush Corporation, Minneapolis, Minnesota, $10,000 (2006)

Libraries: Tools for Education and Development Worldwide: A Faculty Development Experience in France. Sylvia D. Hall-Ellis, Office of Internationalization, University of Denver, $800 (2005)

Denver Public Library: Opportunities for Change. Sylvia D. Hall-Ellis, Colorado Community Based Research Network, $2,000 (2005)

Future LEADers of America. Research team: Denver Public Library (Letty Icolari and Steve Taylor, PIs), Emporia State University (Jim Agee), and the University of Denver (Sylvia D. Hall-Ellis). Recruiting Librarians for the 21st Century Program, Institute for Museums and Library Services, $670,315 (2005-2008)

American Association of University Professors Summer Institute Professional Development Grant. Sylvia D. Hall-Ellis, American Association of University Professors, $300 (2005)

Beta Phi Mu Alumni Tea. Sylvia D. Hall-Ellis, gift from the Office of Alumni and Parent and Relations, University of Denver, $2,000 (2005)

Spectrum Software for LIS Student Lab. Sylvia D. Hall-Ellis, gift from the Sagebrush Corporation, Minneapolis, Minnesota, $5,000 (2005)

Developing Research Capacity in Community Organizations and Residents through Training and Technical Assistance. Nicholas J. Cutforth (PI) and Sylvia D. Hall-Ellis. Piton Foundation, $25,000 (2005-2006)

Libraries: Tools for Education and Development Worldwide: A Faculty Development Experience in Argentina. Sylvia D. Hall-Ellis, Office of Internationalization, University of Denver, $500 (2004)

Developing Research Capacity in Community Organizations and Residents through Training and Technical Assistance. Research team: Nicholas J. Cutforth (PI), Gary Lichtenstein and Sylvia D. Hall-Ellis, Piton Foundation, $25,000 (2003-2004)

Increasing Spanish-Speaking and Hispanic Diversity among Library and Information Science Students at the University of Denver: Development of a Student Recruitment Model. Researcher: Sylvia D. Hall-Ellis (PI), Office of Multicultural Excellence, University of Denver, $2,750 (2003-2004)

Collection Development Enrichment to Support the Cataloging & Classification Specialization and School Librarianship within the Library & Information Science Program at the University of Denver. Research team: Sylvia D. Hall-Ellis (PI) and Deborah S. Grealy. Women's Library Association, University of Denver, $4,000 (2003)

Collection Development Enrichment to Support the Library & Information Science Program at the University of Denver. Research team: Deborah S. Grealy (PI) and Sylvia D. Hall-Ellis. Women's Library Association, University of Denver, $4,000 (2001)

Wireless LAN for Library Education. Research team: Deborah S. Grealy (PI) and Sylvia Hall-Ellis. University of Denver, Center for Teaching and Learning, $24,000 (2001-2002)

Upward Bound – A Program for South Texas Youth. Research team: Monte Churchill, Executive Director of Community Relations; Gary R. Sauceda, Outreach Coordinator; Raymond Hernandez, (PI) Associate Dean for Student Success; and Sylvia D. Hall-Ellis, South Texas Community College (McAllen, Texas). U.S. Department of Education, Office of Postsecondary Education, $2,672,003 (1999-2003)

Write Now! Improving Elementary Students' Writing Skills. Research team: Caryl G. Thomason, Assistant Superintendent (PI); Karen Tankersley, Principal; and, Hal Anderson, Director of Technology, Cheyenne Mountain School District 12 (Colorado Springs, Colorado); and Sylvia D. Hall-Ellis. Colorado Department of Education, Educational Telecommunications Unit, $189,453 (1999-2001)

Operation Quick Start -- Distance Learning in Rural Colorado. Research team: Randal Weigum, Technology Coordinator (PI); Bonnie Barns, Director of Federal Programs and Staff Development; and, Adam "Joe" Raskop, Executive Director, Southeastern Board of Cooperative Educational Services (Lamar, Colorado); and Sylvia D. Hall-Ellis. Colorado Department of Education, Educational Telecommunications Unit, $400,000 (1999-2001)

Advanced Technological Training for Information Professionals for the 21st Century. Research team: Mario Reyna, Division of Business Director (PI) and Sylvia D. Hall-Ellis, South Texas Community College (McAllen, Texas). Phi Delta Kappa and the National Science Foundation, $250,000 (1999-2001)

Working Connections – Training Information Technologies Professionals for the 21st Century. Research team: Mario Reyna, Division of Business Director (PI) and Sylvia D. Hall-Ellis, South Texas Community College (McAllen, Texas). Microsoft Corporation and the American Association of Community Colleges, $1,147,775(1999-2001)

The ROAD (Research Oriented Amplification of Development to Literacy) Program. Research team: Deborah J. Leong (PI), Metropolitan State University; Elena Bodrova, Metropolitan State University; Dmitri Semenov, Robert J. Marzano, and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). Hewlett-Packard Foundation, $25,000 (1998-1999)

Press to Literacy. Research team: Deborah J. Leong (PI), Metropolitan State University; Elena Bodrova, Metropolitan State University; Dmitri Semenov, Robert J. Marzano, and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). The Denver Post and the Robert S. McCormick Foundation, $49,818 (1998-1999)

International Telementor Center. Research team: David Neils, David B. Frost (PI), and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). Hewlett-Packard Philanthropy, $100,000 (1998-1999)

America Reads: Providing Tutor Training for the America Reads Challenge. Research team: Louis F. Cicchinelli (PI) and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). U.S. Department of Education, Office of Educational Research and Improvement, $306,000 (1998-1999)

Comprehensive School Reform. Research team: Louis F. Cicchinelli (PI), J. Timothy Waters, and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). U.S. Department of Education, Office of Educational Research and Improvement, $285,000 (1998-1999)

Sustainable Energy Education (SEE) Program for Grades 4-8: Preparing Today's Youth for Lifelong Learning and Responsible Actions in Energy Conservation. Research team: Mary Gromko, Colorado Department of Education; Gene McCarthy, Rocky Flats Field Office, U.S. Department of Energy; Gina Kissell, National Renewable Energy Laboratory; and Barbara L. McCombs (PI), Janet L. Bishop, and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). State of Colorado Governor's Office for Energy Conservation, $499,936 (1997-1999)

Review of Kansas Curriculum Standards in Mathematics and Language Arts. Research team: Robert J. Marzano (PI), John S. Kendall, David B. Frost, and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). Submitted to the Kansas State Department of Education, $25,903 (1998)

International Telementor Center. Research team: David Neils, John Kuglin, Chris Rapp, David B. Frost (PI), and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). Hewlett-Packard Company, $54,752 (1998)

Genesis Mission: Education Public Outreach. Developed in partnership by the Jet Propulsion Laboratory, California Institute of Technology, Los Alamos National Laboratory, Lockheed Martin Astronautics, and the Mid-continent Regional Educational Laboratory (Aurora, Colorado). Research team: John T. Sutton (PI), Alice Krueger, Martha Henry, Greg Rawls, Shae Isaacs, Jeff Johnson, Deb Jordan, Arlene Mitchell, David B. Frost, Jana Caldwell, J. Timothy Waters, and Sylvia D. Hall-Ellis. National Aeronautics and Space Administration, $139,700,000; subcontract award, $4,750,000 (1997-2007)

North Dakota Mathematics Assessment Project. Developed in partnership by the North Dakota Department of Education and Mid-continent Regional Educational Laboratory (Mid-continent Regional Educational Laboratory). Research team: Ann Clapper, Clarence Bina, Greg Gallagher, North Dakota Department of Education; Don Burger (PI), Hillary Michaels, and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). U.S. Office of Education, $1,618,214; subcontract award, $389,076 (1997-2001)

Pacific Resources for Education and Learning Distance Education: Project Evaluation. Developed in partnership by the Pacific Educational Community, the Pacific Resources for Education and Learning (PREL), and Mid-continent Regional Educational Laboratory (McREL). Research team: John W. Kofel (PI), Executive Director, PREL; J. Timothy Waters, Executive Director; Joan Buttram, Robert Keller, and Sylvia D. Hall-Ellis, Mid-continent Regional Educational Laboratory (Aurora, Colorado). U.S. Office of Education, Star Schools Program, $10,000,000; subcontract award, $500,000 (1997-2002)

Identification of Bilingual Gifted and Talented Children: A Comprehensive School Grants for Bilingual Education. Developed in partnership by Hidalgo (Texas) ISD, Los Fresnos (Texas) CISD, Progreso (Texas) ISD, University of Texas – Pan American (Edinburg, Texas), and Education Service Center, Region One (Edinburg, Texas). Research team: Hilda Medrano, Dean, College of Education, University of Texas – Pan American; Linda Phemister (PI), Janie Navarro, and Sylvia D. Hall-Ellis, Education Service Center, Region One. U.S. Department of Education, Office of Bilingual Education and Minority Languages Affairs, $1,670,633 (1997-2002)

Academics 2000: First Things First -- The Texas Goals 2000. Developed for Jim Hogg (Hebbronville, Texas) County ISD, Mirando City (Texas) ISD, and San Isidro (Texas) ISD. Research team: Hilda Medrano, Dean, College of Education, University of Texas - Pan American (Edinburg, Texas); Angie Lehmann, Amy Mares, Ellen Gonzalez (PI), and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg, Texas). Texas Education Agency, $339,987 (1997-2000)

Southwestern Bell's Learning Communities Initiative. Developed for Tech Prep of the Rio Grande Valley, Inc. (Harlingen, Texas); the Center for Professional Teacher Development, University of Texas – Brownsville; Teach for America – Rio Grande Valley (McAllen, Texas); and Education Service Center, Region One (Edinburg, Texas). Research team: Patricia G. Bubb, Executive Director (PI), Tech Prep of the Rio Grande Valley; Martin Winchester, Executive Director, Teach for America – Rio Grande Valley; Aileen Johnson, Director, School of Education, University of Texas – Brownsville; and Sylvia D. Hall-Ellis. Southwestern Bell Foundation, $100,000 (1997-1998)

Texas School to Work: Regional Implementation. Developed for Tech Prep of the Rio Grande Valley, Inc. (Harlingen), South Texas Community College (McAllen), Texas State Technical College (Harlingen), Texas Southmost College (Brownsville), Empowerment Zone of the Rio Grande Valley (Mercedes), Project VIDA (Weslaco), Youth Fair Chance (McAllen), and Education Service Center, Region One (Edinburg). Research team: Patricia G. Bubb (PI), Tech Prep of the Rio Grande Valley; Stephen Vassberg, Texas State Technical College; Ellen Trevino, Youth Fair Chance; Wanda Garza, Project VIDA; Leonardo Olivares, University of Texas – Pan American; Michael Bell, South Texas Community College; and Sylvia D. Hall-Ellis. Texas Workforce Commission, $4,250,000 (1997-2002).

