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Instructions for authors appear on p. 125 of the January/March 1981 issue of Library Resources & Technical Services. Copies of books for review should be addressed to Arnold Hirshon, Editor, *RTSD Newsletter,* Duke University, Box 9184—Duke Station, Durham, NC 27706. Do not send journal issues or journal articles for review.

LRTS Silver Anniversary Competition Award Winners

To celebrate its twenty-fifth anniversary, Library Resources & Technical Services *invited each ALA-accredited library school to submit one paper written by a student enrolled during 1980 in the master's program. Each entry was evaluated by three referees, selected from a team of twelve librarians. The entries receiving the highest ratings were then evaluated by all members of the* LRTS *Editorial Board except the editor and the one library school faculty member. At the San Francisco Conference, the $300 first prize was awarded to Elizabeth G. Mikita, the second prize ($150) to Stephen Van Houten, and the third prize of $75 to Lee R. Nemchek. The award winners are shown here with their prizes, which included a certificate, a one-year membership in ALA and RTSD, and a silver bow for each. From left to right: Elizabeth G. Mikita, Stephen Van Houten, and Lee R. Nemchek.*

Monographs in Microform: Issues in Cataloging and Bibliographic Control

Elizabeth G. Mikita

During the last twenty years, microform acquisitions have grown at an incredible rate along with widespread recognition of inadequate bibliographic access to these materials. Local bibliographic control over monographs in microform has been a particular problem—research libraries have failed to provide cataloging for these materials with the same level of effort and priority accorded to similar materials in hard copy. The magnitude of the microform problem is identified, the history of attitudes and practices regarding the cataloging of microforms is reviewed, and it is suggested that integrated bibliographic access be implemented at local and national levels.

TWO OUT OF FIVE ITEMS currently held by larger academic libraries are microforms. With the use of the median figure published by ARL and ACRL, it was found that approximately 40 percent of a university library's total collection is comprised of microforms (40.3 percent for ARL libraries, 39.7 percent for ACRL libraries).[1] But, in spite of the fact that their numbers have been steadily increasing, microforms have not been fully accepted or successfully integrated into many of these institutions. This has been the conclusion of studies conducted over the last twenty years, and underutilization (as well as "user resistance") remains a problem in 1981.

Many factors contribute to the failure of microforms to reach their full potential in research libraries. These factors can be grouped into the following interrelated categories:

1. Problems associated with the physical use of microforms—These include poor-quality reproductions, equipment problems, and uninviting environments for use.
2. Lack of standardization among micropublishers—Including too many formats and reduction ratios and the failure to supply clear or sufficient bibliographical data.

First prize in the *LRTS* Silver Anniversary Competition has been awarded to this paper by Elizabeth G. Mikita, Graduate School of Library and Information Studies, Rutgers University. The author is now cataloger, Professional and Technical Center, The Baker & Taylor Co.

Editor's note: So that the quality of the award-winning papers can be assessed fairly, each is being published as submitted, except for the minor changes required for conformity to the University of Chicago Press style manual and ALA editorial practices.

3. Inadequate bibliographic control on a national level—Lack of coverage in indexes, trade bibliographies, and other bibliographical tools; and exclusion from bibliographic databases.
4. Inadequate local bibliographic control—The failure of libraries to provide sufficient access to their microform holdings (primarily, cataloging).

The focus of this paper is the issue of local bibliographic control over monographs. Whether or not local bibliographic control is the most important factor affecting the acceptance of microforms is arguable, but it is the factor over which librarians have the most control. It might be assumed that monographs issued in microform should not be particularly problematic since printed monographs are the most successfully controlled of all materials. However, based on the literature on the bibliographic control of microforms and on the following preliminary study, this is not the case.

Availability of Cataloging Copy

Of one hundred entries randomly selected from the 1979 edition of *Microforms in Print,* forty-five were monographs and the remainder were serials or government documents. Each of the monographs was searched in RLIN, OCLC, and the *National Union Catalog.* A distinction was made between cataloging done by the Library of Congress and cataloging contributed by any other institution (i.e., "shared copy") since the level of detail and the quality of the latter are variable. In addition to noting the number of items for which exact cataloging copy was available (i.e., "hits"), the availability of less significant—but possibly useful—variant copy was also noted. Since a majority of the entries searched were reproductions of items originally published in hard copy, the existence of cataloging copy for the paper edition was second in importance.

It was found that the amount of cataloging copy available nationally for microform monographs is far less than would be found for printed monographs. Exact copy was found for 17.7 percent of the items searched, but only 4.4 percent of these were cataloged by the Library of Congress. At the same time, cataloging copy for the hard-copy edition was found for more than half of the items. Table 1 contains the cataloging sources for exact and variant copy for microform or hard-copy editions.

