UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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FREEWHEEL MEDIA, INC.,
Petitioner,

v.

ALMONDNET, INC.,
Patent Owner.

Patent No. 8,775,249

*Inter Partes* Review Nos.
IPR2024-00416, IPR2024-00417, IPR 2024-00418

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**DECLARATION OF SYLVIA HALL-ELLIS, PH.D.**



FreeWheel, Ex. 1052

## I. INTRODUCTION

1. My name is Sylvia D. Hall-Ellis. I have been retained as an expert on behalf of FreeWheel Media, Inc. ("FreeWheel," Petitioner").

2. I have written this report on behalf of Petitioner 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 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 of $350 per hour, 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 litigation. 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 declaration.

## 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 Science from the University of Pittsburgh in 1985. Over the last 50-plus 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 have served as the Chair for the ALA Office of Diversity's Committee on Diversity, as a member of the REFORMA National Board of Directors, as a member of the Editorial Board for the ALCTS premier cataloging journal, *Library Resources and Technical Services,* as a Co-Chair of the Library Research Round Table (LRRT) for the American Library Association, and as a member of the LRRT Nominating 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 Appendix A.

## III. PRELIMINARIES

10. *Scope of this declaration.* 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 documents referenced herein and on when and how each of these documents 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 documents before on or around the listed dates of their respective publications below.

11. I am informed by counsel 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 ordinary diligence.

12. 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 is rendered

"publicly accessible" if it is cataloged and indexed by a library such that a person interested in the relevant subject matter could locate it (*i.e.*, I understand that cataloging and indexing by a library is sufficient, though there are other ways that a printed publication may qualify as publicly accessible). One manner of sufficient indexing is indexing according to subject matter category. I understand that the cataloging and indexing by a single library of a single instance of a particular printed publication is sufficient, even if the single library is in a foreign country. I understand that, even if access to a library is restricted, a printed publication that has been cataloged and indexed therein is 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, is sufficient to render the printed publication publicly accessible.

13. 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.

14. *Persons of ordinary skill in the art*. I am told by counsel that the subject matter of this proceeding generally relates to a mercantile method using

profile information, e.g., for targeted advertising, in a data communications topology.

15. I have been informed by counsel that a person of ordinary skill in the art ("POSITA")at the time of the alleged invention is a hypothetical person who is presumed to be familiar with the relevant field and its literature at the time of the alleged invention of the patent (which in this case is assumed to be December 13, 1999). This hypothetical person is also a person of ordinary creativity, capable of understanding the scientific principles applicable to the pertinent field.

16. I am told by counsel that persons of ordinary skill in this subject matter or art would have had a Bachelor's degree in computer engineering, computer science, or a similar discipline, and two years of experience with data communications over the Internet (including Internet advertising) and database management.

17. It is my opinion that such a person would have been engaged in research and familiar with accessing print resources like those discussed in this declaration. Indeed, over the course of my career including the years leading up to 1999, I have assisted many similar engineers in acquiring such resources.

## IV. LIBRARY CATALOGING PRACTICES

### A. MARC RECORDS AND THE ONLINE LIBRARY CATALOG

18. 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.[1] 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.

19. 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. Bibliographic data provide points of access and can be searched by a person of ordinary skill in the art at the time of the invention ("POSITA," see paragraphs 14-17 above) 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.

20. 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.

[1] The full text of the standard is available from the Library of Congress at http://www.loc.gov/marc/bibliographic/ (last visited November 21, 2023).

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.

21. 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.[2] As explained by the Library of Congress:

> 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

[2] 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 (https://babel.hathitrust.org/cgi/pt?id=mdp.39015034388556;view=1up;seq=1; last visited November 21, 2023).

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.[3]

22. Thus, almost every major library in the world is MARC-compatible. *See, e.g.*, *MARC Frequently Asked Questions (FAQ)*, LIBRARY OF CONGRESS.[4] ("MARC is the acronym for MAchine-Readable Cataloging. It defines a data format that emerged from a Library of Congress-led initiative that began fifty 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 standard

[3] http://www.loc.gov/marc/umb/um01to06.html#part2

[4] https://www.loc.gov/marc/faq.html

(reaffirmed in 2016) for Information Interchange Format. The full text of the standard is available from the Library of Congress.[5]

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

**B. MARC RECORDS**

24. 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 of the work is transcribed in Field 100; an item's International Standard Book Number ("ISBN") consisting of ten or thirteen digits is transcribed in Field 020; an item's International Standard Serial Number ("ISSN") is transcribed in Field 022; the Library of Congress classification notation is recorded in Field 050; and the publication date is recorded

[5] http://www.loc.gov/marc/bibliographic/

in Field 260 under the subfield "c." If a work is a periodical, then its publication frequency is recorded in Field 310, 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.[6]

25. 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 Declaration. 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]

26. 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.[8] For example, 6XX fields are termed "Subject Access Fields."[9] Among these, for example, is the 650 field; this is the "Subject

[6] http://www.loc.gov/marc/bibliographic/bd3xx.html

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

[8] http://www.loc.gov/marc/bibliographic/

[9] http://www.loc.gov/marc/bibliographic/bd6xx.html

Added Entry – Topical Term" field.[10] The 650 field is a "[s]ubject added entry in which the entry element is a topical term." These 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.* Further, MARC records include call numbers, which themselves include a classification number. For example, the 050 field is the "Library of Congress Call Number."[11] A defined portion of the Library of Congress Call (LCC) Number is the classification number, and "source of the classification number is *Library of Congress Classification* and the *LC Classification-Additions and Changes*." Thus, included in the 050 field is a subject matter classification. Further, the 082 field is the "Dewey Decimal Call Number."[12] A defined portion of the Dewey Decimal Call (DDC) Number is the classification number, and "source of the classification number is the *Dewey Decimal Classification and Relative Index*." Thus, included in the 082 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

[10] http://www.loc.gov/marc/bibliographic/bd650.html

[11] http://www.loc.gov/marc/bibliographic/bd050.html

[12] http://www.loc.gov/marc/bibliographic/bd082.html

Decimal classification scheme) and uses it consistently. When the Library of Congress assigns the LCC classification number, it appears as part of the 050 field. When the Library of Congress assigns the DDC classification number, it appears as part of the 082 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.

### C. OCLC

27. 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."[13] Among other services, OCLC and its members are responsible for maintaining the WorldCat database (http://www.worldcat.org/), used by independent and institutional libraries

[13] 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).

throughout the world.

28. 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 are 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 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.

29. 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, or shortly after 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, but when a MARC record is printed to hardcopy, no "005" label appears. The initial Field 005 date (*i.e.*, the date the MARC record was created) does appear, however, next to the label "Entered."[14] The date upon which the most recent update to Field 005 occurred also appears, next to the label "Replaced." Thus, when an item's MARC record has been printed to hardcopy—as is the case with the MARC attachments to this Declaration—the date reflected next to the label "Entered" is necessarily on or after the date the library first cataloged and indexed the underlying item.

30. Once one library has cataloged and indexed a publication by creating

[14] Field 005 is visible when viewing a MARC record via an appropriate computerized interface. But when a MARC record is printed directly to hardcopy from the OCLC database, the "005" label is not shown. The date in the 005 field instead appears next to the label "Replaced."

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. Further, it 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).

31. Catalogers can create MARC records for all types of print, online, and digital resources. 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 and magazine subscriptions to libraries come from a jobber or wholesaler for online and print resources. These resellers make it their business to provide items 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 and journals directly from publishers themselves, which provide delivery on a similarly expedited schedule. In general, libraries make these purchases throughout the year and shelve the newly received items as soon thereafter as possible to make them available to their patrons.

32. In preparing this report, I used authoritative databases, such as the OCLC bibliographic database and the Library of Congress Online Catalog, to confirm citation details of the various publications discussed.

33. *Indexing*. 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 a 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.

34. 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.

35. 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 by researchers no

later than the publication date of the citing document.

36. 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.

37. Librarians consulted with information seekers to verify citations, check availability in union catalogs, printed books catalogs, 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.

38. 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.

39. Online indexing services such as *Google Scholar*[15] or *ScienceDirect*[16] 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.

40. A citation of a document by another is evidence that the document was publicly available and in use no later than the publication date of the citing document.

## V. DOCUMENT 1: EXHIBIT 1156 ("ZEFF")

41. Attached hereto as Exhibit 1156 are excerpts from a book titled *Advertising on the Internet* by Robbin Lee Zeff and Brad Aronson (hereafter "Zeff") and issued by Wiley with a 1997 copyright date. Exhibit 1156 was

[15] https://scholar.google.com/

[16] https://www.sciencedirect.com/

provided to me by counsel. Exhibit 1156 is a true and correct copy of the title page, copyright page, Chapter 1, "The State of Online Advertising" (pp. 1-6); Chapter 2, "Setting the Stage" (pp. 7-27); and, Chapter 5, "Learning about Your Customers and Delivering Targeted Ads" (pp. 89-110), which I confirmed by comparing with a copy of the same book that I obtained from the Penrose Library at the University of Denver (Denver, Colorado). The text in Exhibit 1156 is complete; no pages are missing, and the text on each page appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1156 is a true and correct copy in a condition that creates no suspicion about its authenticity.