Comprehensive Bilingual Education Grant for Hidalgo ISD and Roma ISD. Developed for Hidalgo (Texas) ISD, Roma (Texas) ISD, College of Education, University of Texas – Pan American (Edinburg, Texas), and Education Service Center, Region One (Edinburg, Texas). Research team: Tomas Thomas (PI), Director, Office of Bilingual Education and Sylvia D. Hall-Ellis. U.S. Department of Education, Office of Bilingual Education and Minority Languages Affairs, $1,531,361 (1997-2002)

Lopez High School, Porter High School, Rivera High School, Central Middle School, and Perkins Middle School, Brownsville (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $1,473,611 (1997-1998)

Donna High School, Todd Middle School, and Solis Middle School, Donna (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $704,052 (1997-1998)

Memorial Middle School and Nellie Schunior Middle School, La Joya Independent School District (Texas). Telecommunications Infrastructure Fund Board, $293,641 (1997-1998)

Martin High School, Christen Middle School, Cigarroa Middle School, Lamar Middle School, Laredo (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $1,200,000 (1997-1998).

Lasara Middle School, Lasara (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $246,210 (1997-1998)

Los Fresnos High School and Resaca Middle School, Los Fresnos (Texas) Consolidated Independent School District. Telecommunications Infrastructure Fund Board, $500,000 (1997-1998)

Lyford Junior High School, Lyford (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $354,997 (1997-1998)

Travis Middle School, McAllen (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $269,139 (1997-1998)

Mission High School, Mission (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $297,010 (1997-1998)

Progreso High School, Progreso (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $300,000 (1997-1998)

San Perlita High School, San Perlita (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $293,490 (1997-1998)

Myra Green Junior High School, Raymondville (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $225,000 (1997-1998)

Rio Grande City High School, Ringgold Middle School, Gruella Middle School, Rio Grande City (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $809,934 (1997-1998)

Rio Hondo Junior High School, Rio Hondo (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $297,024 (1997-1998)

Roma High School, Roma (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $333,178 (1997-1998)

San Benito High School, Miller Jordan Junior High School, San Benito (Texas) Consolidated Independent School District. Telecommunications Infrastructure Fund Board, $547,000 (1997-1998)

Santa Maria High School and Santa Maria Middle School, Santa Maria (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $400,000 (1997-1998)

Salvador High School, United Independent School District (Laredo, Texas). Telecommunications Infrastructure Fund Board, $250,879 (1997-1998)

Weslaco High School, Cabaza Middle School, Cuellar Middle School, Weslaco (Texas) Independent School District. Telecommunications Infrastructure Fund Board, $874,242 (1997-1998)

Principals' Assessment and Training Center. Developed for Education Service Center, Region One (Edinburg, Texas). Research team: Roberto Zamora, Leonel Barrera, William H. Parry, and Sylvia D. Hall-Ellis. Texas Principals' Leadership Initiative, Texas Association of Secondary School Principals, Texas Association of Elementary School Principals, and the Sid Richardson Foundation. $461,439 (1996-1998)

The Texas Library Connection -- Integrating and Sharing Resources. Developed for Hidalgo County Library System (McAllen), Cameron County Library System (Brownsville), South Texas Community College (McAllen), the University of Texas - Pan American (Edinburg), University of Texas – Brownsville, and Education Service Center, Region One (Edinburg). Research team: William R. McGee, Coordinator, Hidalgo County Library System; Joe Garcia, Director, Cameron County Library System; Michael D. Bell, Library Director, South Texas Community College; Eleanor Folger Foster, University Library, University of Texas - Pan American; Jaime Vela (PI), Director of Instructional Technology and Media Services, Ron Pontius, Instructional Technology, and Fabiola Fuentes, Media Services, Education Service Center, Region One; and Sylvia D. Hall-Ellis. Office of Library Media Services, Technology Services, Texas Education Agency. $8,000 (1996-1997)

Developing Leadership Communities for Improving Algebra I for All Students. Developed for a partnership of the Region One Statewide Systemic Initiative Team. Research team: Noel Villarreal (PI), Eduardo Cancino, and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). Texas Statewide Systemic Initiative for Reform in Mathematics, Science and Technology Education to The Charles A. Dana Center for Mathematics and Science Education, The University of Texas at Austin. $25,000 (1996-1997)

Academics 2000: First Things First -- The Texas Goals 2000. Developed for Edinburg (Texas) CISD. Research team: Hilda Medrano, Dean, College of Education, University of Texas - Pan American (Edinburg); Helen Jones, Director (PI), Gifted and Talented Education, Edinburg CISD; and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). Texas Education Agency, $750,000 (1996-2001)

Texas Teachers Empowered for Achievement in Mathematics (TEXTEAM) Institute for Algebra I. Developed for Hidalgo ISD, Jim Hogg (Hebbronville) County ISD, La Joya ISD, La Villa ISD, Lyford ISD, Mission CISD, Pharr-San Juan-Alamo ISD, Rio Hondo ISD, San Isidro ISD, San Perlita ISD, Santa Maria ISD, Santa Rosa, Sharyland ISD, Valley View ISD, Webb (Laredo) CISD, Weslaco ISD, and Zapata County (Zapata) ISD. Research team: Noel Villarreal (PI), Chuck McInteer, Ellen M. Gonzalez, Education Service Center, Region One (Edinburg); and Sylvia D. Hall-Ellis. Charles A. Dana Center for Mathematics and Science Education, University of Texas - Austin, $15,975 (1996)

Community Learning Center for La Villa, Texas. Developed for Edcouch-Elsa Independent School District. Research team: Noe Gonzalez (PI), Assistant Superintendent, Edcouch-Elsa Independent School District, and Sylvia D. Hall-Ellis. Delta Region Subzone, Rio Grande Valley (Texas) Rural Empowerment Zone, $325,000 (1996-1997)

Monte Alto (Texas) Community Learning Center. Developed for Monte Alto Independent School District. Research team: Homero A. Diaz (PI), Superintendent, Monte Alto Independent School District, and Sylvia D. Hall-Ellis. Delta Region Subzone, Rio Grande Valley (Texas) Rural Empowerment Zone, $300,000 (1996-1997)

Community Learning Center for La Villa, Texas. Developed for La Villa Independent School District. Research team: Sam Gonzalez (PI), Assistant Superintendent, La Villa Independent School District; and Sylvia D. Hall-Ellis. Delta Region Subzone, Rio Grande Valley (Texas) Rural Empowerment Zone, $325,000 (1996-1997)

Building Project for Taylor Elementary. Developed for Mercedes (Texas) Independent School District. Research team: Mrs. Denise Rivera, Librarian, and Eduardo Infante, Principal, Taylor Elementary School; Ismael S. Cantu (PI), Federal Programs Director, Mercedes Independent School District; and Sylvia D. Hall-Ellis. Delta Region Subzone, Rio Grande Valley (Texas) Rural Empowerment Zone, $375,000 (1996-1997)

Border Education Network (BEN) - Distance Education through Cable Television. Developed for Edinburg (Texas) Consolidated Independent School District. Research team: Noe Torres (PI), Library Media Specialist, Magdalena Rosas, Library Media and Technology Coordinator, Edinburg Consolidated Independent School District; and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). Edinburg (Texas) Consolidated School District, $250,000 (1996-1997)

Multiservice One-Stop Open Enrollment Charter School. Developed for the Information Referral Resource Assistance, Inc. (McAllen, Texas). Research team: Pablo Perez and Aguie Pena (PI), Executive Director, Information Referral Resource Assistance, Inc.; Roberto Zamora and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). Texas Education Agency, $3,066,000 (1996-2001)

Project OK: A Community Youth Opportunities Grant for Summer, 1996. Developed for McAllen (Texas) Independent School District, St. Joseph the Worker Catholic Church, and the Office of Adult Education, Education Service Center, Region One. Research team: Father Bart Flatt, St. Joseph the Worker Catholic Church; Noe Calvillo (PI), Office of Adult Education; Maria Louisa Garcia, McAllen Independent School District; and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). Texas Protective and Regulatory Agency through the Office of the Mayor, City of McAllen, $350,000 (1996-2001).

Early Childhood: a Time of Discovery. Developed for a partnership of Lasara ISD, Rio Hondo ISD, San Perlita ISD, the School of Education, University of Texas - Brownsville, and Education Service Center, Region One (Edinburg). Research team: Hugo Rodriguez, Dean, School of Education, University of Texas - Pan American; Leonel Barrera and Jack Damron, Field Service Agents, Ellen M. Gonzalez (PI), Administrator for Student Instructional Services, Ruth Solis, Education Specialist in Special Education, and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). Texas Education Agency, $722,090 (1996-2001)

Innovative Gifted and Talented Programs for Early Childhood and Elementary Education Students. Developed for a partnership of Edinburg (Texas) CISD, the School of Education, University of Texas - Pan American (Edinburg), and Education Service Center, Region One (Edinburg). Research team: Hilda Medrano, Dean,

School of Education, University of Texas - Pan American; Helen de la Garza (PI), Director of Elementary Curriculum and Instruction, Edinburg CISD; and Sylvia D. Hall-Ellis. Texas Education Agency, $750,000 (1996-2001)

Reading Recovery in Early Elementary Grades. Developed for a partnership of La Villa (Texas) ISD the School of Education, University of Texas - Pan American (Edinburg), and Education Service Center, Region One (Edinburg). Research team: Hilda Medrano, Dean, School of Education, University of Texas - Pan American; Marcario Salinas (PI), Supervisor of Elementary Curriculum and Instruction, La Villa ISD; and Sylvia D. Hall-Ellis, Education Service Center, Region One. Texas Education Agency, $750,000 (1996-2001)