Why is there so little cataloging available nationally for monographs in microform? The obvious answer is that the libraries acquiring microforms have failed to provide local bibliographic control for these materials with the same level of effort and priority accorded to similar materials in hard copy. In order to understand this failure—which has been generally acknowledged throughout the literature—it is necessary to look at the history of attitudes and practices regarding the cataloging of microforms.

The Microphotography Symposium held at the 1936 ALA Conference in Richmond, Virginia, has been cited as the beginning of the use of microforms in libraries. Although the process itself was nearly one hundred years old, technical developments in the 1920s and early 1930s made microphotography more attractive and practical as a solution to

TABLE 1
AVAILABLE CATALOGING COPY FOR MONOGRAPHS IN MICROFORM*

	Sources of Cataloging Copy								
	RLIN		OCLC		NUC		All Sources		
	LC	Shared	LC	Shared	LC	Shared	LC	Shared	Total
Exact copy—microform	0.0%	0.0%	0.0%	11.1%	4.4%	4.4%	4.4%	13.3%	17.7%
Exact copy—hard-copy ed.	2.2%	4.4%	15.5%	11.1%	31.1%	8.9%	31.1%	24.4%	55.5%
Variant copy—microform	0.0%	2.2%	2.2%	6.7%	4.4%	8.9%	6.7%	15.6%	22.3%
Variant copy—hard-copy ed.	6.7%	0.0%	8.9%	2.2%	11.1%	2.2%	13.3%	4.4%	17.7%
No copy found	84.4%		44.4%		24.5%		NA	NA	17.8%

*Based on forty-five bibliographic entries from John J. Walsh, ed., *Guide to Microforms in Print, 1979* (Westport, Conn.: Microform Review, 1979). Some of the entries appeared in more than one source. In addition, more than one level of copy was available for some entries. Therefore, total percentages may exceed 100 percent.

library storage problems, and as a means for acquiring materials which would not otherwise be available. In print, the new technology was greeted with enthusiasm by both the library community and the press.

In the years following the 1936 Conference, articles dealing with the cataloging of microforms began to appear in library journals. The authors generally agreed that microforms should be treated as much like their hard-copy counterparts as possible. They stressed the need for cataloging items which were usually cataloged in hard copy (e.g., monographs) and emphasized intellectual content over physical form. The actual practices reported by various research libraries reflected different interpretations of this principle, and produced catalog records of varying levels of detail. By the time the 1949 rules for descriptive cataloging appeared, these inconsistencies were firmly entrenched.

Deterrents to Cataloging

Even more serious than the problem of inconsistent cataloging practices was the tendency of many libraries *not* to catalog microforms. According to Robert Grey Cole, the major reasons for this trend (aside from the lack of standard cataloging rules—which provided libraries with an excuse to "wait and see") were the types of materials initially available in microform, the lack of micropublishing standards, and later, the increased volume of micropublishing.[2] Each of these factors offers some insight into the current problem of bibliographic control.

1. *Types of materials in microform.* Other library materials have also suffered from a lack of attention at the local level. Rare books and manuscripts, for example, often fail to receive cataloging; access to these materials is in many cases out of the mainstream of the general collection. Ironically, these were among the first items to be microfilmed. "Thus, an early impression was formed . . . that microforms were little used, esoteric materials that only the highly trained specialist would be seeking."[3] Microforms fell victim to the notion that sophisticated library users know how to find what they are seeking and rarely consult the general catalog. They also fell victim to the reluctance of catalogers to handle materials which were physically unlike books (an attitude still, unfortunately, too common) and which required special reading equipment.
2. *Lack of prescribed source of information—the title-page problem.* Aside from the confusing variety of formats and reduction ratios which had to be dealt with, microforms were difficult to catalog because micropublishers (both private and commercial) failed to supply or display necessary bibliographic information. There was no clear or uniform "chief source of information." This increased the time and effort necessary for cataloging and acted, therefore, as another deterrent. Since 1954 the library community has mounted several organized efforts to publicize and eliminate this problem. While the situation has improved a great deal, the establishment of standards for clear and adequate bibliographic information is still an active issue.

3. *The volume of micropublishing.* A major trend which began in the late forties and increased throughout the fifties and sixties was the publication of large monographic series in microform. These sets often contained hundreds of individual titles, and the decision not to fully catalog them was usually based on practical considerations. Many of the largest projects were based on existing bibliographies (e.g., Evans' *American Bibliography*), making the decision easier to justify, since some form of access was available. A major percentage of monographs currently available in microform is issued in these larger series, and they are among the least-accessible materials in our research collections. The issue of whether or not to catalog and provide analytics—separate catalog records for each individual title—for these series remains controversial.