42. Attached hereto as Attachment 1A is a true and correct copy of the MARC record for this monograph from the Penrose Library at the University of Denver online catalog. Library ownership is indicated by the presence of the library's code ("DVP") in the 049 field. The Zeff book was received and cataloged on August 25, 1997, as shown in field 998 ("08-25-97"). The library continues to update this MARC record to meet current cataloging rules. The most recent enhancement to the MARC record occurred on September 3, 2022, as shown in the 005 field ("20220903"). I personally identified and retrieved the library catalog record which is Attachment 1A.

43. The International Standard Book Number (ISBN) on Exhibit 1156 (0-

471-18330-X) matches the ISBN in field 020 of Attachment 1A. Therefore, Exhibit 1156 is the same book as the one that the cataloger at the Library of Congress used to create a MARC record (Attachment 1B) as part of the Cataloging in Publication (CIP) Program.[17] A cataloger prepares basic information about the forthcoming book which is included on the verso of the title page (also called the copyright page). The information is provided to save time needed for the cataloging process at the library after the book is purchased. The CIP data includes the author (field 100), title and subtitle (field 245), ISBN (field 022), suggested subject headings (field 650), classification numbers for the Library of Congress classification number (field 050), and the Dewey Decimal classification number (field 082). These data elements are included in the MARC record that the Library of Congress contributes to the OCLC bibliographic database. As can be seen in the "Entered" field in the MARC record for this exhibit, a cataloger at the Library of Congress created OCLC record number 367133162 on March 31, 1997, as shown in the 008 field ("970331"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 1B occurred on February 19, 1999, as shown in the 005 field ("19990219"). I personally identified and retrieved the MARC record that is Attachment 1B.

[17] https://www.loc.gov/publish/cip/

44. Field 955 indicates that the Zeff book arrived in the Library of Congress by October 2, 1997 ("10-02-97"). Therefore, the book titled *Advertising on the Internet* (Exhibit 1156) was present and cataloged in the Library of Congress as of October 2, 1997. It would have been able to be located by a person of ordinary skill in the art using the library catalog system and, thus, was publicly accessible as of this date.

45. Attached hereto as Attachment 1C is a true and correct copy of the MARC record for the Zeff book titled *Advertising on the Internet* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 1C. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 1C, 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 the "Entered" field in the MARC record for this exhibit, a cataloger at the Library of Congress created OCLC record number 367133162 on March 31, 1997 (see ¶ 43 above) as shown in the "Entered" field ("19970331"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 1C occurred on May 14, 2022, as shown in the "Replaced" field ("20220514"). I personally identified and retrieved the MARC record that is Attachment 1C.

46. Attachment 1C further includes an entry in field 050 ("HF6146.I58 $b Z43 1997")—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 ("658.8/00285/4678"), a subject matter consistent with the Dewey Decimal classification system. Attachment 1C further includes four descriptor terms reading "Internet advertising" (see Attachment 1D, Library of Congress subject heading sh94006992), "Internet advertising $x Directories" (see Attachment 1D, Library of Congress subject heading sh94006992 and Attachment 1E, Library of Congress subject heading sh85038267), "Internet advertising $x Computer network resources" (see Attachment 1D, Library of Congress subject heading sh94006992 and Attachment 1F, Library of Congress subject heading sh95000713), and "Internet advertising $x Rates" (see Attachment 1D, Library of Congress subject heading sh94006992 and Attachment 1G, Library of Congress subject heading sh87005259) in the 650 fields. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 1C was indexed according to its subject matter by virtue of at least three independently sufficient classifications: the field 050 entry, the field 082 entry, and the field 650 entries. Further, as of March 31, 1997, the MARC record attached hereto as Attachment 1C 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. Further supporting my opinion that Exhibit 1156 was publicly accessible to ordinarily skilled and interested researchers in the field is the fact that the book titled *Advertising on the Internet* was registered with the U. S. Copyright Office as item TX0004532753 on September 4, 1997, and indicated a publication date of June 24, 1997 (see Attachment 1H, U. S. Copyright Office Public Catalog). As noted above, this would have provided a POSITA with keyword searching capabilities and other tools to locate this book.

48. Attachment 1C indicates that the Zeff book cataloged at the Library of Congress is currently available from 240 libraries. In view of above, the Zeff book titled *Advertising on the Internet* was publicly available at least by October 2, 1997, 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 Penrose Library at the University of Denver. For these reasons, it is my opinion that Exhibit 1156 is a true and correct copy of the Zeff book that was published and accessible to the public at least by October 2, 1997.

## VI. DOCUMENT 2: EXHIBIT 1157 ("STERNE")

49. Attached hereto as Exhibit 1157 are excerpts from a book titled *What Makes People Click: Advertising on the Web* by Jim Sterne (hereafter "Sterne") and issued by Que with a 1997 copyright date. Exhibit 1157 was provided to me by counsel. Exhibit 1157 is a true and correct copy of the title page, copyright page, Chapter 1, "Advertising Comes to the Internet" (pp. 13-41); Chapter 5, "Measure for Measure" (pp. 145-192); Chapter 6, "Looking for Space in All the Right Places" (pp. 193-256); and, Chapter 11, "A Few Words About the Law" (pp. 375-404), which I confirmed by comparing with a copy of the same book that I obtained from the Morgan Library at Colorado State University (Fort Collins, Colorado). The text in Exhibit 1157 is complete; no pages are missing, and the text on each page appears to flow seamlessly from one page to the next; further, there are no visible alterations to the document. Exhibit 1157 is a true and correct copy in a condition that creates no suspicion about its authenticity.

50. Attached hereto as Attachment 2A is a true and correct copy of the MARC record for this monograph from the Morgan Library at Colorado State University online catalog. Library ownership is indicated by the presence of the library's code ("COF") in the 049 field. The Sterne book was received and cataloged on April 29, 1998, as shown in field 998 ("04-29-98"). The library continues to update this MARC record to meet current cataloging rules. The most

recent enhancement to the MARC record occurred on May 21, 2018, as shown in the 005 field ("20180521"). I personally identified and retrieved the library catalog record which is Attachment 2A.

51. The International Standard Book Number (ISBN) on Exhibit 1157 (0-7897-1235-0) matches the ISBN in field 020 of Attachment 2A. Therefore, Exhibit 1157 is the same book as the one that the cataloger at the Library of Congress used to create a MARC record (Attachment 2B). As can be seen in the "Entered" field in the MARC record for this exhibit, a cataloger at the Library of Congress created OCLC record number 37650959 on November 10, 1997, as shown in the 008 field ("971110"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 2B occurred on October 28, 1999, as shown in the 005 field ("19991028"). I personally identified and retrieved the MARC record that is Attachment 2B.

52. Field 955 indicates that the Sterne book arrived in the Library of Congress by December 17, 1997 ("12-17-97"). Further, the book titled *What Makes People Click: Advertising on the Web* (Exhibit 1157) was present and cataloged in the Library of Congress as of April 15, 1998 ("04-15-98"). It would have been able to be located by a person of ordinary skill in the art using the library catalog system and, thus, was publicly accessible as of this date.

53. Attached hereto as Attachment 2C is a true and correct copy of the MARC record for the Sterne book titled *What Makes People Click: Advertising on the Web* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 2C. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 2C, 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 the "Entered" field in the MARC record for this exhibit, a cataloger at the Library of Congress created OCLC record number 37650959 on November 10, 1997, as shown in the "Entered" field ("19971110"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 2C occurred on September 30, 2023, as shown in the "Replaced" field ("20230930"). I personally identified and retrieved the MARC record that is Attachment 2C.

54. Attachment 2C further includes an entry in field 050 ("HF6146.I58 $b S74 1997")—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 ("658.84"), a subject matter consistent with the Dewey Decimal classification system. Attachment 2C further includes three descriptor terms reading "Internet

advertising" (see Attachment 1D, Library of Congress subject heading sh94006992), "Internet marketing" (see Attachment 2D, Library of Congress subject heading sh95005028), and "World Wide Web" (see Attachment 2E, Library of Congress subject heading sh95000541) in the 650 fields. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 2C was indexed according to its subject matter by virtue of at least three independently sufficient classifications: the field 050 entry, the field 082 entry, and the field 650 entries. Further, as of November 10, 1997, the MARC record attached hereto as Attachment 2C 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. Further supporting my opinion that Exhibit 1157 was publicly accessible to ordinarily skilled and interested researchers in the field is the fact that the book titled *What Makes People Click: Advertising on the Web* was registered with the U. S. Copyright Office as item TX0004668997 on November 17, 1997, and indicated a publication date of August 22, 1997 (see Attachment 2F, U.S. Copyright Office Public Catalog). As noted above, this would have provided a POSITA with keyword searching capabilities and other tools to locate this book.

56. Attachment 2C indicates that the Sterne book cataloged at the Library of Congress is currently available from 203 libraries. In view of above, the Sterne book titled *What Makes People Click: Advertising on the Web* was publicly available at least by April 29, 1998, 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 Morgan Library at Colorado State University. For these reasons, it is my opinion that Exhibit 1157 is a true and correct copy of the Sterne book that was published and accessible to the public at least by April 29, 1998.