Connected Mathematics Project for Middle and Junior High Students. Developed for a partnership of Michigan State University, The Charles A. Dana Center for Mathematics and Science Education, The University of Texas at Austin and Region One Statewide Systemic Initiative Team. Research team: Jack Damron, Chuck McInteer, Noel Villarreal (PI), and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). National Science Foundation through Michigan State University to the Charles A. Dana Center at the University of Texas - Austin, $539,610 (1996-1999)

Sharing Resources: Testing the Interlibrary Loan Potential of the Texas Library Connection -- Integrating Media Resources. Developed under the sponsorship of the Hidalgo County Library System (McAllen) and Education Service Center, Region One (Edinburg). Research team: William H. McGee, Hidalgo County System Coordinator; Fabiola Fuentes, Library Media; Ronald Pontius (PI), Instructional Technology, Education Service Center, Region One; and Sylvia D. Hall-Ellis. Library Media Services Program, Office of Technology Services, Texas Education Agency, $25,000 (1996-1997)

State and Federal Adult Education JOBS Program. Developed for Education Service Center, Region One (Edinburg). Research team: Noe Calvillo (PI), Director, Adult Education Program, and Sylvia D. Hall-Ellis. Adult Education Program, Texas Education Agency, $532,846 (1995-1996)

Creating Safe and Drug-Free Schools and Communities. Developed for a partnership of the Region One Consortium for Safe and Drug-Free Education Environments. Research team: Clara Contreras (PI), Health Specialist, and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). Texas Education Agency, $150,000 (1995-1996)

Developing Leadership Communities for Improving Mathematics Performance for All Students on Title I Campuses. Developed for a partnership of the Region One Statewide Systemic Initiative Team. Research team: Jack Damron, Chuck McInteer, Noel Villarreal (PI), and Sylvia D. Hall-Ellis, Education Service Center, Region One (Edinburg). Texas Statewide Systemic Initiative for Reform in Mathematics, Science and Technology Education to The Charles A. Dana Center for Mathematics and Science Education, The University of Texas at Austin, $50,669 (1995-1996)

The Impact of Library Resource Centers on Academic Achievement in Selected Public Schools in South Texas. Sylvia D. Hall-Ellis (PI). Developed under the sponsorship of the Department of Library Science, College of Education and Applied Science, Sam Houston State University (Huntsville). Texas Association of School Librarians, Children's Services Round Table, and Young Adults Round Table (Austin, Texas), $2,500 (1995)

School Library Media Specialists Fellowship Program. Sylvia D. Hall-Ellis (PI). Developed under the sponsorship of the Department of Library Science, College of Education and Applied Science, Sam Houston State University (Huntsville, Texas). U.S. Department of Education, HEA Title II-B, Library Education and Human Resource Development Program, $44,000 (1995-1996)

Planning for Educational Technology. Research team: Ruth Ann Riggins (PI), Director of Library Media and Technology Services, Donna (Texas) Independent School District; Noe Torres, Education Service Center,

Region One; Patricia G. Bubb, Tech Prep of the Rio Grande Calley, Inc; Michael D. Bell, South Texas Community College; and Sylvia D. Hall-Ellis, Sam Houston State University. Developed under the sponsorship of Donna (Texas) Independent School District, Education Service Center, Region One (Edinburg), Tech Prep of the Rio Grande Valley, Inc. (Harlingen), South Texas Community College (McAllen), and the Department of Library Science, Sam Houston State University (Huntsville). Funded through Infusion of Educational Technology Planning Grant Program (H.B. 18: Models). Texas Education Agency, $18,000 (1993-1994)

The Impact of Library Resource Centers on Academic Achievement in Selected Public Schools in South Texas. Sylvia D. Hall-Ellis (PI) and Mary Ann Berry. Developed under the sponsorship of the Department of Library Science, College of Education and Applied Science, Sam Houston State University (Huntsville). Sam Houston State University Research Enhancement Fund, $7,500 (1993-1994)

Electronic Mail Resource Sharing System: Management and Operation of the Iowa Computer-Assisted Network. State Library of Iowa, $294,000 (1986-1993)

The Iowa Locator: A CD-ROM Resource Sharing Tool. State Library of Iowa, $567,000 (1986-1992)

Statewide Database Development: An OCLC Tape Analysis To Determine Feasibility. State Library of South Dakota, $15,000 (1987)

The Iowa Locator: A Feasibility Study. State Library of Iowa, $50,000 (1986)

Electronic Mail Resource Sharing System: A Feasibility Study for Libraries in the State of Iowa. State Library of Iowa, $5,000 (1985)

Access Pennsylvania: A Feasibility Study. State Library of Pennsylvania, $50,000 (1984)

Automating Library Administrative and Management Tasks: Procurement and Distribution of Microcomputer Systems for District Library Centers in the Commonwealth of Pennsylvania. State Library of Pennsylvania, $495,000 (1982)

Sharing Serial Titles Resources: Procurement and Distribution of Microfiche Readers for 550 Libraries in the Commonwealth of Pennsylvania. State Library of Pennsylvania, $500,000 (1982)

Electronic Mail System: A Pilot Project for Libraries throughout the Commonwealth of Pennsylvania. State Library of Pennsylvania, $125,000 (1982)

Literacy Program for Adults in Rural Upstate New York State: Program Outreach and Evaluation - Phase 3. Appalachian Regional Commission, $50,000 (1981)

Database Building: A Cooperative Project of the Finger Lakes Library System (Ithaca), Four County Library System (Binghamton), and the Southern Tier Library System (Corning). New York State Library, $450,000 (1980-1985)

Faces of the Southern Tier: A Professional Photographer-in-Residence. New York State National Endowment for the Humanities, $25,000 (1980)

Literacy Program for Adults in Rural Upstate New York State: Program Implementation - Phase 2. Appalachian Regional Commission, $50,000 (1980)

Small Business Resources Center: A Pilot Project for Rural Public Libraries. New York State Library, $50,000 (1980)

Attachment 5

Media Programming: A Professional Development Program for Public Librarians in Upstate New York: A Program in Allegheny, Chemung, Schuyler, Steuben, and Yates Counties. New York State Library, $35,000 (1979)

Information and Library Resources for Inmates and Prisoners in Selected Upstate New York Facilities: A Cooperative Program in Allegheny, Chemung, Schuyler, Steuben, and Yates Counties. New York State Library, $25,000 (1979)

Library Resources for Homebound Adults in Upstate New York: An Outreach Program in Allegheny, Chemung, Schuyler, Steuben, and Yates Counties. New York State Library, $40,000 (1979)

Literacy Program for Adults in Rural Upstate New York State: Program Initiation and Establishment - Phase 1. Funded by the Appalachian Regional Commission. Awarded to the Corning (New York) Public Library, $50,000 (1979)

Information Reference Services to Homebound Adults. New York State Library, $31,000 (1978)

Books-By-Mail Services to Homebound Adults. New York State Library, $31,000 (1978)

System Headquarters Services and Programs for Public Libraries in District 10. Funded through Library Services and Construction Act Title I. Texas State Library and Historical Commission, $880,000 (1976)

County Library Development Grant for Atascosita County. Funded through Library Services and Construction Act Title I. Texas State Library and Historical Commission, $15,000 (1976)

Spanish Language Materials Collection Development Program. Texas State Library and Historical Commission, $40,000 (1975)

Establishment of System Headquarters for Alamo Regional Library System (District 10) Headquartered at the San Antonio (Texas) Public Library. Texas State Library and Historical Commission, $800,000 (1975)

SELECTED CONSULTANTSHIPS

Project Strategic Planning & Funding Proposal Development

Walden University, 2015.
Pikes Peak Library District, 2014.
Douglas County Public Libraries, 2011-2012.
Denver School for Science and Technology, 2008-2011.
Johnson & Wales University, Denver Campus, 2007-2009.
Challenges, Choices, and Images K-12 Charter School, Denver Public Schools, 2007.
Denver Medical Library, Inc., 2006-2010.
Bemis Public Library (Littleton), Ergonomic Design and Facilities Enhancement Consultant, 2003.
Curtis Park Community Center (Denver), Community Technology Center Evaluation and Proposal Development Consultant, 2003.
Colorado Community Based Research Network (Denver), Funding Research Associate, 2002.
Our Lady of the Rosary Academy (Edgewater), Learning Resource Center Development Project Consultant, 2001-2003
University of Southern Colorado (Pueblo). Technology Integration and Curriculum Enhancement into Higher Education Learning Environment. Proposal Development Consultant, 2000.
Jefferson County Library System (Lakewood), 1999-2000.
Southeastern BOCES (Lamar, CO). Distance Learning Curriculum Content Development Project. Proposal Development Consultant, 1998-2004.
Cheyenne Mountain School District 12 (Colorado Springs, CO). Technology Integration into Elementary Writing Curriculum Project. Proposal Development Consultant, 1998.
Telecommunications Infrastructure Fund Board Round #2 Application, 1997. Technical assistance to the following: La Villa (Texas) Independent School District; Mirando City (Texas) Independent School District; Monte Alto (Texas) Independent School District; San Isidro (Texas) Independent School District.
Telecommunications Infrastructure Fund Board Round #1, 1996. Technical assistance to the following: Brownsville (Texas) Independent School District; Donna (Texas) Independent School District; Edinburg (Texas) Consolidated Independent School District; Harlingen (Texas) Consolidated Independent School District; Jim Hogg County Independent School District (Hebbronville, Texas); La Feria (Texas) Independent School District; La Joya (Texas) Independent School District; La Villa (Texas) Independent School District; Los Fresnos (Texas) Consolidated Independent School District; Progreso (Texas) Independent School District; Raymondville (Texas) Independent School District; Rio Hondo (Texas) Independent School District; San Benito (Texas) Independent School District; Sharyland Independent School District (Mission, Texas); Weslaco (Texas) Independent School District; Zapata (Texas) County Independent School District.
South Texas Community College (McAllen). Strategy Development to Meet the Technology Instructional Needs for Vocational, School-To-Work and Academic Programs, 1994-2000. Development Consultant.
Donna (Texas) Independent School District. Planning for the Infusion of Technology in Middle Schools Serving High At-Risk Students, 1994-1995. Research Associate.
Pettus (Texas) Independent School District. Planning for District-wide Automation in School Library Media Centers: Preparation of Data, and CD-ROM Hardware/Software Configuration Evaluation, 1994. Principal Investigator.
Fort Bend Independent School District (Sugar Land, TX). Planning for District-wide Automation in School Library Media Centers, Preparation of Data, and CD-ROM Hardware/Software Configuration Evaluation, 1994-1995. Principal Investigator.
Northern Waters Library Services (Ashland, WI). Professional Consulting Services to Make Recommendations on the Development of System-Wide Efforts of the Northern Waters Library Service, 1988-1989. Research Associate.
State Library of Iowa (Des Moines). The Iowa Locator Compact Disc to Support Multi-Type Libraries Resource Sharing including Database Design, Building, Production, and Distribution, 1986-1991. Project Director.
State Library of Iowa (Des Moines). Iowa Computer-Assisted Network Development, Enhancement, and Operation, 1985-1992. Technical Director.
State Library of South Dakota (Pierre). Statistical Sampling and Analysis of Multi-Institutional OCLC Archive Tape for Statewide Online Database Building, 1985-1986. Research Associate.
District of Columbia Public Library (Washington, DC). Planning Document for the Retrospective Conversion of Bibliographic Records and Automation Issues in the 1990's, 1984-1985. Research Associate.