The need to establish efforts to provide analytics for microform series was among the recommendations in Wesley Simonton's 1961 ARL-sponsored study on the bibliographical control of microforms. He asserted that "decisions concerning the need for cataloging . . . should be based on the importance of the content of library materials . . . rather than on their physical format."[4] Although this concept was supported in much of the literature, it did not reflect the practice in many research libraries—where microforms were given the lowest priority. Simonton specifically recommended that librarians undertake centralized or cooperative ventures with micropublishers to supply analytics to subscribing libraries, thus eliminating duplication of the considerable effort necessary to catalog microform series fully.

Simonton's Facsimile Theory and Edition Theory

Simonton's report also addressed the issue of cataloging rules. He introduced the terms "facsimile theory" and "edition theory" to explain the basic philosophical differences in the treatment of microforms:

> The facsimile theory may be said to be primarily concerned with the intellectual content of the work, in that it considers all microforms to be reproductions of previously existing works, whether these works have been "published" or not. . . . The edition theory, on the other hand, is more concerned with the physical object.[5]

Microforms cataloged according to the facsimile theory are described in terms of the original work, with information about the reproduction provided in notes. Under the edition theory the treatment is reversed—the actual physical item is described and details regarding the original appear in notes.

The 1949 rules contained aspects of both theories. A distinction was made between original works in microform and previously published works, treating the former strictly according to the edition theory. In the latter case, the publication statement and date were taken from the original work, but the collation area described the microform. The collation of the original was recorded in a note.

Simonton argued for full application of the facsimile theory for the sake of uniformity, practicality (wider use could be made of existing cards), and clarity (e.g., reproduction dates can be misleading). His

recommendations resulted in changes in the 1963 revision of the LC rules, which became the basis for the treatment of microforms in the 1967 *Anglo-American Cataloging Rules*.[6] Although AACR1 did not completely eliminate the distinction between items cataloged according to the edition and facsimile theories, application of the former was restricted to works "assembled specifically for the purpose of bringing out an original edition" in microform.[7] The facsimile theory was more consistently applied to reproductions, with the collation of the original recorded in the collation area and the microform described in the reproduction note.

In 1972, another ARL-sponsored report on the bibliographic control of microforms was published. Its authors, Felix Reichmann and Josephine Tharpe, reported that "the overwhelming majority of the 190 libraries that responded to the questionnaire on local bibliographic control are not satisfied with the present situation and deplore the lack of adequate control."[8] Although this inadequacy was widely recognized, only 60 percent of the libraries in this study were found to provide full descriptive cataloging for microforms.[9] At that time, microforms were estimated to comprise 20–25 percent of the holdings of research libraries.[10] Even if the percentage of items being cataloged has increased somewhat since then, the problem of uncataloged microforms has still increased significantly—since the current estimate is 40 percent.

By the seventies, librarians began to look for alternative forms of access to microforms. They were overwhelmed by the volume of microform collections acquired during the previous decade—when money was plentiful and micropublishing boomed. Many librarians objected to the time and expense necessary for preparing analytics as well as the space they demanded in catalogs and shelflists. One of the recommendations proposed by Reichmann and Tharpe was the creation of a machine-readable index to microform series to be maintained by the Library of Congress.[11] The concept of a separate index for microforms has some support in the literature, but no action has been taken in this direction.

Issue of Integrated Access

There are several good arguments against developing a separate bibliographic tool for microforms. The strongest is the simple truth that unless these materials are represented in the catalog, they will continue to be underutilized. Robert Grey Cole offers one of the most persuasive cases for cataloging microforms. He points out that "people do not seek information by format."[12] Most users follow a set pattern in searching for materials; they tend to seek the items which are most accessible, often ignoring those which require a special effort. According to Cole, "adequate bibliographic control of microforms should mean that when all library materials are divided into their generic bibliographic forms—that is, monographs, serials, documents, manuscripts, etc.—materials in microform are as equally accessible as paper materials of the same type.[13] He also points out that failure to catalog microforms can easily lead to duplication of resources and can place an unnecessary strain on interlibrary loan—when users request materials which they are not aware the library owns in microform.