## VII. DOCUMENT 3: EXHIBIT 1X34 ("HAGEL")

57. Attached hereto as Exhibit 1X34[18] is a book titled *Net Worth: Shaping Markets When Customers Make the Rules* by John Hagel and Marc Singer (hereafter "Hagel") and issued by Harvard Business School Press with a 1999 copyright date. Exhibit 1X34 was provided to me by counsel. Exhibit 1X34 is a true and correct copy of the book, which I confirmed by comparing with a copy of the same book that I obtained from the Regis University Library (Denver, Colorado). The text in Exhibit 1X34 is complete; no pages are missing, and the text on each page appears to flow seamlessly from one page to the next; further,

[18] I have been informed by counsel that this exhibit is being cited in multiple IPR petitions using similar exhibit numbers: it is Ex. 1034 in the first petition, Ex. 1134 in the second petition, and Ex. 1234 in the third petition. For simplicity, I will refer to all three exhibits as Ex. 1X34.

there are no visible alterations to the document. Exhibit 1X34 is a true and correct copy in a condition that creates no suspicion about its authenticity.

58. Attached hereto as Attachment 3A is a true and correct copy of the MARC record for this monograph from the Regis University Library online catalog. Library ownership is indicated by the presence of the library's code ("COR") in the 049 field. The Hagel book was received and cataloged on September 14, 1999, as shown in field 998 ("09-14-99"). I personally identified and retrieved the library catalog record which is Attachment 3A.

59. The International Standard Book Number (ISBN) on Exhibit 1X34 (0-87584-889-3) matches the ISBN in field 020 of Attachment 3A. Therefore, Exhibit 1X34 is the same book as the one that the cataloger at the Library of Congress used to create a MARC record (Attachment 3B) as part of the Cataloging in Publication (CIP) Program.[19] A cataloger prepares basic information about the forthcoming book which is included on the verso of the title page (also called the copyright page). The information is provided to save time needed for the cataloging process at the library after the book is purchased. The CIP data includes the author (field 100), title and subtitle (field 245), ISBN (field 022), suggested subject headings (field 650), classification numbers for the Library of Congress classification number (field 050), and the Dewey Decimal classification number

[19] https://www.loc.gov/publish/cip/

(field 082). These data elements are included in the MARC record that the Library of Congress contributes to the OCLC bibliographic database.

60. Field 955 indicates that the Hagel book arrived in the Library of Congress by January 25, 1999 ("01-25-99"). Therefore, the book titled *Net Worth: Shaping Markets When Customers Make the Rules* (Exhibit 1X34) was present and cataloged in the Library of Congress as of January 25, 1999. It would have been able to be located by a person of ordinary skill in the art using the library catalog system and, thus, was publicly accessible as of this date.

61. Attached hereto as Attachment 3C is a true and correct copy of the MARC record for the Hagel book titled *Net Worth: Shaping Markets When Customers Make the Rules* obtained from the OCLC bibliographic database. I personally identified and retrieved the MARC record that is Attachment 3C. As previously noted, the library that created the record is recorded in field 040 with a unique library code. For Attachment 3C, that library code is "DLC," which means that the MARC record for this book was created at the Library of Congress.

62. As can be seen in the "Entered" field in the MARC record for this exhibit, a cataloger at the Library of Congress created OCLC record number 40193540 on September 24, 1998, as shown in the "Entered" field ("19980924"). The library continues to update and enhance this MARC record to meet current cataloging rules. The most recent enhancement to Attachment 3C occurred on

March 28, 2022, as shown in the "Replaced" field ("2022328"). The library continues to update and enhance this MARC record to meet current cataloging rules. I personally identified and retrieved the MARC record that is Attachment 3C.

63. Attachment 3C further includes an entry in field 050 ("HF5415.124 $b .H33 1999")—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 ("658.8/00285/478"), a subject matter consistent with the Dewey Decimal classification system. Attachment 3C further includes four descriptor terms reading "Infomediaries" (see Attachment 3D, Library of Congress subject heading sh98006748), "Consumers $x Information services" (see Attachment 3E, Library of Congress subject heading sh98006962), "Privacy, Right of" (see Attachment 3F, Library of Congress subject heading sh85107029), and "Online information services" (see Attachment 3G, Library of Congress subject heading sh95004892) in the 650 fields. Thus, as of its cataloging, the publication corresponding to the MARC record attached hereto as Attachment 3C was indexed according to its subject matter by virtue of at least three independently sufficient classifications: the field 050 entry, the field 082 entry, and the field 650 entries. Further, as of September 24, 1998, the MARC record attached hereto as Attachment 3C 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.

64. Further supporting my opinion that Exhibit 1X34 was publicly accessible to ordinarily skilled and interested researchers in the field is the fact that the book titled *Net Worth: Shaping Markets When Customers Make the Rules* was registered with the U. S. Copyright Office as item TX0004956371 on March 25, 1999, and indicated a publication date of March 15, 1999 (see Attachment 3H, U. S. Copyright Office Public Catalog). As noted above, this would have provided a POSITA with keyword searching capabilities and other tools to locate this book.

65. Attachment 3C indicates that the Hagel book cataloged at the Library of Congress is currently available from 689 libraries. In view of above, the Hagel book titled *Net Worth: Shaping Markets When Customers Make the Rules* was publicly available at least by September 14, 1999, 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 Regis University Library. For these reasons, it is my opinion that Exhibit 1X34 is a true and correct copy of the Hagel book that was published and accessible to the public at least by September 14,

1999.

## VIII. SUMMARY OF OPINIONS

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

| Exhibit | Publication | Publicly Available |
|---|---|---|
| 1156 | Zeff, Robbin, and Brad Aronson. Advertising on the Internet. New York: Wiley, c1997. | at least by August 25, 1997 |
| 1157 | Sterne, Jim. What Makes People Click: Advertising on the Web. Indianapolis, IN: Que Corporation, c1997. | at least by April 29, 1998 |
| 1X34 | Hagel, John, and Marc Singer. *Net Worth: Shaping Markets When Customers Make the Rules.* Boston, MA: Harvard Business School Press, c1999. | at least by September 14, 1999 |

67. In signing this Declaration, I recognize that the Declaration 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.

68. 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 1001 of Title 18 of the United States Code.

DATED: January 30, 2024 By: Sylvia D. Hall-Ellis

Sylvia D. Hall-Ellis, Ph.D.

# Attachment 1A

```
leader 01190nam a2200337 a 4500
001    991026755399702766
005    20220903123058.0
008    970331s1997    nyua          001 0 eng
010    ##$a97013142
020    ##$a047118330X (pbk. : alk. paper)
035    ##$a(CoDU)b19607969-01uode_inst
035    ##$a(CoDU)dvp99108471  $9ExL
035    ##$afbl00941769
035    ##$a(OCoLC)36713162
049    ##$aDVPR
090    ##$aHF6146.I58 Z43 1997
100    1#$aZeff, Robbin Lee.
245    10$aAdvertising on the Internet / $cRobbin Zeff, Brad
Aronson.
260    ##$aNew York : $bWiley, $cc1997.
300    ##$axii, 301 p. : $bill. ; $c24 cm.
500    ##$a"Wiley Computer Publishing."
500    ##$aIncludes index.
650    #0$aInternet advertising $xComputer network resources.
650    #0$aInternet advertising $vDirectories.
650    #0$aInternet advertising $xRates.
650    #0$aInternet advertising.
700    1#$aAronson, Bradley, $d1971-
907    ##$a.b19607969 $b01-07-15 $c10-24-97
919    ##$aMARCIVE $dSpring 2011
925    ##$aHF6146.I58 $bZ43 1997 $g1 $h10 $iU186008133603 $j0 $k0
$lhcstk $o- $p$0.00 $r- $s- $t0 $u0 $v0 $w0 $x0 $y.i20502850 $z10-
24-97
998    ##$ahc $b08-25-97 $cm $da $e- $feng $gnyu $h0 $i1
```

# Attachment 1B

LIBRARY | CATALOG

Search Navigation 2 of 6

BOOK

# Advertising on the Internet

Full Record **MARC Tags**

| | | |
|---|---|---|
| 000 | | 01156cam a2200313 a 4500 |
| 001 | | 4961706 |
| 005 | | 19990219140328.6 |
| 008 | | 970331s1997 nyua r 001 0 eng |
| 035 | __ | \|**9** (DLC) 97013142 |
| 906 | __ | \|**a** 7 \|**b** cbc \|**c** orignew \|**d** 1 \|**e** ocip \|**f** 19 \|**g** y-gencatlg |
| 955 | __ | \|**a** pc20 to ja00 03-31-97; sd08 04-03-97 to B&E; se35 04-04-97; se50 04-07-97;aa05 04-08-97; CIP ver. sd2 10-02-97 |
| 010 | __ | \|**a** 97013142 |
| 020 | __ | \|**a** 047118330X (pbk. : alk. paper) |
| 040 | __ | \|**a** DLC \|**c** DLC \|**d** DLC |
| 050 | 00 | \|**a** HF6146.I58 \|**b** Z43 1997 |
| 082 | 00 | \|**a** 658.8/00285/4678 \|**2** 21 |
| 100 | 1_ | \|**a** Zeff, Robbin Lee. |
| 245 | 10 | \|**a** Advertising on the Internet / \|**c** Robbin Zeff, Brad Aronson. |
| 260 | __ | \|**a** New York : \|**b** Wiley, \|**c** 1997. |
| 300 | __ | \|**a** xii, 301 p. : \|**b** ill. ; \|**c** 24 cm. |
| 500 | __ | \|**a** "Wiley Computer Publishing." |
| 500 | __ | \|**a** Includes index. |
| 650 | _0 | \|**a** Internet advertising. |
| 650 | _0 | \|**a** Internet advertising \|**v** Directories. |
| 650 | _0 | \|**a** Internet advertising \|**x** Computer network resources. |
| 650 | _0 | \|**a** Internet advertising \|**x** Rates. |

| | | |
|---|---|---|
| 700 | 1_ | **\|a** Aronson, Brad. |
| 920 | __ | **\|a** **LC HAS REQ'D # OF SHELF COPIES** |
| 991 | __ | **\|b** c-GenColl **\|h** HF6146.I58 **\|i** Z43 1997 **\|p** 00058211229 **\|t** Copy 1 **\|w** BOOKS |