State Library of Pennsylvania (Harrisburg). Database Development for High School Libraries, 1984-1985. Research Associate.
MINITEX (Minneapolis, MN). Workshops for Retrospective Conversion, Bar Coding, Library Statistics, and OCLC Serials Format, 1985. Presenter and Research Associate.
ABC Film Consortium (Altoona, Bellefonte, Johnstown, PA). Database Building, System Design, and Implementation of Online Film Booking System, 1983-1985. Database Manager.

Library Automation -- System Design & Implementation

Douglas County Library District (Castle Rock, CO). Library Automation Technical and System Performance Specifications, 2001.
Pharr-San Juan-Alamo Independent School District (Pharr, TX). Library Automation Technical and System Performance Specifications, 1997. Project Development Consultant.
Harlingen (Texas) Independent School District. Planning for District-wide Automation in Junior High School Library Media Centers: Preparation of Data, and CD-ROM Hardware/Software Configuration Evaluation, 1996. Principal Investigator.
Sharyland (Texas) Independent School District. Design and Construction of New Elementary School Library and Technology Resources Center, 1995-1996. Principal Investigator.
South Texas Independent School District (Mercedes, TX). Design and Construction of a New High School Library and Technology Resources Center, 1995-1996. Principal Investigator.
Citizens' Library (Washington, PA). Online Community Resources Files: Design and Implementation, 1984. Research Associate.
Altoona (Pennsylvania) Hospital. Integrated Online System Upgrade Study, 1984. Research Associate.
State Library of South Dakota (Pierre). Automation Plan and State Database Development, 1982-1983. Principal Investigator.
State Library of Pennsylvania (Harrisburg). COM Production and Preparation of the Technical Specifications Document, Procurement, and Distribution of Microcomputers in the Commonwealth of Pennsylvania, 1983-1984. Research Associate.
Altoona (Pennsylvania) Area Public Library. Integrated System (Circulation/Online Catalog) Study, 1982-1983. Principal Investigator.
COPSCAULD (Council of Pennsylvania State College and University Library Directors, Edinboro, PA). Design of Online Media Catalog, 1982. Principal Investigator.
Erie (Pennsylvania) County Library System. Operations Research and Design for Automated Circulation, Hardware Upgrade and Re-Retrospective Conversion, 1982. Research Associate.
Michigan Library Consortium (Lansing, MI). Tape Management System Design and Implementation, 1982-1984. Research Associate.
State Library of Pennsylvania (Harrisburg). Preparation of the Technical Specifications Document, Procurement and Distribution of Microfiche Readers in the Commonwealth of Pennsylvania, 1982. Research Associate.
Community College of Allegheny County, Allegheny Campus (Pittsburgh, PA). Integrated Systems Study, 1981. Principal Investigator.
Community College of Allegheny County, South Campus (West Mifflin, PA). Retrospective Conversion Training Program for Handicapped Students, 1981. Technical Director.
Southern Tier Library System (Corning, NY). OCLC Acquisitions Subsystem Evaluation, 1981. Principal Investigator.
South Central Reference and Research Council (Ithaca, NY). South Central Regional Delivery System, 1980. Principal Investigator.
Southern Tier Library System (Corning, NY). Newspapers on Microfilm in the Chemung-Southern Tier Library System, 1979-1981. Principal Investigator.

Cataloging & Bibliographic Database Building

Challenges, Choices, and Images K-12 Charter School, Denver Public Schools, 2007.
Denver Medical Library, Inc., 2006-2010.
Ricks Gifted and Talented School Library, 2005-
American Humane Society (Englewood), 2004-2006.
Fisher Early Learning Center Library, 2004-

Attachment 5

Colorado Community Based Research Network (Denver), 2004-
Boulder Valley School District (Boulder), 2002-2003.
Douglas Public Library District (Castle Rock), 2001-2002.

Bibliographic Center for Research, Inc. (Denver). Original Cataloging, 2001-2003 & 1992-1993. Professional Cataloger. Libraries include Arapahoe Library District (Centennial); Clarke College (Clarke, IA); Kaiser Permanente Center for Health Research (Portland, KS); Douglas County Library System (Carson City, NV); Grinnell College (Grinnell, IA); Kansas State University (Manhattan, KS); Kansas State Library (Topeka, KS); McPherson College (McPherson, KS); Newman University (Wichita, KS); Montana Technical University (Helena, MT); Montana State Library (Helena, MT); University of Texas Southwest Medical Center Library (Dallas, TX); Community College of Southern Nevada (Las Vegas, NV); Pikes Peak Library District (Colorado Springs); Mesa Community College (Grand Junction); Coe College (Cedar Rapids, IA); Briar Cliff College (Sioux City, IA); Tri-Care Health Systems (Aurora); The Penrose-St. Francis Healthcare System (Colorado Springs); Westminster Public Library (Westminster); Lutheran Medical Center Medical Library (Wheat Ridge); American Heritage Center, University of Wyoming (Laramie, WY); National Wildlife Research Center Library (Lakewood); University of Colorado Health Sciences Center, Denison Memorial Library (Denver); Water Resources Library, Denver District Office, Bureau of Land Management (Lakewood); Mesa State Community College Learning Resources Center (Pueblo); Front Range Community College Learning Resources Center (Westminster).

Colorado Historical Society Library (Denver). Original Cataloging of Serials for Multi-Institutional Union Listing Project, 1993. Technical Services Associate. Institutional partners: Denver Art Museum, Denver Museum of Natural History Library, and Denver Botanical Gardens Library.

Arapahoe Library District (Centennial). Original Cataloging of Major Media, 1991.

Original Cataloging Projects: Davis and Elkins College (Elkins, WV), 1989-1990; Waldorf College (Forest City, IA), 1989-1990; Kennametal Corporation (Latrobe, PA), 1984-1985; Pennsylvania Public Libraries Film Center (Harrisburg), 1982-1985.

Retrospective Conversion Projects: North Central Regional Library Service (Mason City, IA), 1987-1988; Southeastern Library Services (Davenport, IA), 1986-1987; Virginia Theological Seminary (Alexandria), 1984-1985; California University of Pennsylvania (California, PA), 1984-1985; Kennametal Corporation (Latrobe, PA), 1984-1985; West Virginia University (Morgantown), 1983-1985; Altoona Area Public Library (Altoona, PA), 1983-1984; George Washington University (Washington, DC), 1983-1984; Indiana University of Pennsylvania (Indiana, PA), 1983-1985; Health Education Center (Pittsburgh), 1983-1984; Central Pennsylvania District Library Center (Bellefonte, PA), 1982-1985; Duquesne University Law School Library (Pittsburgh), 1982-1983; Allegheny County Law Library (Pittsburgh), 1982-1984; Calgon Technical Information Center (Pittsburgh), 1982; Dow Corning Corporation, Technical Information Center (Midland, MI), 1982-1983; Tri-System Public Library Retrospective Conversion Project (Binghamton, Corning, and Ithaca, NY), 1978-1981, Technical Project Director.

Updated June 2024

Bibliographic Record - OCLC Number: 1412410

LDR	Record Status	'c' - Corrected or revised
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	Descriptive Cataloging Form	'i' - ISBD punctuation included
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	Illustrations	'ae '
	Target Audience	' ' - Unknown or unspecified
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	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
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	Cataloging Source Code	'c' - Cooperative cataloging program

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050 4 TF373 **$b** .M5 1940

082 0 699.03

110 2 Association of American Railroads. **$b** Mechanical Division. **$1** https://id.oclc.org/worldcat/entity/E39QQPVp7PvBBGx6dT83jPFHdF

245 1 0 Car builders' cyclopedia of American practice : **$b** definitions and typical illustrations of railroad and industrial cars, their parts and equipment ; descriptions and illustrations of shops and equipment employed in car construction and repair ; cars built in America for export to foreign countries / **$c** compiled and edited for the Association of American railroads ; Mechanical division (formerly Master car builders' association) ; editor, Roy V. Wright ... ; Managing editor, Robert C. Augur ... ; Editor--Shop section, Walter E. Dunham ; Associate editor, H.P. Foster ...

250 15th ed.--1940. **$b** 1st edition--Car builders' dictionary--1879.

260 New York, N.Y. ; **$a** Chicago, Ill. : **$b** Simmons-Boardman, **$c** ©1940.

300 1430 pages : **$b** illustrations (some color ; including plans) diagrams ; **$c** 30 cm

336 text **$b** txt **$2** rdacontent

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337 unmediated **$b** n **$2** rdamedia
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504 "Bibliography on car shops and car maintenance": pages 1323-1325
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655 7 dictionaries. **$2** aat
655 7 Dictionaries **$2** fast
655 7 Dictionaries. **$2** lcgft
655 7 Dictionnaires. **$2** rvmgf
700 1 Wright, Roydon Vincent, **$d** 1876-1948, **$e** editor.
700 1 Augur, Robert C. **$q** (Robert Clayton), **$d** 1866- **$1** https://id.oclc.org/worldcat/entity/E39PCjMpt4jFhCF8Xh78jTpvDy
700 1 Foster, H. P.