In spite of the arguments in favor of cataloging and the fact that no alternative bibliographic tool has emerged, research libraries still hold a significant number of microform collections for which they provide little or no access. Some librarians have argued that micropublishers should be responsible for providing bibliographic support for large microform projects. Aside from the printed guides of varying detail which usually accompany microform sets (and sometimes serve as the only form of access), some micropublishers do offer catalog cards. These cards are not inexpensive and may still require editing to conform to local or national standards and to avoid authority problems, thus reducing their practicality. Although cooperation with publishers is desirable, the library community should accept primary responsibility for the bibliographic control of microforms—as it does for corresponding materials in hard copy.

Over the last twenty years, proposals for improving the bibliographic control of microforms have not received the support—from LC or the rest of the library community—necessary for their successful implementation. Recently, however, there have been some positive signs—the old problems are now receiving new attention. The RTSD Micropublishing Committee of ALA appointed a special Subcommittee on Bibliographic Control in 1976 to emphasize the need for direction and coordination at the national level. A special meeting sponsored by the subcommittee was held in April of 1978 and brought together representatives from major libraries and library organizations—as well as micropublishers and other microform experts—to outline a strategy for improving bibliographic control.

Among the issues addressed at this meeting was LC's "Statement on Access Points for Microforms."[14] This proposal called for the addition of access points to the existing MARC formats, rather than the creation of a format for microforms. The ability to create local catalog records and share them in machine-readable form is an essential condition for improving the bibliographic control of microforms. Major efforts to create machine-readable records are unlikely until the MARC treatment of microforms is resolved. The LC "Statement" was supported by the subcommittee and others interested in microform cataloging, and steps toward its implementation have finally been taken in the past few months.

The 1978 special subcommittee meeting also served as the impetus for an ARL grant proposal to the National Endowment for the Humanities for a study to "design and coordinate a plan for action which will involve librarians, micropublishers and others in working together to develop the agreements and mechanisms required for the cooperative creation and dissemination of cataloging records for materials in microform."[15] Information Systems Consultants, Inc., of Bethesda, Maryland (ISCI), began work on this project in October of 1979 and submitted their report to ARL one year later. The major focus of their study was the issue of providing access to large collections of monographs in microform. ISCI reviewed the literature on past efforts toward bibliographic control and assessed the present situation through field visits and contacts with ARL libraries. Their report emphasizes the importance of the bibliographic

utilities in the establishment of a national plan for bibliographic control and recommends the direct participation of micropublishers in this effort.[16]

Among ISCI's specific recommendations are:

1. The entry of both microform publisher and library cataloging of monographs in currently published microform collections into the data bases of bibliographic utilities.
2. A cooperative retrospective cataloging program funded in part through grants from foundations and federal agencies.
3. A cooperative current cataloging program among libraries for titles produced by microform publishers who are unwilling to participate in the program.[17]

In their view, such a program is now possible because of the existence of the bibliographic utilities, and many of their other recommendations concern technical aspects of machine-readable records for microforms.

Providing cataloging for current microforms, as well as cataloging retrospective materials, is an admirable and ambitious goal. Although the combination of automation and cooperation promises much, it may still not be enough to get this project off the ground. Decisions about priorities and whether or not to catalog at all are still being based on form, rather than content. As W. Carl Jackson has observed:

> It is ironic that when libraries acquire paper-printed books, whether singly or in a large collection, we will catalog fully even the most ephemeral of them, almost without question. Yet we fail so often to provide cataloging for the many titles in a microform collection which includes thousands of individual books.[18]

AACR1 vs. AACR2

The new AACR2 rules reflect a significant change in philosophy from the AACR1 facsimile theory cataloging of reproductions. Under AACR2, the distinction between reproductions and original editions in microform has been eliminated, and the edition theory is applied in all cases. Microforms are described in terms of the physical item in hand, and information regarding original works is recorded in the last note. This change came as a surprise to many catalogers, and an effort to revise this aspect of the new code has been organized.

Concerned individuals and organizations—including LC and the bibliographic utilities—have voiced both philosophical and practical objections to the new rules on microforms. Among the arguments against these rules are those originally raised by Simonton and others regarding the primacy of intellectual content. The fact that reproductions will be represented differently in the catalog from the original work, and (possibly) from other microform reproductions of the same work, is also considered a problem—which will confuse users and create more work for catalogers. As table 1 indicates, the usefulness of available cataloging copy for hard-copy editions will be severely reduced, and the percentage of items needing full, original cataloging will increase significantly. This will probably lower the rate of microform cataloging which could be done at a particular institution.