Request this Item | LC Find It

## Item Availability

CALL NUMBER: HF6146.I58 Z43 1997 FT MEADE
Copy 2

Request in: Jefferson or Adams Building Reading Rooms - STORED OFFSITE

Status: Not Charged

CALL NUMBER: HF6146.I58 Z43 1997 CABIN BRANCH
Copy 1

Request in: Jefferson or Adams Building Reading Rooms - STORED OFFSITE

Status: Not Charged

# Attachment 1C

**OCLC** 367133162 **No holdings in XXX - 240 other holdings**

Books

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Rec Stat** | | **Entered** | 19970331 | **Replaced** | 20220514161403.3 |
| **Type** | a | **ELvl** | | **Srce** | | **Audn** | | **Ctrl** | | **Lang** | eng |
| **BLvl** | m | **Form** | | **Conf** | 0 | **Biog** | | **MRec** | | **Ctry** | nyu |
| | | **Cont** | r | **GPub** | | **LitF** | 0 | **Indx** | 1 | | |
| **Desc** | a | **Ills** | a | **Fest** | 0 | **DtSt** | s | **Dates** | 1997 , | | |

010 97013142
040 DLC $b eng $c DLC $d C#P $d UKM $d BAKER $d BTCTA $d YDXCP $d NLE $d DEBBG $d EXW $d OCLCQ $d OCLCO $d OCLCF $d OCLCQ $d I8M $d OCLCO $d OCLCA $d OCLCQ $d GILDS $d OCLCO $d CPO $d OCLCQ $d OCLCO $d OCLCA $d EUM $d OCLCO $d CBA $d OCLCQ $d OCLCO $d UKMGB $d OCLCO
015 GB9756156 $2 bnb
015 GB97X8612 $2 bnb
016 7 008064622 $2 Uk
019 38424062 $a 40179594 $a 813433846 $a 877235036 $a 1053992416 $a 1055047608 $a 1056827159 $a 1088321758 $a 1089003585 $a 1089994348 $a 1090477105 $a 1096514439 $a 1099332207 $a 1099962087
020 047118330X $q (pbk. ; $q alk. paper)
020 9780471183303 $q (pbk. ; $q alk. paper)
050 00 HF6146.I58 $b Z43 1997
082 00 658.8/00285/4678 $2 21
084 QP 650 $2 rvk
084 QP 680 $2 rvk
084 ST 201 I65 $2 rvk
084 ST 201 $2 rvk
090 $b
100 1 Zeff, Robbin Lee.
245 10 Advertising on the Internet / $c Robbin Zeff, Brad Aronson.
260 New York : $b Wiley, $c 1997.
300 xii, 301 pages : $b illustrations ; $c 24 cm
336 text $b txt $2 rdacontent
337 unmediated $b n $2 rdamedia
338 volume $b nc $2 rdacarrier
500 "Wiley Computer Publishing."
500 Includes index.
505 0 The state of online advertising -- Setting the stage -- Online ad models: banners, buttons, and beyond -- Web measurement -- Learning about your customers and delivering targeted ads -- Pricing online ads -- Identifying and understanding the online audience -- Running an online advertising campaign: buying online ads -- Selling online ads -- The online advertising horizon.
540 Current Copyright Fee: GBP32.00 $c 0. $5 Uk
650 0 Internet advertising.
650 0 Internet advertising $v Directories.
650 0 Internet advertising $x Computer network resources.

650  0 Internet advertising $x Rates.
650  6 Publicité sur Internet. $0 (CaQQLa)201-0275046
650  6 Publicité sur Internet $0 (CaQQLa)201-0275046 $v Répertoires. $0 (CaQQLa)201-0378054
650  6 Publicité sur Internet $0 (CaQQLa)201-0275046 $x Tarifs. $0 (CaQQLa)201-0380447
650  7 Internet advertising. $2 fast $0 (OCoLC)fst00977220
650  7 Internet advertising $x Computer network resources. $2 fast $0 (OCoLC)fst00977221
650  7 Internet advertising $x Rates. $2 fast $0 (OCoLC)fst00977225
610 27 Atarazanas $g Valencia $2 gnd $0 (DE-588)16284686-1
650  7 Online-Werbung $2 gnd $0 (DE-588)7636951-1
650  7 Internet $2 gnd $0 (DE-588)4308416-3
650 07 Internet. $2 swd
655  2 Directory $0 (DNLM)D016435
655  7 directories. $2 aat $0 (CStmoGRI)aatgf300026234
655  7 Directories. $2 fast $0 (OCoLC)fst01423796
655  7 Directories. $2 lcgft
655  7 Répertoires. $2 rvmgf $0 (CaQQLa)RVMGF-000001216
700 1  Aronson, Brad.
776 08 $i Online version: $a Zeff, Robbin Lee. $t Advertising on the Internet. $d New York : Wiley, 1997 $w (OCoLC)645846885

# Attachment 1D

**LC control no.:** sh 94006992
**LCCN Permalink:** https://lccn.loc.gov/sh94006992
**HEADING:** Internet advertising

**000** 00646cz a2200217n 450
**001** 4862626
**005** 20120330081920.0
**008** 940923i| anannbabn |a ana
**010** __ |**a** sh 94006992
**035** __ |**a** (DLC)sh 94006992
**035** __ |**a** (DLC)209311
**040** __ |**a** DLC |**c** DLC |**d** DLC
**053** _0 |**a** HF6146.I58
**150** __ |**a** Internet advertising
**550** __ |**w** g |**a** Advertising
**550** __ |**w** g |**a** Electronic commerce
**670** __ |**a** Work cat.: 94-24226: Canter, L.A. How to make a fortune on the information superhighway, c1995.
**670** __ |**a** BPI |**b** (Internet advertising)
**906** __ |**t** 9635 |**u** te07 |**v** 1
**952** __ |**a** LC pattern: Television advertising
**953** __ |**a** se55 |**b** se35

◀ Previous Next ▶

**Save, Print or Email Records (View Help)**

Select Download Format: Text (Labelled Display) | Press to SAVE or PRINT

Email Text (Labelled Display) to: | Press to SEND EMAIL

URL: https://www.loc.gov/

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

*URL:* https://catalog.loc.gov/

**Questions, comments, error reports:** Contact Us

# Attachment 1E

# LIBRARY OF CONGRESS AUTHORITIES



**LC control no.:** sh 85038267

**LCCN Permalink:** https://lccn.loc.gov/sh85038267

**HEADING:** Directories

**000** 00827cz a2200193n 450

**001** 4690294

**005** 20120323072302.0

**008** 860211|| anannbabn |a ana

**010** __ |**a** sh 85038267

**035** __ |**a** (DLC)sh 85038267

**035** __ |**a** (DLC)36979

**040** __ |**a** DLC |**c** DLC |**d** DLC

**053** _0 |**a** AY2001

**150** __ |**a** Directories

**360** __ |**i** subdivision |**a** Directories |**i** under names of countries, cities, etc., individual corporate bodies and families, and under classes of persons, ethnic groups, Christian denominations, types of organizations, and topical headings for individual directories containing names, addresses, and other identifying data

**550** __ |**w** g |**a** Reference books

**680** __ |**i** Here are entered general works on the history and description of directories and directory-making.

**906** __ |**t** 9739 |**u** te07 |**v** 0

**953** __ |**a** xx00 |**b** lj07

Previous Next

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Select Download Format: Text (Labelled Display) Press to SAVE or PRINT

Email Text (Labelled Display) to:

Press to SEND EMAIL

URL: https://www.loc.gov/

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

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

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# Attachment 1F

The Library of Congress

>> Go to Library of Congress Online Catalog

LIBRARY OF CONGRESS AUTHORITIES

Help | New Search | Search History | Headings List | Start Over

Previous Next

MARC Display | Labelled Display

**LC control no.:** sh 95000713

**LCCN Permalink:** https://lccn.loc.gov/sh95000713

**HEADING:** Computer network resources

**000** 01948cz a2200397n 450

**001** 4865561

**005** 20120330082254.0

**008** 950130i| anannbabn |a ana

**010** __ |**a** sh 95000713

**035** __ |**a** (DLC)sh 95000713

**035** __ |**a** (DLC)5654145

**035** __ |**a** (DLC)sp 95000713

**035** __ |**a** (DLC)291825

**035** __ |**a** (DLC)6594420

**035** __ |**a** (DLC)331711

**035** __ |**a** (DLC)6903453

**035** __ |**a** (DLC)345177

**040** __ |**a** DLC |**c** DLC |**d** DLC |**d** WaU |**d** DLC

**150** __ |**a** Computer network resources

**360** __ |**i** subdivision |**a** Computer network resources |**i** under subjects

**450** __ |**a** Internet resources

**450** __ |**a** Remote access electronic resources

**450** __ |**a** Remote electronic resources

**450** __ |**a** Resources, Computer network

**550** __ |**w** g |**a** Electronic information resources

**550** __ |**a** Uniform Resource Identifiers

**670** __ |**a** Work cat.: 95002183: Rosenfeld, L. Internet compendium subject guides to social sciences, business and law resources, 1995.