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450 __ |**a** Cars (Automobiles)
450 __ |**a** Gasoline automobiles
450 __ |**a** Motorcars (Automobiles)
550 __ |**w** g |**a** Motor vehicles
550 __ |**w** g |**a** Transportation, Automotive
670 __ |**a** Web. 3: |**b** Auto (by shortening) automobile; automobile (Usu. 4-wheeled automotive vehicle designed for passenger transportation on streets ... and commonly propelled by an internal combustion engine. Called also car or esp. Brit. motorcar; motorcar)
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Bibliographic Record - OCLC Number: 1415392

LDR	Record Status	'c' - Corrected or revised
	Type of Record	'a' - Language material
	Bibliographic Level	'm' - Monograph/Item
	Type of Control	' ' - No specified type of control
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	Descriptive Cataloging Form	'i' - ISBD punctuation included
001	1415392	
005	20241211200555.5	
008	Date Entered on File	'750626'
	Type of Date/Publication Status	's' - Single date
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	Illustrations	'ae '
	Target Audience	' ' - Unknown or unspecified
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	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
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050 0 Tf373 **$b** .M5 1946

082 0 699.03

110 2 Association of American Railroads. **$b** Mechanical Division. **$1** https://id.oclc.org/worldcat/entity/E39QQPVp7PvBBGx6dT83jPFHdF

245 1 0 Car builders cyclopedia of American practice : **$b** definitions and typical illustrations of railroad and industrial cars, their parts and equipment ; cars built in America for export to foreign countries ; descriptions and illustrations of shops and equipment employed in car construction ad repair / **$c** compiled and edited for the Association of American railroads--Mechanical division (formerly Master car builders association) ; Editor, Roy V. Wright ... ; managing editor, Robert C. Augur ... ; editor, Shop section, H. C. Wilcox ; associate editor, Shop section, C.L. Combes ...

250 17th ed., 1946.

260 New York, N.Y. ; **$a** Chicago, Ill. : **$b** Simmons-Boardman, **$c** 1946.

300 1446 pages : **$b** illustrations (some color ; including plans) diagrams ; **$c** 31 cm

FreightCar America, Ex. 1022
IPR Petition - USP 8,132,515

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337 unmediated **$b** n **$2** rdamedia
338 volume **$b** nc **$2** rdacarrier
500 Includes extra numbered pages 456A-456B.
504 Includes bibliographical references.
650 0 Cars and car building **$v** Dictionaries.
655 2 Dictionary
655 7 dictionaries. **$2** aat
655 7 Dictionaries **$2** fast
655 7 Dictionaries. **$2** lcgft
655 7 Dictionnaires. **$2** rvmgf
700 1 Wright, Roydon Vincent, **$d** 1876-1948, **$e** editor.
029 1 AU@ **$b** 000010165477

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LDR	Record Status	'c' - Corrected or revised
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	Date1/Beginning Date of Publication	'1953'
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	Illustrations	'a '
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	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
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019 1296820509 **$a** 1296862188

050 4 TF373 **$b** .C25 1953

082 0 4 625.22

245 0 0 Car builders cyclopedia of American practice : **$b** definitions and typical illustrations of railroad and industrial cars, their parts and equipment ; cars built in America for export to foreign countries ; descriptions and illustrations of shops and equipment employed in the construction and repair of cars / **$c** editor, C.B. Peck [and others].

250 19th ed.

260 New York : **$b** Simmons-Boardman, **$c** ©1953.

300 1280 pages : **$b** illustrations ; **$c** 30 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

650 0 Railroad cars **$x** Design and construction **$v** Encyclopedias.

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650 6 Chemins de fer **$x** Wagons **$x** Entretien et réparations **$v** Encyclopédies.
650 7 Railroad cars **$x** Design and construction **$2** fast
650 7 Railroad cars **$x** Maintenance and repair **$2** fast
655 2 Encyclopedia
655 7 encyclopedias. **$2** aat
655 7 Encyclopedias **$2** fast
655 7 Encyclopedias. **$2** lcgft
655 7 Encyclopédies. **$2** rvmgf
700 1 Peck, C. B.
710 2 Association of American Railroads. **$b** Mechanical Division. **$1** https://id.oclc.org/worldcat/entity/E39QQPVp7PvBBGx6dT83jPFHdF
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Bibliographic Record - OCLC Number: 5245643

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	Date2/Ending Date of Publication	'uuuu'
	Place of Publication, Production, or Execution Code	'nyu' - New York
	Frequency	'u' - Unknown
	Regularity	'u' - Unknown
	Type of Continuing Resource	' ' - None of the following
	Form of Original Item	' ' - None of the following
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	Nature of Entire Work	' ' - No specified nature of entire work
	Nature of Contents	' '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Original Alphabet or Script of Title	'a' - Basic Roman
	Entry Convention	'0' - Successive entry
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	Modified Record	' ' - Record is not modified
	Cataloging Source Code	' ' - National bibliographic agency

010 76002145

040 DLC **$b** eng **$c** DLC **$d** NST **$d** OCLCO **$d** OCLCQ **$d** OCLCF **$d** OCLCQ **$d** JQF **$d** OCL **$d** OCLCL

012 3 **$i** 9109

019 1098361389 **$a** 1124297221

042 pcc

043 n-us---

050 0 0 TF373 **$b** .C27

245 0 0 Car and locomotive cyclopedia of American practice.

246 1 4 Car and locomotive cyclopedia **$f** 1966-

260 New York, **$b** Simmons-Boardman Pub. Corp.

300 volumes **$b** illustrations **$c** 30 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

362 0 1st- ed.; 1966-
550 Compiled and edited for the Association of American Railroads, Mechanical Division.
580 Formed by the union: Locomotive cyclopedia of American practice, and: Car builders' cyclopedia of A merican practice.
650 0 Railroad cars.
650 0 Locomotives **$z** United States.
650 7 Locomotives. **$2** fast **$0** (OCoLC)fst01001752
650 7 Railroad cars. **$2** fast **$0** (OCoLC)fst01431051
651 7 United States. **$2** fast **$0** (OCoLC)fst01204155 **$1** https://id.oclc.org/worldcat/entity/E39PBJtxgQX MWqmjMjjwXRHgrq
655 7 Periodicals. **$2** fast **$0** (OCoLC)fst01411641
655 7 Periodicals. **$2** lcgft
710 2 Association of American Railroads. **$b** Mechanical Division.
776 0 8 **$i** Online version: **$t** Car and locomotive cyclopedia of American practice **$w** (OCoLC)559367701
780 1 4 **$t** Locomotive cyclopedia of American practice
780 1 4 **$t** Car builders' cyclopedia of American practice
850 CSf **$a** PU
936 1966
029 1 AU@ **$b** 000025580618

Attachment 8B

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LC control no.: sh 88003668
LCCN Permalink: https://lccn.loc.gov/sh88003668
HEADING: Locomotives United States

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001 4816800
005 20110729125528.0
008 880615|| anannbabn |n ana
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035 __ |**a** (DLC)163485
040 __ |**a** DLC |**c** DLC
150 __ |**a** Locomotives |**z** United States
906 __ |**t** 8828 |**u** fk05 |**v** 0
953 __ |**a** fk07

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Bibliographic Record - OCLC Number: 42241575

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	Encoding Level	' ' - Full level
	Descriptive Cataloging Form	'a' - AACR2
001	42241575	
005	20230928090904.4	
008	Date Entered on File	'990825'
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	Date1/Beginning Date of Publication	'1997'
	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'nbu' - Nebraska
	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
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	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
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020 0911382208

020 9780911382204

050 4 TF373 **$b** .C27 1997

245 0 4 The Car and locomotive cyclopedia of American practices : **$b** combining the Car Builders' Cycloped ia, first published in 1879 as the "Car Builders' Dictionary," and the Locomotive Cyclopedia, first publ ished in 1906 as the "Locomotive Dictionary, " combined as the Car and Locomotive Cyclopedia in 19 66 / **$c** edited by William W. Kratville [and others].

250 6th ed.

260 Omaha, Neb. : **$b** Simmons-Boardman Books, **$c** ©1997.

300 xv, 1136 pages : **$b** illustrations ; **$c** 28 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

500 "No. 1725/6000."

650 0 Railroad cars **$v** Dictionaries.
650 0 Locomotives **$v** Dictionaries.
650 7 Locomotives **$2** fast
650 7 Railroad cars **$2** fast
655 7 dictionaries. **$2** aat
655 7 Dictionaries **$2** fast
655 7 Dictionaries. **$2** lcgft
655 7 Dictionnaires. **$2** rvmgf
700 1 Kratville, William W.
700 1 O'Connor, Laura Jean.
730 0 2 Car builder's cyclopedia.
730 0 2 Locomotive cyclopedia.
938 Baker & Taylor **$b** BKTY **$c** 175.00 **$d** 179.95 **$i** 0911382208 **$n** 0003315252 **$s** active
938 YBP Library Services **$b** YANK **$n** 1872973
029 1 AU@ **$b** 000020549164

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MARC Display | Labelled Display

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053 _0 |**a** TJ603 |**b** TJ695
150 __ |**a** Locomotives
450 __ |**a** Engines, Train
450 __ |**a** Iron horses (Locomotives)
450 __ |**a** Railroads |**x** Engines
450 __ |**a** Train engines
550 __ |**w** g |**a** Machinery
550 __ |**w** g |**a** Railroads |**x** Rolling stock
670 __ |**a** Web. 3.
670 __ |**a** Awdry, W. Happy birthday, Thomas!, c1990 |**b** (summary note: Thomas the train engine thinks that all the other engines are too busy to help him celebrate his birthday)
670 __ |**a** Train engine online coloring page, June 20, 2005 |**b** (steam locomotive)
670 __ |**a** Model train engines & cars, via Yahoo! Shopping, June 20, 2005
670 __ |**a** Clipart of trains and train engines and box cars ... via WWW, June 20, 2005 |**b** (train engines; train with two engines; train engine and train cars)
670 __ |**a** Steam and diesel train engines, via WWW, June 20, 2005 |**b** (the very first trains were pulled by horses; that all changed with the invention of two locomotives that have ruled the rails for decades; steam locomotive; diesel locomotive)
906 __ |**t** 0642 |**u** te04 |**v** 0

952 __ |**a** 0 bib. records to be changed
953 __ |**a** xx00 |**b** ta27

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Bibliographic Record - OCLC Number: 154689906