The ISCI report also addresses the AACR2 issue and calls for a review

of the new rules.[19] In the past year, proposed alternatives to the AACR2 treatment of microform reproductions have been circulated through the library community. Although the RTSD Committee on Cataloging: Description and Access rejected three of these proposals at the ALA Conference in New York City in June of 1980, the issue has not been settled and efforts to change the code continue. Opposition is so strong that LC and the bibliographic utilities have agreed, as an interim measure, to continue using the AACR1 rules for the description of microform reproductions beyond "day one" (January 2, 1981). Until a final resolution—which will benefit both users and those who catalog microforms—is reached, attempts to establish a coordinated national effort for cataloging microforms are likely to be stalled.

The fundamental issue is not just facsimile versus edition theory, but the goals of owning extensive microform collections within a larger library environment. Collection development objectives for microforms should be no different from those applied to other materials. If a collection is not worthy of having bibliographic support, it may not be worth acquiring. Until this is resolved, we still face the cataloging problem for all microforms—monographs, serials, documents, preservation copies. The preliminary study offered here, albeit based on a small sample size for monographs, does lend support to the decision to delay implementation of *AACR2*'s chapter 11. Meanwhile, the 183 million microform units held by 208 libraries continue to grow, and the bibliographic control and access problems are compounded by the sheer, staggering numbers of these miniature materials. Until we achieve bibliographic integration of microforms, they will continue to haunt us.

References

1. As of 1979, the 208 ARL and ACRL libraries held 182,395,547 microform units. Using conservative estimates of growth rates, these 208 libraries will hold one microform unit for every man, woman, and child in the United States by 1984. Carol A. Mandel and Mary P. Johnson, comp., *ARL Statistics* 1978-79 (Washington, D.C.: Association of Research Libraries, 1979), 54p; Julie A. C. Virgo, Sarah How, and Annette Fern, comp., *ACRL University Library Statistics 1978-1979* (Chicago: Association of College and Research Libraries, 1980), 47p.
2. Robert Grey Cole, "Bibliographic Control," *Illinois Libraries* 58:212 (March 1976).
3. Ibid.
4. Wesley Simonton, "The Bibliographical Control of Microforms," *Library Resources & Technical Services* 6:32 (Winter 1962).
5. Ibid., p.33
6. *Anglo-American Cataloging Rules,* North American Text, C. Sumner Spalding, gen. ed. (Chicago: American Library Assn., 1967), p.253-55.
7. Ibid., p.254.
8. Felix Reichmann and Josephine Tharpe, *Bibliographic Control of Microforms* (Weston, Conn.: Greenwood, 1972), p.8.
9. Felix Reichmann, "Bibliographic Control of Microforms," *Microform Review* 1:279 (Oct. 1972).
10. Ibid.
11. Reichmann and Tharpe, *Bibliographic Control*, p.32.
12. Cole, "Bibliographic Control," p.214.
13. Ibid., p.212
14. Library of Congress, Processing Dept., "Statement on Access Points for Microforms," *Microform Review* 7:73-74 (March 1978).

15. Association of Research Libraries, "Grant Application RC-0093 to the National Endowment for the Humanities," March 12, 1979, as quoted in Information Systems Consultants, Inc., "Bibliographic Control of Microforms: Phase II Report," rev. April 30, 1980, 63p.
16. Information Systems Consultants, Inc., "Bibliographic Control of Microforms: Final Report," Oct. 1, 1980, 127p.
17. Ibid., p.95
18. W. Carl Jackson, "Bibliographic Access to Microforms," *Microform Review* 9:29 (Winter 1980).
19. It may not be necessary to eliminate or replace chapter 11. In those cases where the material is originally published and only available in microform, then chapter 11's edition theory could be used to catalog the work. *Anglo-American Cataloguing Rules,* 2d ed., Michael Gorman and Paul W. Winkler, eds. (Chicago: American Library Assn., 1978), p.232–46.

In the Iron Age of Cataloging

Stephen Van Houten

Cutter described the nineteenth-century history of cataloging as the golden age. This metaphor is extended to the twentieth century to elucidate current trends in cataloging, especially those involving the use of the computer. Does the automation of the catalog represent a technological advance that will free us from the difficulties of main entry and provide for Cutter's second object? It is argued that the cataloging tradition of Panizzi, Cutter, and Lubetzky will be even more valid, and that a better understanding of the principles of cataloging will be required in the future.