**670** __ |**a** Source of title note for Internet resources, 2005, via WWW, July 24, 2005 |**b** (remote access electronic resources)

**670** __ |**a** ISBD(ER) : International Standard Bibliographic Description for Electronic Resources, via WWW, July 24, 2005: |**b** introd. (remote electronic resources on the Internet and World Wide Web)

**670** __ |**a** Cataloging remote electronic resources (monographic & integrating) in Unicorn, via WWW, July 24, 2005

**680** __ |**i** Here are entered works on computer network resources available for research in various fields. Works on using the Internet to conduct research are entered under |**a** Internet research. |**i** Works on using various Internet tools and search engines effectively to find information are entered under |**a** Internet searching.

**681** __ |**i** Notes under |**a** Internet research; Internet searching

**906** __ |**t** 0632 |**u** te04 |**v** 1

**952** __ |**a** LC pattern: Archival resources

**952** __ |**a** 0 bib. records to be changed

**953** __ |**a** se01 |**b** ta21

Previous Next

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Press to SEND EMAIL

Help - Search - Search History - Headings List - Start Over

**Library of Congress**
URL: https://www.loc.gov/

*Mailing Address:*
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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/

**Questions, comments, error reports:** Contact Us

# Attachment 1G

# LIBRARY OF CONGRESS AUTHORITIES



**LC control no.:** sh 87005259

**LCCN Permalink:** https://lccn.loc.gov/sh87005259

**HEADING:** Rates

**000** 00533cz a2200157n 450

**001** 4810444

**005** 20110729124723.0

**008** 870820n| bnannbbbn |n ann

**010** __ |**a** sh 87005259

**035** __ |**a** (DLC)sh 87005259

**035** __ |**a** (DLC)157129

**040** __ |**a** DLC |**c** DLC |**d** DLC

**150** __ |**a** Rates

**260** __ |**i** subdivision |**a** Rates |**i** under types of services, utilities, transportation systems, etc. for prices charged for services provided or items sold according to a specific ratio, scale, or standard

**906** __ |**t** 9236 |**u** te05 |**v** 0

**953** __ |**a** fj26 |**b** yn47

Previous Next

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Select Download Format: Text (Labelled Display) Press to SAVE or PRINT

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*Mailing Address:*
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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/

**Questions, comments, error reports:** Contact Us

# Attachment 1H

Copyright United States Copyright Office

Try the Copyright Public Records System (CPRS) pilot with enhanced search features and filters.

Help | Search | History | Titles | Start Over

# Public Catalog

Copyright Catalog (1978 to present) at DC4
Search Request: Left Anchored Title = advertising on the internet
Search Results: Displaying 2 of 2 entries

previous next

Labeled View

***Advertising on the internet / Robbin Zeff, Brad Aronson.***

**Type of Work:** Text
**Registration Number / Date:** TX0004532753 / 1997-09-04
**Title:** Advertising on the internet / Robbin Zeff, Brad Aronson.
**Imprint:** New York : J. Wiley, c1997.
**Description:** 301 p.
**Copyright Claimant:** John Wiley & Sons, Inc.
**Date of Creation:** 1997
**Date of Publication:** 1997-06-24
**Names:** Aronson, Bradley, 1971-
Zeff, Robbin Lee, 1959-
John Wiley & Sons, Inc.

previous next

| Save, Print and Email (Help Page) | | |
|---|---|---|
| Select Download Format | Full Record | Format for Print/Save |
| Enter your email address: | | Email |

Help Search History Titles Start Over

Contact Us | Request Copies | Get a Search Estimate | Frequently Asked Questions (FAQs) about Copyright | Copyright Office Home Page | Library of Congress Home Page

# Attachment 2A

```
leader 01252aam a2200361 a 4500
001    991003368259703361
005    20180521102351.0
008    971110t19971997inua          001 0 eng d
010    ##$a97068666
020    ##$a0789712350
035    ##$a(OCoLC)ocm37650959
040    ##$aPLeB $beng $cDLC $dPBU $dDPL $dCOF
042    ##$alccopycat
049    ##$aCOFA
050    00$aHF6146.I58 $bS74 1997
100    1#$aSterne, Jim, $d1955- $0(DLC)n  95059703
245    10$aWhat makes people click : $badvertising on the Web /
$cwritten by Jim Sterne.
246    30$aAdvertising on the Web.
264    #1$aIndianapolis, IN : $bQue, $c[1997]
264    #4$c©1997
300    ##$axvii, 433 pages : $billustrations ; $c24 cm
336    ##$atext $btxt $2rdacontent
337    ##$aunmediated $bn $2rdamedia
338    ##$avolume $bnc $2rdacarrier
500    ##$aIncludes index.
650    #0$aInternet advertising. $0(DLC)sh 94006992
650    #7$aInternet advertising. $2fast $0(OCoLC)fst00977220
650    #0$aInternet marketing. $0(DLC)sh 95005028
650    #7$aInternet marketing. $2fast $0(OCoLC)fst00977272
650    #0$aWorld Wide Web. $0(DLC)sh 95000541
650    #7$aWorld Wide Web. $2fast $0(OCoLC)fst01181326
907    ##$a.b21409675 $b08-10-05 $c03-22-98
944    ##$aMARCIVE Authority Processing $b202308
945    ##$g1 $h0 $iU184013108477 $j0 $lms    $on $p$0.00 $s- $t0 $u8
$v15 $w0 $x0 $y.i25788802 $z04-29-98
949    #1$iU184013108477 $lms
998    ##$ams $b04-29-98 $cn $d- $e- $feng $ginu $h0 $i1
998    ##$b1 $c980429 $dn $e- $f- $g0
```

# Attachment 2B

LIBRARY | CATALOG

Search Navigation 9 of 15

BOOK

# What makes people click : advertising on the Web

Full Record **MARC Tags**

| | | |
|---|---|---|
| 000 | | 01157cam a2200337 a 4500 |
| 001 | | 3546345 |
| 005 | | 19991028134818.0 |
| 008 | | 971110s1997 inua 001 0 eng d |
| 035 | __ | **|9** (DLC) 97068666 |
| 906 | __ | **|a** 7 **|b** cbc **|c** copycat **|d** 2 **|e** opcn **|f** 19 **|g** y-gencatlg |
| 955 | __ | **|a** pb17 12-17-97 to cat.; se45 01-28-98; se35 02-03-98; se03 04-15-98 |
| 010 | __ | **|a** 97068666 |
| 020 | __ | **|a** 0789712350 |
| 035 | __ | **|a** (OCoLC)37650959 |
| 040 | __ | **|a** PLeB **|c** PLeB **|d** DLC |
| 042 | __ | **|a** lccopycat |
| 050 | 00 | **|a** HF6146.I58 **|b** S74 1997 |
| 100 | 1_ | **|a** Sterne, Jim, **|d** 1955- |
| 245 | 10 | **|a** What makes people click : **|b** advertising on the Web / **|c** written by Jim Sterne. |
| 246 | 30 | **|a** Advertising on the Web |
| 260 | __ | **|a** Indianapolis, IN : **|b** Que, **|c** c1997. |
| 300 | __ | **|a** xvii, 433 p. : **|b** ill. ; **|c** 24 cm. |
| 500 | __ | **|a** Includes index. |
| 650 | _0 | **|a** Internet advertising. |
| 650 | _0 | **|a** Internet marketing. |
| 650 | _0 | **|a** World Wide Web. |
| 856 | 7_ | **|3** Ventana Online **|2** http |

| | | |
|---|---|---|
| 856 | 7_ | \|**3** Table of contents \|**u** http://lcweb.loc.gov/catdir/toc/97-68666.html \|**2** http |
| 920 | __ | \|**a** ** LC HAS REQ'D # OF SHELF COPIES ** |
| 922 | __ | \|**a** co |
| 991 | __ | \|**b** c-GenColl \|**h** HF6146.I58 \|**i** S74 1997 \|**p** 00054695536 \|**t** Copy 1 \|**w** BOOKS |

Request this Item | LC Find It

## Item Availability

| | |
|---|---|
| CALL NUMBER | HF6146.I58 S74 1997<br>Copy 1 |
| Request in | Jefferson or Adams Building Reading Rooms |
| Status | Not Charged |

| | |
|---|---|
| CALL NUMBER | HF6146.I58 S74 1997 FT MEADE<br>Copy 2 |
| Request in | Jefferson or Adams Building Reading Rooms - STORED OFFSITE |
| Status | Not Charged |