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	Bibliographic Level	'm' - Monograph/Item
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	Descriptive Cataloging Form	'i' - ISBD punctuation included
001	154689906	
005	20241105220603.1	
008	Date Entered on File	'070807'
	Type of Date/Publication Status	's' - Single date
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	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'pau' - Pennsylvania
	Illustrations	'ab '
	Target Audience	' ' - Unknown or unspecified
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	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'1' - Index present
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
	Language Code	'eng' - English
	Modified Record	' ' - Record is not modified
	Cataloging Source Code	' ' - National bibliographic agency

010 2007032535

040 DLC **$b** eng **$e** rda **$c** DLC **$d** BTCTA **$d** BAKER **$d** UKM **$d** YDXCP **$d** C#P **$d** BWX **$d** VP@ **$d** IXA **$d** BDX **$d** OCLCF **$d** OCLCO **$d** OCLCQ **$d** WIH **$d** WYU **$d** UKMGB **$d** P HA **$d** OCLCO **$d** OCLCL **$d** IG#

015 GBA771309 **$2** bnb

016 7 013834222 **$2** Uk

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020 1589661540 **$q** (cloth)

043 n-us---

050 0 0 TF479 **$b** .K36 2007

082 0 0 625.2/4 **$2** 22

100 1 Karig, Martin Robert, **$d** 1946- **$e** author. **$1** https://id.oclc.org/worldcat/entity/E39PCjD7ymXYpVkbTCKTjKkbh3

245 1 0 Coal cars : **$b** the first three hundred years / **$c** by Martin Robert Karig III.

264 1 Scranton, Pa. : **$b** University of Scranton Press,

264 2 Chicago, IL : **$b** Distribution, University of Scranton Press, Chicago Distribution Center,

264 4 **$c** ©2007.

300 xi, 420 pages : **$b** illustrations, maps ; **$c** 29 cm
336 text **$b** txt **$2** rdacontent
336 still image **$b** sti **$2** rdacontent
337 unmediated **$b** n **$2** rdamedia
338 volume **$b** nc **$2** rdacarrier
504 Includes bibliographical references (pages 411-413) and index.
505 0 Coal and the development of railroads -- From wood to iron -- The transition years -- The age of steel -- Appliances and accessories for coal cars -- Freight car trucks -- Lettering and marking of coal cars -- Photo gallery -- Appendix A, Nomenclature of coal cars -- Appendix B, Glossary -- Appendix C, M.C. B.A. safety appliance standards for open top cars (1893-1911) -- Appendix D, U. S. safety appliance st andards for hopper cars and gondolas.
650 0 Freight cars **$z** United States.
650 6 Wagons de marchandises **$z** États-Unis.
650 7 Freight cars. **$2** fast **$0** (OCoLC)fst01432139
651 7 United States. **$2** fast **$0** (OCoLC)fst01204155 **$1** https://id.oclc.org/worldcat/entity/E39PBJtxgQXMWqmjMjjwXRHgrq
758 **$i** has work: **$a** Coal cars (Text) **$1** https://id.oclc.org/worldcat/entity/E39PCG9PKXvMmq67QbQvCYW343 **$4** https://id.oclc.org/worldcat/ontology/hasWork
856 4 1 **$3** Table of contents **$u** http://catdir.loc.gov/catdir/toc/ecip0724/2007032535.html
856 4 2 **$3** Contributor biographical information **$u** http://catdir.loc.gov/catdir/enhancements/fy0827/2007032535-b.html
856 4 2 **$3** Publisher description **$u** http://catdir.loc.gov/catdir/enhancements/fy0827/2007032535-d.html
938 Ingram Library Services **$b** INGR **$n** in015566453
938 Ingram Library Services **$b** INGR **$n** in501256301
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938 Brodart **$b** BROD **$n** 07243510 **$c** $75.00
938 Baker and Taylor **$b** BTCP **$n** BK0007226587
938 YBP Library Services **$b** YANK **$n** 2602249
938 Blackwell Book Service **$b** BBUS **$n** R9687254 **$c** $75.00
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029 1 UKMGB **$b** 013834222

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LCCN Permalink: https://lccn.loc.gov/sh2008121199
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667 __ |**a** Record generated for validation purposes.
670 __ |**a** Work cat.: Chicago and North Western final freight car roster, c1999
906 __ |**t** 8888 |**u** te00 |**v** 0
953 __ |**a** te00

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Library of Congress Online Catalog
URL: https://catalog.loc.gov/

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Attachment 11A

Bibliographic Record - OCLC Number: 316656841

LDR	Record Status	'c' - Corrected or revised
	Type of Record	'a' - Language material
	Bibliographic Level	'm' - Monograph/Item
	Type of Control	' ' - No specified type of control
	Encoding Level	' ' - Full level
	Descriptive Cataloging Form	'a' - AACR2
001	316656841	
005	20240518001006.9	
008	Date Entered on File	'070131'
	Type of Date/Publication Status	's' - Single date
	Date1/Beginning Date of Publication	'2006'
	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'enk' - England
	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	' '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
	Language Code	'eng' - English
	Modified Record	' ' - Record is not modified
	Cataloging Source Code	'd' - Other

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015 GB9119854 **$2** bnb

019 1118080253

020 1905184182

020 9781905184187

043 e-uk-en

082 0 4 688.6094276 **$2** 20

100 1 Coates, Neil.

245 1 0 Lancashire & Yorkshire wagons. **$n** Volume two / **$c** by Noel Coates.

246 3 Lancashire and Yorkshire wagons

260 Didcot, Oxon. : **$b** Wild Swan, **$c** ©2006.

300 1 volume : **$b** illustrations ; **$c** 28 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

Attachment 11A

610 2 0 Lancashire & Yorkshire Railway **$x** History.
650 0 Freight cars **$z** England **$z** Lancashire **$x** History.
650 0 Freight cars **$z** England **$z** Yorkshire **$x** History.
650 6 Wagons de marchandises **$z** Angleterre **$z** Lancashire **$x** Histoire.
650 6 Wagons de marchandises **$z** Angleterre **$z** Yorkshire **$x** Histoire.
650 7 Freight cars. **$2** fast **$0** (OCoLC)fst01432139
651 7 England **$z** Lancashire. **$2** fast **$0** (OCoLC)fst01204978 **$1** https://id.oclc.org/worldcat/entity/E39QbtfRCmkYKxHM8QBHq7MwvB
651 7 England **$z** Yorkshire. **$2** fast **$0** (OCoLC)fst01213252
655 7 History. **$2** fast **$0** (OCoLC)fst01411628
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LC control no.: n 81025947
LCCN Permalink: https://lccn.loc.gov/n81025947
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410 2_ |**a** L.Y.R.
410 2_ |**a** L.&Y.
510 2_ |**w** a |**a** London and North-Western Railway
510 2_ |**w** a |**a** North Union Railway Company
510 2_ |**w** a |**a** Manchester and Leeds Railway
510 2_ |**w** b |**a** London, Midland and Scottish Railway Company
670 __ |**a** Its By-laws, rules, & regulations, 1869.
670 __ |**a** The Lancashire & Yorkshire Railway traffic control maps 1922, 1984: |**b** text (in 1923 became part of the London, Midland and Scottish Railway)
670 __ |**a** Rules and regulations of the North Union Railway Company, 1840, 1998: |**b** p.3-4 (in 1847 the Manchester & Leeds became the Lancashire & Yorkshire Railway; the railway absorbed part of the former North Union Railway when it ceased to exist in 1888; the Lancashire & Yorkshire Railway (L.&Y.) and the London & North Western Railway merged in 1922)
952 __ |**a** RETRO
953 __ |**a** xx00

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450 __ |**a** Annals
550 __ |**a** Auxiliary sciences of history
906 __ |**t** 9919 |**u** te05 |**v** 0
953 __ |**a** xx00 |**b** ta25

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043 __ |**a** e-uk-en
151 __ |**a** England
368 __ |**b** Country
368 __ |**b** Countries (sovereign states) |**2** aat
370 __ |**c** Great Britain |**2** naf
370 __ |**f** Europe |**f** Europe, Western |**2** lcsh
451 __ |**a** Angleterre
451 __ |**a** Angliia͡
451 __ |**a** Inghilterra
451 __ |**a** Engeland
451 __ |**a** Inglaterra
451 __ |**a** Anglija
551 __ |**w** b |**a** England and Wales
667 __ |**a** Heading for England valid as a jurisdiction before 1536 only. Use "(England)" as qualifier for places (16.2.2.10) and for nongovernment bodies (11.13.1.3).
670 __ |**a** Enc. Brit., 15th ed. |**b** (Wales united politically, administratively, and economically with England by the Act of Union of 1536)
670 __ |**a** Rancy, C. Fantastique et décadence en Angleterre, 1890-1914, c1982: |**b** t.p. (Angleterre)
670 __ |**a** Skripnikova, L.V. Ot koloniĭ k suverenitetu, 1985: |**b** t.p. (Anglii) p. (Angliia͡)

670 __ |**a** De Paola, F. Il carteggio del napoletano Jacopo Antonio Marta ... 1984: |**b** t.p. (Inghilterra)

670 __ |**a** Smedts, M. Engeland, 1964.

670 __ |**a** Irazusta, J. La monarquía constitucional en Inglaterra, 1970.

670 __ |**a** Slovensko-angleški slovar, 1962: |**b** page 752 (Anglija: England)

670 __ |**a** Wikipedia, June 27, 2019 |**b** (England is a country that is part of the United Kingdom. It shares land borders with Wales to the west and Scotland to the north; The country covers five-eighths of the island of Great Britain, which lies in the North Atlantic, and includes over 100 smaller islands, such as the Isles of Scilly and the Isle of Wight; 51°30′N 0°7′W)

678 __ |**a** In 1536 Wales was united with England to form England and Wales. In 1707 Scotland was united with England and Wales to form Great Britain.