IN MYTHOLOGY, the Golden Age was "a period of serenity, peace, and eternal spring; . . . the Bronze Age, a period of strife; and the Iron Age, the present, a time of travail, when justice and piety have vanished."[1] In history, the Bronze Age was a "period in the development of technology when metals were first used regularly. . . . The development of a metallurgical industry coincided with the rise of urbanization, . . . [and] required the specialization of labor."[2] The Iron Age followed the Bronze Age and continued the "basic economic innovations of the Bronze Age."[3]

Cutter himself used the metaphor of the golden age to describe the history of cataloging in the nineteenth century.[4] The twentieth-century history of cataloging may be elucidated by extending this metaphor. The LC Cataloging Distribution Service may be seen to begin the bronze age of cataloging. A division of labor developed, as individual libraries integrated LC cards into their existing catalogs. Cataloging was no longer a cottage industry but became an industrial, urban enterprise. This centralization engendered strife over cataloging rules as each of LC's practices came under close and constant scrutiny.

The technology of the computer has caused some of the traditional practices of cataloging to be questioned. The ability to retrieve a record by various access points has raised doubts about the need for a main entry. To simplify the conversion of cataloging to machine-readable form and to enhance the sharing of this machine-readable data, descriptive cataloging practices have been altered to include punctuation that explicitly tags the elements of the catalog record. Lubetzky has asked whether some of these ideas represent an "ideological retrogression" from the tradition embodied by Panizzi, Cutter, and Lubetzky himself—whether current trends in cataloging may show a loss of justice and piety regarding these traditions.[5]

This paper from the School of Library Service, Columbia University, has been awarded the second prize in the *LRTS* Silver Anniversary Competition. The author, Stephen Van Houten, is also the PHILSOM (automated serials control system) librarian at the Medical Library Center of New York.

THE GOLDEN AGE

Still I can not help thinking that the golden age of cataloging is over, and that the difficulties and discussions which have furnished an innocent pleasure to so many will interest them no more. Another lost art.

—Charles Ammi Cutter, 1903[6]

Cutter hesitated to publish the fourth edition of his *Rules for a Dictionary Catalog.* The Library of Congress card service had begun, met with "great success," and wrought "a great change . . . upon the status of cataloging in the United States."[7] Knowing that this edition would serve librarians until LC could provide cards for all books to all libraries, he decided to publish a document that may be considered the culmination of the golden age to which he had referred.

More than fifty years before, Antonio Panizzi had defended a consistent set of rules for the compilation of the catalog of the British Museum. His rules are imbued with "one leading principle, that of fulness and accuracy."[8] Many of Panizzi's opponents felt that the rules were too numerous and complex. Others felt that the resulting catalog would be too elaborate and difficult to use. In the following words, Carlyle spoke eloquently for the simple finding catalog.

Elaborate catalogues are not what we require; but legible catalogues, accessible to everybody. The grand use of any catalogue is, to tell you, in any intelligible way, that such and such books are in the library. . . . I should expect it to be a simple thing enough to draw up a list of the names of the books, which would be a great help to the student.[9]

Panizzi agreed that a succinct catalog was a good one—but for a small collection.

The larger the library is, the more you must distinguish the books from each other, and consequently the more fully and more accurately you must catalogue them. . . . When I come to a great and national library, where I have the editions or works of "Abelard," I have a right to find those editions and works so well distinguished from each other that I may get exactly the particular one which I want.[10]

Panizzi recognized that the catalog entry must describe not only the physical item, the book, but the intellectual content, the work, as well.

A reader may know the *work* he requires; he cannot be expected to know all the peculiarities of different *editions;* and this information he has a right to expect from the catalogues. . . . A reader who knows only the title of the original work would look in vain in the catalogue for the translation, particularly if the proposed plan of short titles were adopted.[11]

He felt it necessary to do more than include this information in the description of an individual book, but also to arrange entries to bring similar works together.

In order to show the works of an author which the library has, the rules for arrangement—Rules 69–78—provide that all editions of a work follow the earliest edition. . . . Also, Rule 79 states that all editions and translations of one anonymous classic, The Bible, are to be entered under a uniform title.[12]

He provided for cross-references "from name to name, from name to work, and from work to work," to aid the reader in bringing together similar items entered under different headings.[13]

In formulating his rules, Cutter was indebted to Panizzi and Jewett, but "Cutter's goal was much broader. He dealt with the problems of locating a book by its subject and form as well as by its author and title; his was a general code applicable in all kinds and sizes of libraries."[14] In addition to setting out rules for compiling a catalog, Cutter wished to provide a sense of order and principle not previously brought to cataloging. While expanding on the rules of Panizzi and Jewett, Cutter distilled as concise and complete a statement of the objects and means of cataloging as could ever be set forth. It combines in fifty-nine words the purposes of both the finding catalog and the more complete catalog advocated by Panizzi.