# Attachment 2C

**OCLC** 37650959 **No holdings in XXX - 203 other holdings**

Books

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Rec Stat** | | **Entered** | 19971110 | **Replaced** | 20230930095838.4 |
| **Type** | a | **ELvl** | | **Srce** | d | **Audn** | | **Ctrl** | | **Lang** | eng |
| **BLvl** | m | **Form** | | **Conf** | 0 | **Biog** | | **MRec** | | **Ctry** | inu |
| | | **Cont** | | **GPub** | | **LitF** | 0 | **Indx** | 1 | | |
| **Desc** | a | **Ills** | a | **Fest** | 0 | **DtSt** | s | **Dates** | 1997 , | | |

010 97068666
040 PLeB $b eng $c DLC $d PBU $d DPL $d OCL $d LVB $d OCLCQ $d BAKER $d BTCTA $d YDXCP $d OCLCG $d DEBBG $d OCL $d TULIB $d VMC $d OCLCF $d OCLCQ $d OCLCO $d OCLCQ $d MOR $d IMD $d OCLCQ $d CSJ $d OCLCO $d OCLCQ $d BGU $d OCLCO $d OCLCQ $d YPN $d OCLCO $d OCLCA $d UNITY $d OCLCO $d OKS $d OCLCO $d NKM $d OCLCO
019 316853949
020 0789712350
020 9780789712356
042 lccopycat
050 00 HF6146.I58 $b S74 1997
082 04 658.84 $2 21
084 QP 650 $2 rvk
090 $b
100 1 Sterne, Jim, $d 1955-
245 10 What makes people click : $b advertising on the Web / $c written by Jim Sterne.
246 30 Advertising on the Web
260 Indianapolis, IN : $b Que, $c ©1997.
300 xvii, 433 pages : $b illustrations ; $c 24 cm
336 text $b txt $2 rdacontent
337 unmediated $b n $2 rdamedia
338 volume $b nc $2 rdacarrier
500 Includes index.
505 0 1. Advertising Comes to the Web -- 2. Before the Banner -- 3. The Buck Spangled Banner -- 4. Beyond the Banner -- 5. Measure for Measure -- 6. Looking for Space in All the Right Places -- 7. What Makes People Click? -- 8. Real Life Stories: The Good, the Bad, and the Unexplainable -- 9. Creating a Web Advertising Strategy -- 10. Selling Space on Your Web Site -- 11. A Few Words About the Law -- 12. Conspicuous Conjectures -- App. B. Advertising Resources on the Web.
520 Intended for marketers, advertising reps and Web reps, this work describes what advertising is being done now, what has been successful, and what the future holds for Web advertising. It aims to help readers develop a Web advertising strategy and give tips for negotiating advertising space.
650 0 Internet advertising.
650 0 Internet marketing.
650 0 World Wide Web.
650 2 Internet $0 (DNLM)D020407
650 6 Publicité sur Internet. $0 (CaQQLa)201-0275046
650 6 Marketing sur Internet. $0 (CaQQLa)201-0275029
650 6 Web. $0 (CaQQLa)201-0266258

650  7 World Wide Web. $2 aat $0 (CStmoGRI)aat300263365
650  7 Internet advertising $2 fast $0 (OCoLC)fst00977220
650  7 Internet marketing $2 fast $0 (OCoLC)fst00977272
650  7 World Wide Web $2 fast $0 (OCoLC)fst01181326
650  7 Online-Marketing $2 gnd $0 (DE-588)7706419-7
650  7 Werbestrategie $2 gnd $0 (DE-588)4133682-3
650  7 Werbung $2 gnd $0 (DE-588)4065541-6
650  7 World Wide Web $2 gnd $0 (DE-588)4363898-3
856 41 $3 Table of contents $u http://lcweb.loc.gov/catdir/toc/97-68666.html
856 41 $3 Table of contents $u http://bvbr.bib-bvb.de:8991/F?func=service&doc_library=BVB01&doc_number=009183322&line_number=0001&func_code=DB_RECORDS&service_type=MEDIA
856 41 $3 Table of contents $u http://bvbr.bib-bvb.de:8991/F?func=service&doc_library=BVB01&local_base=BVB01&doc_number=009183322&line_number=0001&func_code=DB_RECORDS&service_type=MEDIA
856 4  $3 Ventana Online
856 4  $3 Ventana Online $u http://www.vmedia.com/wsb.html
856 4  Quebooks $u http://www.quecorp.com

# Attachment 2D

The Library of Congress

>> Go to Library of Congress Online Catalog

LIBRARY OF CONGRESS AUTHORITIES

Help | New Search | Search History | Headings List | Start Over

Previous Next

MARC Display | Labelled Display

**LC control no.:** sh 95005028

**LCCN Permalink:** https://lccn.loc.gov/sh95005028

**HEADING:** Internet marketing

**000** 01188cz a2200337n 450

**001** 6771287

**005** 20120330082751.0

**008** 050715i| anannbabn |a ana

**010** __ |**a** sh 95005028

**035** __ |**a** (DLC)sh 95005028

**035** __ |**a** (DLC)331499

**035** __ |**a** (DLC)8038921

**035** __ |**a** (DLC)sp 95005028

**035** __ |**a** (DLC)440298

**040** __ |**a** DLC |**c** DLC |**d** DLC |**d** OrCS

**053** _0 |**a** HF5415.1265

**150** __ |**a** Internet marketing

**360** __ |**i** subdivision |**a** Internet marketing |**i** under types of commodities, products, and services

**450** __ |**a** Online marketing

**450** __ |**a** Web marketing

**450** __ |**a** World Wide Web marketing

**550** __ |**w** g |**a** Electronic commerce

**550** __ |**w** g |**a** Marketing

**670** __ |**a** Work cat.: 95032269: Sterne, J. World Wide Web marketing, c1996.

**670** __ |**a** LC database, June 19, 1995 |**b** (Internet marketing)

**670** __ |**a** Eley, Brandon & Tilley, Shayne. Online marketing inside out, 2009.

**670** __ |**a** Nikhilesh Dholakia, et al. Global e-commerce and online marketing: watching the evolution.

**670** __ |**a** Meyerson, Mitch. Mastering online marketing, 2008.

**906** __ |**t** 0942 |**u** tc09 |**v** 0

**952** __ |**a** LC pattern: Internet advertising

**953** __ |**a** se55 |**b** ec08

Previous Next

| Save, Print or Email Records (View Help) |
| --- |
| Select Download Format: Text (Labelled Display) Press to SAVE or PRINT |
| Email Text (Labelled Display) to: Press to SEND EMAIL |

Help - Search - Search History - Headings List - Start Over

**Library of Congress**
URL: https://www.loc.gov/

*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/

**Questions, comments, error reports:** Contact Us

# Attachment 2E

The Library of Congress

>> Go to Library of Congress Online Catalog

LIBRARY OF CONGRESS AUTHORITIES

Help | New Search | Search History | Headings List | Start Over

Previous Next

MARC Display | Labelled Display

**LC control no.:** sh 95000541

**LCCN Permalink:** https://lccn.loc.gov/sh95000541

**HEADING:** World Wide Web

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**001** 4865449

**005** 20211124060030.0

**008** 950125|| anannbabn |a ana |

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**035** __ |**a** (DLC)sh 95000541

**035** __ |**a** (DLC)5086766

**035** __ |**a** (DLC)sp 95000541

**035** __ |**a** (DLC)258303

**040** __ |**a** DLC |**c** DLC |**d** DLC

**053** _0 |**a** TK5105.888 |**c** Telecommunication

**053** _0 |**a** ZA4195 |**b** ZA4235 |**c** Information resources

**150** __ |**a** World Wide Web

**360** __ |**i** headings beginning with the words |**a** Web |**i** or |**a** Web-based

**450** __ |**a** W3 (World Wide Web)

**450** __ |**a** Web (World Wide Web)

**450** __ |**w** nne |**a** World Wide Web (Information retrieval system)

**450** __ |**a** WWW (World Wide Web)

**550** __ |**w** g |**a** Hypertext systems

**550** __ |**w** g |**a** Multimedia systems

**550** __ |**a** Internet

**670** __ |**a** Work cat.: 94067520: December, J. The World Wide Web Unleashed, c1994 |**b** (WWW, the Web, a distributed hypermedia system, a collection of interconnected hardware, software, and networked systems, it is a concept, not a program, system, or protocol, it is an interface)

**670** __ |**a** 94234135: Brown, S. The Internet via Mosaic and World Wide Web, c1994 |**b** (WWW, the Web) p. 35 (Although the WWW is primarily used on a global scale as a part of the Internet, it is feasible for a two-machine network to run the WWW client/server software)

**670** __ |**a** Internet publishing handbook, c1995: |**b** p. 15 (World-Wide Web system is known by its various names: WWW, W3, and Web)

**670** __ |**a** MAGS, Dec. 8, 1995: |**b** article by Robert M. Metcalfe (first generation of WWW based on Hypertext Transfer Protocol and Hypertext Transfer Markup Language)

**670** __ |**a** Work cat.: Picardo Joao, O. Educación y COVID-19, 2020: |**b** p. 9 (English abstract: The study of factors associated with online academic performance in times of the COVID-19 is an exploratory type of research to learn about the problems, challenges and perceptions of students, in the forced migration of the classroom education system to telematic or virtual models, The interest was to know the experience of online education from the student's perspective, by exploring various aspects such as: connectivity, equipment, environments, teacher digital literacy, family support, among others) |**w** (DLC)2020504712

**675** __ |**a** ASTI; |**a** Engr. index; |**a** Web. 3

**906** __ |**t** 0019 |**u** te07 |**v** 0

**910** __ |**a** Proposal saved by js06 on 09/14/2021 at 09:37:22

**953** __ |**a** jf08 |**b** ta25

**906** __ |**t** 2110 |**v** 0

◀ Previous Next ▶

**Save, Print or Email Records (View Help)**

Select Download Format: Text (Labelled Display) Press to SAVE or PRINT

Email Text (Labelled Display) to: Press to SEND EMAIL

Help - Search - Search History - Headings List - Start Over

**Library of Congress**
URL: https://www.loc.gov/

*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/

**Questions, comments, error reports:** Contact Us

# Attachment 2F

Copyright United States Copyright Office

Try the Copyright Public Records System (CPRS) pilot with enhanced search features and filters.