781 _0 |**z** England

952 __ |**a** RETRO

953 __ |**a** xx00 |**b** hf10

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LC control no.: n 79043438
LCCN Permalink: https://lccn.loc.gov/n79043438
HEADING: Lancashire (England)

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034 __ |**d** W0030500 |**e** W0020200 |**f** N0541400 |**g** N0532800 |**2** bound
034 __ |**d** -003.0845 |**e** -002.0451 |**f** 054.2396 |**g** 053.4828 |**2** bound
035 __ |**a** (OCoLC)oca00276858
040 __ |**a** DLC |**b** eng |**e** rda |**c** DLC |**d** DLC |**d** NIC |**d** DLC |**d** OCoLC |**d** DLC |**d** DLC-S |**d** OCoLC |**d** WaU
043 __ |**a** e-uk-en
151 __ |**a** Lancashire (England)
368 __ |**b** Counties |**2** lcsh
370 __ |**c** England |**2** naf
451 __ |**a** Lancaster (England : County)
451 __ |**a** County of Lancashire (England)
451 __ |**a** County Palatine of Lancaster (England)
667 __ |**a** Includes the old catalog headings: Lancashire; Lancashire, Eng.
670 __ |**a** BL hdg. |**b** (Lancashire (England))
670 __ |**a** Foreign names information bulletin, July 31, 2001 |**b** (former name: Lancaster [short form], Lancashire [long form]--ADM1, 53°55′N 02°35′W (UK25); new name: Lancashire [short form], County of--ADM1, 53°50′N 02°30′W (UKH2))
670 __ |**a** Its Technical Instruction Committee. Report of the Director of Technical Instruction, for the year ending September, 1893: |**b** t.p. (County Palatine of Lancaster)
670 __ |**a** GeoNames, algorithmically matched, 2009 |**b** (adm2; 53°50′00″N 002°30′00″W)
781 _0 |**z** England |**z** Lancashire
952 __ |**a** RETRO
953 __ |**a** xx00 |**b** ym82

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MARC Display | Labelled Display

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LCCN Permalink: https://lccn.loc.gov/n81050764
HEADING: Yorkshire (England)

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043 __ |**a** e-uk-en
151 __ |**a** Yorkshire (England)
451 __ |**w** nnaa |**a** Yorkshire, Eng.
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781 _0 |**z** England |**z** Yorkshire
952 __ |**a** RETRO
953 __ |**a** xx00 |**b** ea07

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Bibliographic Record - OCLC Number: 295002165

LDR	Record Status	'c' - Corrected or revised
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	Bibliographic Level	'm' - Monograph/Item
	Type of Control	' ' - No specified type of control
	Encoding Level	' ' - Full level
	Descriptive Cataloging Form	'a' - AACR2
001	295002165	
005	20241103203000.4	
008	Date Entered on File	'081222'
	Type of Date/Publication Status	's' - Single date
	Date1/Beginning Date of Publication	'2008'
	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'enk' - England
	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	' '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
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	Cataloging Source Code	' ' - National bibliographic agency

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020 9781905505081 **$q** (pbk.)

020 1905505086 **$q** (pbk.)

042 ukblcatcopy

043 e-uk---

082 0 4 385.34094109046 **$2** 22

100 1 Larkin, David, **$d** 1946- **$1** https://id.oclc.org/worldcat/entity/E39PCjDqKkDTXdg7ymtGHvMybd

245 1 0 Wagons of the final years of British railways : **$b** a pictorial study of the 1962 to 1968 period / **$c** by David Larkin.

260 Southampton : **$b** Kestrel Railway, **$c** ©2008.

300 viii, 88 pages : **$b** illustrations ; **$c** 28 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier
650 0 Freight cars **$z** Great Britain **$x** History.
650 0 Freight cars **$z** Great Britain **$x** History **$v** Pictorial works.
650 6 Wagons de marchandises **$z** Grande-Bretagne **$x** Histoire.
650 6 Wagons de marchandises **$z** Grande-Bretagne **$x** Histoire **$v** Ouvrages illustrés.
650 7 Freight cars **$2** fast
651 7 Great Britain **$2** fast **$1** https://id.oclc.org/worldcat/entity/E39PBJdmp7p3cx8hpmJ8HvmTpP
655 7 History **$2** fast
655 7 Illustrated works **$2** fast
758 **$i** has work: **$a** Wagons of the final years of British railways (Text) **$1** https://id.oclc.org/worldcat/entity/E39PCGXkP46d7878g3tchWpRYX **$4** https://id.oclc.org/worldcat/ontology/hasWork
938 Baker and Taylor **$b** BTCP **$n** BK0007963272
029 1 UKMGB **$b** 014864862

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LCCN Permalink: https://lccn.loc.gov/n79023147
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024 7_ |**a** 127756949 |**2** viaf
024 7_ |**a** 0000000122483427 |**2** isni
024 7_ |**a** 62149 |**2** opensm
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034 __ |**d** W0020000 |**e** W0020000 |**f** N0540000 |**g** N0540000 |**2** wfbcia
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034 __ |**d** -014.02 |**e** 002.09 |**f** 061.06 |**g** 049.67 |**2** bound
035 __ |**a** (OCoLC)oca00256912
040 __ |**a** DLC |**b** eng |**e** rda |**c** DLC |**d** DLC |**d** NjP |**d** DLC |**d** WaU |**d** InU |**d** OCoLC |**d** DLC |**d** CSt |**d** Uk |**d** WaU |**d** DLC |**d** WaU |**d** CaOONL

042 __ |**a** nlc
043 __ |**a** e-uk---
046 __ |**s** 1707-05-01 |**2** edtf
151 __ |**a** Great Britain
368 __ |**b** Country |**b** Kingdom
368 __ |**b** Countries (sovereign states) |**2** aat
368 __ |**b** Kingdoms (political administrative bodies) |**2** aat
368 __ |**b** Nations |**2** aat
368 __ |**b** Island nations |**2** aat
368 __ |**b** Nation |**b** National state |**2** thesoz
368 __ |**b** State |**2** eurovocen
368 __ |**b** State |**2** stw
370 __ |**c** England |**c** Wales |**c** Scotland |**c** Northern Ireland |**2** naf
370 __ |**f** Europe |**f** Europe, Western |**f** Commonwealth countries |**2** lcsh
377 __ |**a** eng
451 __ |**a** Storbritannien
451 __ |**a** Anglia
451 __ |**a** Wielka Brytania
451 __ |**a** Nagy-Britannia
451 __ |**a** United Kingdom
451 __ |**a** United Kingdom of Great Britain and Ireland
451 __ |**a** United Kingdom of Great Britain and Northern Ireland
451 __ |**a** Grande-Bretagne
451 __ |**a** Angliyah
451 __ |**a** Briṭanyah
451 __ |**a** Velikobritanii͡a
451 __ |**a** Saharātcha‘ānāčhak
451 __ |**a** Marea Britanie
451 __ |**a** Grossbritannien
451 __ |**a** Prydain Fawr
451 __ |**a** Royaume-Uni
451 __ |**a** Iso-Britannia
451 __ |**a** Yhdistynyt kuningaskunta
451 __ |**a** Förenade kungariket
451 __ |**a** Grã-Bretanha
451 __ |**a** בריטניה
451 __ |**a** イギリス
451 __ |**a** Igirisu
451 __ |**a** Briṭena
551 __ |**a** Northern Ireland
551 __ |**a** Scotland
551 __ |**a** Wales

551 __ |**w** a |**a** England and Wales

667 __ |**a** Non-Latin script references not evaluated.

667 __ |**a** SUBJECT USAGE: This heading is used for works on the United Kingdom of Great Britain and Northern Ireland, which comprises England, Northern Ireland, Scotland, and Wales, as well as works on the island of Great Britain. Works on the Republic of Ireland and on the island of the British Isles called Ireland are entered under Ireland. Works on the non-jurisdictional island group comprising the islands of Great Britain, Ireland, and smaller adjacent islands are entered under the subject heading British Isles.

670 __ |**a** Marx, F. L'administration locale en Grande-Bretagne, 1972: |**b** t.p. (Grande-Bretagne)

670 __ |**a** Yehude Angliyah ba-'et ha-ḥadashah, 1981: |**b** t.p. (Angliyah)

670 __ |**a** Tolkowsky, S. Yoman Tsiyoni medini, 1981: |**b** index (Briṭanyah)

670 __ |**a** Sŭvet za prav. i trans. na geog. imena (Bulgaria). Spisŭk na transkribiranite geografski imena ot Velikobritaniia i Severna Irlandiia, 1983.

670 __ |**a** Phiphat Thai'ārī. Nayōbāi læ krabūankān prærūp ... 1986: |**b** t.p. (Saharātcha'ānāčhak)

670 __ |**a** Dobrinescu, V.F. Diplomația României, Titulescu și Marea Britanie, 1991: |**b** t.p. (Marea Britanie)

670 __ |**a** Grossbritannien, c1995.

670 __ |**a** Adroddiad blynyddol a chyfrifon, Cymru, 1999-2000: |**b** p. 146 caption (Prydain Fawr) p. 147 caption (Great Britain)

670 __ |**a** La France et le Royaume-Uni dans un monde en mutation, 2005.

670 __ |**a** GeoNames, algorithmically matched, 2009 |**b** (civil; 52°09′41″N 000°42′11″W)

670 __ |**a** Britannica academic, viewed on July 14, 2016: |**b** Act of Union (went in to effect on May 1, 2017; the union of England and Scotland under the name Great Britain) Wales (Wales was formally joined to England by the Act of Union of 1536)

670 __ |**a** Wikipedia, August 6, 2018 |**b** (The United Kingdom of Great Britain and Northern Ireland, commonly known as the United Kingdom (UK) or Britain, is a sovereign country in western Europe; includes the island of Great Britain, the north-eastern part of the island of Ireland and many smaller islands; consists of four countries: England, Northern Ireland, Scotland, and Wales)

670 __ |**a** YSO places, via WWW, August 6, 2018 |**b** (United Kingdom; Iso-Britannia (Finnish), variant: Yhdistynyt kuningaskunta; Storbritannien (Swedish), variant: Förenade kungariket) |**u** http://finto.fi/yso-paikat/en/page/p104990

670 __ |**a** National Library of Brazil, in VIAF, August 6, 2018 |**b** (Grã-Bretanha)

670 __ |**a** National Library of Israel, in VIAF, August 6, 2018 |**b** (בריטניה = Briṭanyah)

670 __ |**a** Web NDL authorities, August 6, 2018 |**b** (イギリス = Igirisu) |**u** https://id.ndl.go.jp/auth/ndlna/00871900

670 __ |**a** Pravāsī Hindī sāhitya aura Briṭena, 2022: |**b** t.p. (Briṭena)

678 __ |**a** In 1536 Wales was united with England to form England and Wales. In 1707 Scotland was united with England and Wales to form Great Britain.