> 1. To enable a person to find a book of which *either* (A) the author, (B) the title, (C) the subject, is known. 2. To show what the library has (D) by a given author, (E) on a given subject, (F) in a given kind of literature. 3. To assist in the choice of a book (G) as to its edition (bibliographically), (H) as to its character (literary or topical).[15]

The first object states the functions of the finding catalog. The second and third objects describe the collocation function, which is to display related items together in a systematic way and to aid in the patron's choice of these items. Cutter provides for the collocation function in the dictionary catalog to be met in four different areas in the rules: in the choice of author, title, and subject entries, and in the arrangement of the entries within the catalog.

Cutter defines the main entry as "the full or principal entry; usually the author entry."[16] He reinforces the primacy of the author entry by listing the rules for author entry first. The choice of author entry is made to bring together related works. Various editions and adaptations of a work are entered under the original author, with references or added entries made for the author of the secondary work. Twenty-two rules describe the part or form of a name under which the work should be entered. "The finding of all the books of a given author . . . can most conveniently be done if they are all collected in one place."[17] Cutter feels that the corporate entry fills an important collocational function, and that the corporate body is in actuality the author of its works. He recognizes the problems in determining the choice of heading for the corporate body. Despite this difficulty, Cutter so feels the importance of the corporate entry that he considers it a principle and provides fifty-one rules to aid the cataloger in the choice and form of entry for the corporate body.

Cutter provides several rules that collocate the title entries of related works. He brings together some works under uniform titles. Works that differ by title in various editions are entered under the original title.

Cutter exhorts the cataloger, when choosing subject entries, to follow general and systematic principles. "Decisions should be made to conform when possible to some general system, as there is then more likelihood that they will be decided alike by different catalogers, and that a usage

will grow up which the public will finally learn and profit by."[18] Cutter also discusses the need for cross-references that will relate the subject entries chosen into a systematic whole. "By a well-devised network of cross-references the mob [of subject-entries] becomes an army, of which each part is capable of assisting in many other parts. The effective force of the catalog is immensely increased."[19]

The arrangement of entries also promotes the collocation function of the catalog and increases the catalog's ability to order the collection. The general arrangement in a dictionary catalog is alphabetic, but Cutter provides rules for specific situations where the alphabetic arrangement may need to be explained more fully or to be mitigated by some other type of arrangement which better fulfills the collocation function. Some of these prescribed arrangements may differ from strict alphabetic order, but they bring together related headings and works in a logical order which enhances the usability of the catalog.

THE BRONZE AGE

The LC card service ushered in the bronze age of cataloging. What had once "furnished an innocent pleasure" now became a serious business. The theoretical issue of consistent cataloging now became an extraordinarily practical consideration. The availability of LC cataloging copy promoted, rather than ended, the discussion of cataloging rules. Because LC cataloging had become an ad hoc standard, every cataloging decision at LC was a potential source for controversy. To allay this controversy, rules were formulated for every detail, and the number of rules multiplied.

> Cutter's rules had multiplied also in their day, but, as he had pointed out, they all grew out of his brief statement of simple principles. . . . The reason for the expansion in 1941 was different. . . . Cooperative cataloging had increased; scholarly libraries over the country were contributing copy to LC.[20]

Cataloging had become "an elaborate technique whose sole aim was standardization."[21]

With the publication of *Cataloging Rules and Principles,* Seymour Lubetzky sought to return to the theoretical purity of the golden age. In the first chapter of this work, he examines the proliferating rules from the 1941 ALA code and in each case asks the same question, "Is this rule necessary?" In the third chapter, "Design for a Code," he strives to restate and reconcile the dual and conflicting objectives that Cutter had first formulated. Lubetzky recognizes that the work required to meet the second objective may be costly, but he defends it. "The second objective will continue to be recognized as important to the integrity and effectiveness of the catalog, and . . . it will be followed in the future to the extent that a library may find it reasonable and feasible."[22] Lubetzky notes that the "objectives are inherently in conflict, and the conflict is reflected in the vicissitudes of our rules,"[23] and asks "whether and how the two conflicting objectives might be reconciled."[24] Their reconciliation requires a consideration of the form of the catalog and the ease with which cataloging may be revised once it is incorporated into the catalog. He

reminds us, however, that "these objectives define the aim and the direction of our cataloging rules and should always be kept in view, even if they cannot always be fully attained."[25]

Lubetzky reemphasizes the importance of the main entry. Beginning with "the most important characteristic of the book, for the purposes of cataloging . . . that it is provided with a prominent identification tag in the form of a title page,"[26] he logically defends Cutter's two great principles, "that books whose authors are known should be entered under their authors and those whose authors are not known should be entered under their titles."[27] He discusses why author should be chosen over title as the principal entry. He points out that many titles are not distinctive enough to stand alone, "but are adequate as secondary clues under the names of the authors."[28]