Help | Search | History | Titles | Start Over

# Public Catalog

Copyright Catalog (1978 to present) at DC4
Search Request: Left Anchored Title = what makes people click
Search Results: Displaying 1 of 1 entries

previous next

Labeled View

***What makes people click : advertising on the Web / written by Jim Sterne.***

**Type of Work:** Text
**Registration Number / Date:** TX0004668997 / 1997-11-17
**Title:** What makes people click : advertising on the Web / written by Jim Sterne.
**Imprint:** Indianapolis : Que, c1997.
**Description:** 433 p.
**Copyright Claimant:** Macmillan Computer Publishing
**Date of Creation:** 1997
**Date of Publication:** 1997-08-22
**Variant title:** What makes people click : advertising on the Web
**Names:** Sterne, Jim
Macmillan Computer Publishing

previous next

| Save, Print and Email (Help Page) | |
|---|---|
| Select Download Format | Full Record ▾ Format for Print/Save |
| Enter your email address: | Email |

Help Search History Titles Start Over

Contact Us | Request Copies | Get a Search Estimate | Frequently Asked Questions (FAQs) about Copyright | Copyright Office Home Page | Library of Congress Home Page

# Attachment 3A

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001    40193540
003    OCoLC
005    19990914135620.0
008    980924s1999    maua     b    001 0 eng
010    98043263
020    0875848893 (alk. paper)
040    DLC|cDLC|dCOR
049    CORA
090    HF5415.124 .H33 1999
100 1  Hagel, John.
245 10 Net worth :|bshaping markets when customers make the rules
       /|cJohn Hagel III, Marc Singer.
260    Boston :|bHarvard Business School Press,|cc1999.
300    xx, 313 p. :|bill. ;|c25 cm
504    Includes bibliographical references (p. 285-291) and
       index.
650  0 Infomediaries.
650  0 Consumers|xInformation services.
650  0 Privacy, Right of.
650  0 Online information services.
700 1  Singer, Marc.
907    .b11866317|b10-21-03|c10-21-03
910 99 CARL0623637130
998    dm|b09-14-99|cm|da|e-|feng|gmau|h0|i1
```

# Attachment 3B

LIBRARY | CATALOG

Search Navigation ▾ < 8 of 55 >

BOOK

# Net worth : shaping markets when customers make the rules

Full Record **MARC Tags**

| | | |
|---|---|---|
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| 035 | __ | \|**9** (DLC) 98043263 |
| 906 | __ | \|**a** 7 \|**b** cbc \|**c** orignew \|**d** 1 \|**e** ocip \|**f** 19 \|**g** y-gencatlg |
| 955 | __ | \|**a** pc01 to SA00 09-25-98; se30 10-01-98 holding for info fr. pub.; se30 10-08-98; se35 10-09-98; se35 10-15-98 sent to CPSO for new subj. hdg.; ret'd for shlflstg 10-23-98; se50 10-26-98; cip ver. sd06 01-25-99 |
| 010 | __ | \|**a** 98043263 |
| 020 | __ | \|**a** 0875848893 (alk. paper) |
| 040 | __ | \|**a** DLC \|**c** DLC \|**d** DLC |
| 050 | 00 | \|**a** HF5415.124 \|**b** .H33 1999 |
| 082 | 00 | \|**a** 658.8/00285/4678 \|**2** 21 |
| 100 | 1_ | \|**a** Hagel, John. |
| 245 | 10 | \|**a** Net worth : \|**b** shaping markets when customers make the rules / \|**c** John Hagel III, Marc Singer. |
| 260 | __ | \|**a** Boston : \|**b** Harvard Business School Press, \|**c** c1999. |
| 300 | __ | \|**a** xx, 313 p. : \|**b** ill. ; \|**c** 24 cm. |
| 504 | __ | \|**a** Includes bibliographical references (p. 285-291) and index. |
| 650 | _0 | \|**a** Infomediaries. |
| 650 | _0 | \|**a** Consumers \|**x** Information services. |

| | | |
|---|---|---|
| 650 | _0 | \|**a** Privacy, Right of. |
| 650 | _0 | \|**a** Online information services. |
| 700 | 1_ | \|**a** Singer, Marc. |
| 920 | __ | \|**a** **LC HAS REQ'D # OF SHELF COPIES** |
| 991 | __ | \|**b** c-GenColl \|**h** HF5415.124 \|**i** .H33 1999 \|**p** 00058948275 \|**t** Copy 1 \|**w** BOOKS |

Request this Item | LC Find It

## Item Availability

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|---|---|
| CALL NUMBER | HF5415.124 .H33 1999<br>Copy 2 |
| Request in | Jefferson or Adams Building Reading Rooms |
| Status | Not Charged |

| | |
|---|---|
| Shelf Location | FLM2015 253028 |
| CALL NUMBER | HF5415.124 .H33 1999 OVERFLOWJ34 |
| Request in | Jefferson or Adams Building Reading Rooms (FLM2) |
| Status | Not Charged |

# Attachment 3C

**OCLC** 40193540 **No holdings in XXX - 689 other holdings**

Books

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Rec Stat** | | **Entered** | 19980924 | **Replaced** | 20220328183308.0 | | | | | | |
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| **BLvl** | m | **Form** | | **Conf** | 0 | **Biog** | | **MRec** | | **Ctry** | mau |
| | | **Cont** | b | **GPub** | | **LitF** | 0 | **Indx** | 1 | | |
| **Desc** | a | **Ills** | a | **Fest** | 0 | **DtSt** | s | **Dates** | 1999, | | |

010 98043263
040 DLC $b eng $c DLC $d BAKER $d NLGGC $d BTCTA $d LVB $d YDXCP $d UQ1 $d ZWZ $d SXC $d DEBBG $d Z87 $d TULIB $d BDX $d OCLCF $d OCLCO $d OCLCQ $d LTU $d OCLCQ $d DEBSZ $d OCLCQ $d CNGUL $d CNUTO $d SNC $d OCLCQ $d OCLCO $d ICN $d OCLCQ $d CSA $d OCLCO $d OCLCQ $d CPO $d OCLCO $d NAM $d NJR $d CRU $d QE2 $d CEF $d AU@ $d FSP $d DXU $d OCLCQ $d OCLCO $d UWO $d OCLCA $d IL4J6 $d OCLCO $d UKMGB $d OCLCO $d OKS $d OCLCO $d SAR $d OCLCO
016 7 011380396 $2 Uk
019 505064539
020 0875848893 $q (alk. paper)
020 9780875848891 $q (alk. paper)
020 0585118523
020 9780585118529
050 00 HF5415.124 $b .H33 1999
082 00 658.8/00285/4678 $2 21
084 85.40 $2 bcl
084 G301 $2 clc
084 TP391 $2 clc
084 QP 620 $2 rvk
090 $b
100 1 Hagel, John.
245 10 Net worth : $b shaping markets when customers make the rules / $c John Hagel III, Marc Singer.
260 Boston : $b Harvard Business School Press, $c ©1999.
300 xx, 313 pages : $b illustrations ; $c 24 cm
336 text $b txt $2 rdacontent
337 unmediated $b n $2 rdamedia
338 volume $b nc $2 rdacarrier
504 Includes bibliographical references (pages 285-291) and index.
520 Hagel and Singer describe the role of infomediaries, companies that act as a go-between for customers and sellers.
505 0 The New Infomediaries -- Seller Beware -- An Agent for the Rest of Us -- Promising Markets -- Who Can Play? -- Entry Strategies -- Stage One: Building the Profile -- Stage Two: Spinning a Web -- Stage Three: Playing the Spider's Role -- The Economics of Infomediation -- The Informediation Of Markets -- The Unraveling of the Firm -- Reverse Markets -- Consumer Unbound -- The Technology Tool Kit.
650 0 Infomediaries.
650 0 Consumers $x Information services.
650 0 Privacy, Right of.
650 0 Online information services.

650  6 Infomédiaires. $0 (CaQQLa)201-0320003
650  6 Consommateurs $x Services d'information. $0 (CaQQLa)201-0320001
650  6 Droit à la vie privée. $0 (CaQQLa)201-0009002
650  6 Serveurs (Informatique) $0 (CaQQLa)201-0274503
650  7 Consumers $x Information services. $2 fast $0 (OCoLC)fst00876420
650  7 Infomediaries. $2 fast $0 (OCoLC)fst00972516
650  7 Online information services. $2 fast $0 (OCoLC)fst01045954
650  7 Privacy, Right of. $2 fast $0 (OCoLC)fst01077444
650  7 Kundenmanagement $2 gnd $0 (DE-588)4236865-0
650 17 Informatievoorziening. $2 gtt
650 17 Klantenservice. $2 gtt
650 17 Internet. $2 gtt
650  7 Customer services $x Management $x Data processing. $2 nli
650  7 Privacy, Right of. $2 nli
650  7 Marketing $x Data processing. $2 nli
650  7 Infomediaries. $2 nli
650  7 Commerce électronique. $2 ram
650  7 Marketing sur Internet. $2 ram
650  7 Relations avec la clientèle. $2 ram
650  7 Consommateurs $x Préférences. $2 ram
650  7 Satisfaction du consommateur. $2 rasuqam
650  7 Cybermarketing. $2 rasuqam
650  7 Commerce électronique de détail. $2 rasuqam
650  7 Infomédiation. $2 rasuqam
650 17 Infomédiaire. $2 rasuqam
700 1  Singer, Marc.
856 41 $3 Table of contents $u http://digitool.hbz-nrw.de:1801/webclient/DeliveryManager?pid=1185386&custom_att_2=simple_viewer

# Attachment 3D

The Library of Congress