781 _0 |**z** Great Britain

952 __ |**a** RETRO

952 __ |**a** *bg04 065 158 05-24-90

953 __ |**a** xx00 |**b** rf08

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LC control no.: sh 86002267
LCCN Permalink: https://lccn.loc.gov/sh86002267
HEADING: Pictorial works

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035 __ |**a** (DLC)sh 86002267
035 __ |**a** (DLC)146981
040 __ |**a** DLC |**c** DLC |**d** DLC
150 __ |**a** Pictorial works
260 __ |**i** subdivision |**a** Pictorial works |**i** under names of countries, cities, etc., individual persons, families, and corporate bodies, and under classes of persons, ethnic groups, individual literary works entered under author, individual wars, and topical headings
906 __ |**t** 9710 |**u** te04 |**v** 1
953 __ |**a** fj25 |**b** ta25

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URL: http://authorities.loc.gov/
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URL: https://catalog.loc.gov/

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Bibliographic Record - OCLC Number: 940128382

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	Bibliographic Level	'm' - Monograph/Item
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008	Date Entered on File	'901009'
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	Date2/Ending Date of Publication	' '
	Place of Publication, Production, or Execution Code	'enk' - England
	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	' '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
	Biography	' ' - No biographical material
	Language Code	'eng' - English
	Modified Record	' ' - Record is not modified
	Cataloging Source Code	'd' - Other

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020 9780947773137
043 e-uk---
082 0 4 625.24 **$q** OCoLC **$2** 20/eng/20230216
100 1 Marshall, Andrew.
245 1 0 Private owner wagons. **$n** Vol 1, **$p** Tops types PAA-PHA & PJA-PXX / **$c** Andrew Marshall.
260 Shipley [West Yorkshire] : **$b** Metro enterprises, **$c** ©1989.
300 96 pages : **$b** illustrations
336 text **$b** txt **$2** rdacontent
337 unmediated **$b** n **$2** rdamedia
338 volume **$b** nc **$2** rdacarrier
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650 7 Railroads. **$2** fast **$0** (OCoLC)fst01088711
651 7 Great Britain. **$2** fast **$0** (OCoLC)fst01204623 **$1** https://id.oclc.org/worldcat/entity/E39PBJdmp7p3cx8hpmJ8HvmTpP

740 0 Tops types PAA-PHA & PJA-PXX.
936 BATCHLOAD

Attachment 14B

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040 __ |**a** DLC |**c** DLC
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953 __ |**a** xx00

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Washington, DC 20540

Library of Congress Authorities
URL: http://authorities.loc.gov/
Library of Congress Online Catalog
URL: https://catalog.loc.gov/

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Bibliographic Record - OCLC Number: 51622424

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	Encoding Level	' ' - Full level
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008	Date Entered on File	'030217'
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	Date2/Ending Date of Publication	' '
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	Illustrations	'a '
	Target Audience	' ' - Unknown or unspecified
	Form of Item	' ' - None of the following
	Nature of Contents Code	' '
	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'0' - No index
	Literary Form	'0' - Not fiction
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020 9780953844821

043 e-uk---

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100 1 Larkin, David, **$d** 1946- **$1** https://id.oclc.org/worldcat/entity/E39PCjDqKkDTXdg7ymtGHvMybd

245 1 0 Working wagons : **$b** a pictorial review of freight stock on the B.R. system. Vol. 3, 1980 to 1984 / **$c** David Larkin.

260 Hull : **$b** Santona Publications, **$c** 2001.

300 96 pages : **$b** illustrations ; **$c** 27 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

650 0 Railroads **$z** Great Britain **$x** History **$v** Pictorial works.

650 7 Railroads **$2** fast

FreightCar America, Ex. 1022
IPR Petition - USP 8,132,515

651 7 Great Britain **$2** fast **$1** https://id.oclc.org/worldcat/entity/E39PBJdmp7p3cx8hpmJ8HvmTpP

655 7 History **$2** fast

655 7 Illustrated works **$2** fast

758 **$i** has work: **$a** Working wagons (Text) **$1** https://id.oclc.org/worldcat/entity/E39PCFtqFWP7vtJdjX9kMpBQMP **$4** https://id.oclc.org/worldcat/ontology/hasWork

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	Encoding Level	' ' - Full level
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	Festschrift	'0' - Not a festschrift
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100 1 Ratcliffe, David, **$d** 1955- **$1** https://id.oclc.org/worldcat/entity/E39PCjx4YggfX7J7pXTQwykr9C

245 1 0 Private-owner wagons in colour for the modeller and historian / **$c** David Ratcliffe.

260 Hersham : **$b** Ian Allan, **$c** 2009.

300 96 pages : **$b** color illustrations ; **$c** 29 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia
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650 0 Private railroad cars **$z** Great Britain **$x** History **$v** Pictorial works.
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650 6 Voitures particulières (Wagons) **$z** Grande-Bretagne **$x** Histoire **$v** Ouvrages illustrés.
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650 7 Railroad cars **$2** fast
651 7 Great Britain **$2** fast **$1** https://id.oclc.org/worldcat/entity/E39PBJdmp7p3cx8hpmJ8HvmTpP
655 7 History **$2** fast
655 7 Illustrated works **$2** fast
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Bibliographic Record - OCLC Number: 220585567

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245 0 0 Railway and urban transportation.
260 Surry Hills, N.S.W. : **$b** Shennen Publishing and Publicity, **$c** 1974-1974.
300 1 v. ; **$c** 28 cm.
336 text **$b** txt **$2** rdacontent
337 unmediated **$b** n **$2** rdamedia
338 volume **$b** nc **$2** rdacarrier
362 0 Vol. 23, no. 1 (Feb. 1974)-v. 23, no. 11 (Dec. 1974).
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360 __ |**i** subdivision |**a** Periodicals |**i** under specific subjects, e.g. |**a** Engineering--Periodicals; United States--History--Periodicals
450 __ |**a** Journals (Periodicals)
450 __ |**a** Magazines
550 __ |**w** g |**a** Library materials
550 __ |**w** g |**a** Mass media
550 __ |**w** g |**a** Serial publications
550 __ |**a** Newspapers
550 __ |**a** Press
670 __ |**a** UMI business vocab. |**b** (Journals)
680 __ |**i** Here are entered works on the periodicals of the world and, with appropriate subdivisions, works on special aspects or sections of periodicals. Works on periodicals in a specific language, or in a specific country or larger area, are entered under the adjectival form of the language or area, e.g. |**a** Arabic periodicals; Canadian periodicals.
906 __ |**t** 0420 |**u** te03 |**v** 0
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082 0 4 625.240941 **$2** 22

100 1 Buck, Martin.

245 1 0 Wagon recognition / **$c** Martin Buck & Mark Rawlinson.

260 Swindon : **$b** Freightmaster, **$c** 2008-

300 volumes : **$b** color illustrations ; **$c** 25 cm

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia
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650 6 Wagons de marchandises **$z** Grande-Bretagne **$v** Ouvrages illustrés.
650 7 Freight cars **$2** fast
651 7 Great Britain **$2** fast **$1** https://id.oclc.org/worldcat/entity/E39PBJdmp7p3cx8hpmJ8HvmTpP
655 7 Field guides **$2** fast
655 7 Illustrated works **$2** fast
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053 _0 |**a** RA1055 |**c** Medical jurisprudence
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360 __ |**i** subdivision |**a** Identification |**i** under classes of persons and subjects, e.g. |**a** Adoptees--Identification; Firearms--Identification; Legal documents--Identification; |**i** and under plants, animals, and types of objects as a topical subdivision or as a form subdivision for works that present the characteristics of a group for the purpose of determining the names of its members, e.g. |**a** Amphibians--Identification
450 __ |**a** Forensic identification
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906 __ |**t** 0642 |**u** te04 |**v** 0
953 __ |**a** xx00 |**b** ta27

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001	18325987	
005	20241020134118.2	
008	Date Entered on File	'891011'
	Type of Date/Publication Status	's' - Single date
	Date1/Beginning Date of Publication	'1989'
	Date2/Ending Date of Publication	' '
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	Illustrations	'a '
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	Government Publication	' ' - Not a government publication
	Conference Publication	'0' - Not a conference publication
	Festschrift	'0' - Not a festschrift
	Index	'1' - Index present
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020 1852600624 **$q** (pbk.)

020 9781852600624 **$q** (pbk.)

082 0 4 625.2/4/0941 **$2** 19

100 1 Ratcliffe, David.

245 1 0 Modern private owner wagons on British Rail.

260 **$b** Stephens, **$c** 1989.

300 [144] pages

336 text **$b** txt **$2** rdacontent

337 unmediated **$b** n **$2** rdamedia

338 volume **$b** nc **$2** rdacarrier

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610 2 7 British Rail (Firm) **$2** fast **$1** https://id.oclc.org/worldcat/entity/E39QQPVp7X3f4XvK4GxgqBcQ3F

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510 2_ |**w** r |**i** Predecessor: |**a** British Railways
670 __ |**a** Morrison, G. Diesels on the regions, c1984: |**b** p. 3 (British Rail)
670 __ |**a** Rhodes, M. Freight only, c1987- : |**b** v. 1, t.p. (BR) verso of t.p. (British Rail)
670 __ |**a** BLAISE, 7-86 |**b** (British Rail; earlier name=British Railways)
670 __ |**a** British Rail, the first 25 yrs., c1981: |**b** pref. (British Railways; British Rail) p.135 (abbreviated form "British Rail" standardised, 1965)
670 __ |**a** British Railways, 1948-73, 1986: |**b** page 343 (new name style, 'British Rail', adopted in 1964)
670 __ |**a** British Railways Board, Annual report and accounts, 1964 (uses British Railways)
670 __ |**a** British Railways Board, Annual report and accounts, 1965 (uses British Rail; BR)
670 __ |**a** Map and condensed timetable of the passenger railways of Britain, 1994: |**b** panel (BritRail)
952 __ |**a** *ea17 050 067 01-29-90
953 __ |**a** ea04 |**b** ea17

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