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MARC Display | Labelled Display

**LC control no.:** sh 98006748

**LCCN Permalink:** https://lccn.loc.gov/sh98006748

**HEADING:** Infomediaries

**000** 01319cz a2200277n 450

**001** 4896890

**005** 20120402075512.0

**008** 981015i| anannbabn |a ana

**010** __ |**a** sh 98006748

**035** __ |**a** (DLC)sh 98006748

**035** __ |**a** (DLC)243575

**040** __ |**a** DLC |**c** DLC

**150** __ |**a** Infomediaries

**450** __ |**a** Infomediary business

**450** __ |**a** Information intermediaries

**550** __ |**w** g |**a** Consumers |**x** Information services

**550** __ |**w** g |**a** Online information services industry

**670** __ |**a** Work cat.: 98-43263: Hagel, J. Net worth : shaping markets when customers make the rules, 1999 |**b** (Infomediaries; Infomediary business; information intermediary)

**670** __ |**a** McKinsey Quarterly, n. 3, 1997: |**b** Hagel, J. The coming battle for customer information (Infomediaries; Infomediary business)

**670** __ |**a** McKinsey Quarterly, n. 4, 1997: |**b** Hagel, J. The new infomediaries (Infomediaries)

**670** __ |**a** Planning Review, v. 20, n. 5, Sept./Oct., 1992: |**b** Meyer, C. 2020 vision (Infomediaries)

**670** __ |**a** ABI/Inform, Oct. 15, 1998 |**b** (Infomediaries)

**680** __ |**i** Here are entered works on agents who help to capture and manage information about customers in an online environment and to use this information for commercial purposes.

**906** __ |**t** 9845 |**u** te04 |**v** 1

**952** __ |**a** 0 bib. record(s) to be changed

**953** __ |**a** se35

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MARC Display | Labelled Display

**LC control no.:** sh 98006962
**LCCN Permalink:** https://lccn.loc.gov/sh98006962
**HEADING:** Consumers Information services

**000** 00347cz a2200145n 450
**001** 4897062
**005** 20110729141641.0
**008** 981023|| anannbabn |n ana
**010** __ |**a** sh 98006962
**035** __ |**a** (DLC)sh 98006962
**035** __ |**a** (DLC)243747
**040** __ |**a** DLC |**c** DLC |**d** DLC
**150** __ |**a** Consumers |**x** Information services
**906** __ |**t** 9845 |**u** te04 |**v** 1
**953** __ |**a** te07

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MARC Display | Labelled Display

**LC control no.:** sh 85107029
**LCCN Permalink:** https://lccn.loc.gov/sh85107029
**HEADING:** Privacy, Right of

**000** 01129cz a2200361n 450
**001** 4756640
**005** 20151029060155.0
**008** 860211i| anannbabn |b ana
**010** __ |**a** sh 85107029
**035** __ |**a** (DLC)sh 85107029
**035** __ |**a** (DLC)7056198
**035** __ |**a** (DLC)sp 85107029
**035** __ |**a** (DLC)353681
**040** __ |**a** DLC |**c** DLC |**d** DLC |**d** MoSU-L |**d** CLU
**053** _0 |**a** JC596 |**b** JC596.2 |**c** Political theory
**150** __ |**a** Privacy, Right of
**450** __ |**a** Invasion of privacy
**450** __ |**a** Privacy, Right of |**x** Law and legislation
**450** __ |**a** Right of privacy
**550** __ |**w** g |**a** Civil rights
**550** __ |**w** g |**a** Libel and slander
**550** __ |**w** g |**a** Personality (Law)
**550** __ |**w** g |**a** Press law
**550** __ |**a** Computer crimes
**550** __ |**a** Confidential communications
**550** __ |**a** Data protection |**x** Law and legislation
**550** __ |**a** Right to be forgotten
**550** __ |**a** Secrecy |**x** Law and legislation
**906** __ |**t** 0704 |**u** te04 |**v** 0
**910** __ |**a** Proposal saved by tc03 on 08/24/2015 at 14:23:10
**952** __ |**a** Addition of reciprocal 550 RT for the heading in new SACO proposal: Right to be forgotten
**953** __ |**a** xx00 |**b** ym84
**906** __ |**t** 1510 |**v** 0

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# Attachment 3G

# LIBRARY OF CONGRESS AUTHORITIES



**LC control no.:** sh 95004892
**LCCN Permalink:** https://lccn.loc.gov/sh95004892
**HEADING:** Online information services

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**001** 4868877
**005** 20120330082743.0
**008** 950614i| anannbabn |a ana
**010** __ |**a** sh 95004892
**035** __ |**a** (DLC)sh 95004892
**035** __ |**a** (DLC)6656717
**035** __ |**a** (DLC)sp 95004892
**035** __ |**a** (DLC)334537
**040** __ |**a** DLC |**c** DLC |**d** DLC
**053** _0 |**a** QA76.55 |**b** QA76.57 |**c** Computer science
**150** __ |**a** Online information services
**450** __ |**a** Electronic information services
**450** __ |**a** On-line information services
**450** __ |**a** Online services (Information services)
**550** __ |**w** g |**a** Information services
**670** __ |**a** Work cat.: 95-24054: Sagman, S.W. Traveling the Microsoft Network.
**670** __ |**a** MAGS file |**b** (subject: Online information services)
**670** __ |**a** NY Times, 5/30/95 |**b** (on-line information services)
**670** __ |**a** LC database, Sept. 9, 2005. |**b** (Electronic information services)
**675** __ |**a** Hennepin
**906** __ |**t** 0541 |**u** te04 |**v** 0
**952** __ |**a** 0 bib. record(s) to be changed
**953** __ |**a** ta25 |**b** ta27

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# Attachment 3H

Copyright United States Copyright Office

Try the Copyright Public Records System (CPRS) pilot with enhanced search features and filters.

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# Public Catalog

Copyright Catalog (1978 to present) at DC4
Search Request: Left Anchored Name = Hagel John
Search Results: Displaying 6 of 13 entries

previous | next

Labeled View

***Net worth : shaping markets when customers make the rules / John Hagel III,...***

**Type of Work:** Text
**Registration Number / Date:** TX0004956371 / 1999-03-25
**Title:** Net worth : shaping markets when customers make the rules / John Hagel III, Marc Singer.
**Imprint:** Boston : Harvard Business School Press, c1999.
**Description:** 313 p.
**Copyright Claimant:** McKinsey and Company, Inc.
**Date of Creation:** 1998
**Date of Publication:** 1999-03-15
**Variant title:** Net worth : shaping markets when customers make the rules
**Names:** Hagel, John 3rd, 1950-
Singer, Marc, 1964-
McKinsey and Company, Inc.

previous | next

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| Select Download Format | Full Record ▾ Format for Print/Save |
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Help | Search | History | Titles | Start Over

Contact Us | Request Copies | Get a Search Estimate | Frequently Asked Questions (FAQs) about Copyright | Copyright Office Home Page | Library of Congress Home Page

# Appendix A

# 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.

**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 Beth Weber. *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.

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Hall-Ellis, Sylvia D. and Duan Zhang. *Project Homeless Connect 5 Event Evaluation.* Denver, Colo.: Center for Community Engagement and Service Learning, 2008.

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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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**NATIONAL SERVICE & PROFESSIONAL AFFILIATIONS**

**American Library Association, Life Member**
Association for Library Collections & Technical Services (now CORE)
Cataloging, Classification, and Metadata Section
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**

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.

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; Fall 2020, 2021, 2022, 2023)
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)

*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-

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.

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