The notion of main entry began as the single entry in a catalog or the only entry with full bibliographic information. Additional access points would refer the reader to the main entry and may also show abbreviated bibliographic information. Lubetzky confronts the issue of whether the "unit" card eliminates the need for main entry and finds that it does not, but "the luxuriant growth [of the use of unit cards] has demonstrated that the multiplication of entries is not an unqualified blessing."[29] He points out that the main entry for a serial is the only one with the contents, that book catalogs still eliminate or abbreviate added entries, and that union catalogs generally exclude all added entries. Lubetzky argues that the unit card "has given the main entry a new significance," which enhances the collocation function and contributes to the economy of maintaining the catalog.[30]

> In other words, the main entry provides that the works of an author and the editions of a work will stand together in the catalog not only under the name of the author but also under the added entries—editor, translator, subject, title, and series. This type of organization of the catalog is more satisfactory to its users and makes possible such features as the listing of all editions of a given work under the main entry and only the latest or best edition under the subject, title, and other added entries. The added entries are then stamped with a statement referring the reader to the main entry for a complete listing of all editions of the work in the library. This reduces the growth of the catalog and facilitates its maintenance.[31]

THE IRON AGE

The advent of the online catalog has brought us into the iron age of cataloging. The computer's power to process large amounts of data rapidly and the telecommunications technology that allows a user to be connected to a computer, though at a great distance, have caused some librarians to question prior cataloging practice and others to reaffirm it.

An automated database generally consists of a file of discrete source records and a dictionary, or several dictionaries, of terms that point to those records. These terms are extracted from source records when they are entered into the database and are used according to predefined search algorithms to retrieve these records. The computer's great power to store and process these terms allows many more terms to be assigned to

a record than in printed or card indexes or catalogs, and allows for a deeper indexing than found in these printed tools. Some systems allow these terms to be combined by logical operators, creating a greater flexibility of approach. When executing a search, the computer dynamically collocates the items and displays them for the searcher. Source records either match the search strategy, or they do not. The computer selects the retrieved items as a subset of the searchable database, separating them from the remaining source records. The problem is to design an automated catalog that uses these features of dynamic collocation and selection to aid the patron and the librarian in their use of the catalog and the collection. The controversy of the iron age is how to do this effectively and efficiently.

Although it is used in many libraries to produce catalog cards, the OCLC system was designed as an online catalog to be consulted by library users who would search on the terminal directly. Kilgour points out that the AACR catalog is incomplete and therefore not a good model for an online catalog.

> Essentially, an AACR catalog consists of an author catalog and a title catalog. The author catalog in AACR cataloging is an incomplete model from the user's viewpoint because it does not contain entries for every work in the library, such as anonymous works and those for which there are more than three authors. . . . The AACR title catalog is also incomplete, for there are a half-dozen exceptions, some of them pretty large exceptions, to entry under title or added title in AACR.[32]

Kilgour points out that each book must have a title, and the online catalog, therefore, may be viewed as a title catalog. Search keys constructed from the author and title fields during the entry procedure for a new record provide access to the record. The keys are constructed without regard for what will be chosen as the main entry. All author fields have equal priority, as do all title fields.

All the source records that yield the same key are collocated when that key is searched. They are selected from the remainder of the file to create a "miniature catalog," which may exist only once. The author keys produce miniature author catalogs; the title keys, miniature title catalogs; and the author-title keys, miniature author-title catalogs, "for which there is no comparable AACR catalog."[33] Kilgour states that these miniature catalogs are "complete," because the construction of the keys does not omit the exceptions of AACR.

He states further that there is no need to consider the question of main entry. Any of the predefined author or title fields yields the appropriate search keys. There is no distinction made between the main entry and an added entry. A computer can facilitate the processing of many more access points per source record than can easily be handled in a card or book catalog. Kilgour states flatly that because of this "multiple retrieval power of an online catalog, the concept of *main entry* is not useful."[34]

Malinconico presents an alternative approach to an automated catalog—an approach embodied in the NYPL Branch Libraries catalog. He discusses the difference between a file and a database, and how that difference relates to a library catalog.

A file, it should be recalled, in normal data-processing terms is nothing more than a collection of related physical records. A catalog, on the other hand, should manifest the attributes of a *data base.* That is, it is a file upon which a coherent logically consistent structure must be imposed from the outset, and control over it exercised during any activity against the data base. *Ad hoc* attempts to impose a rigorous structure will prove either impossible, or so expensive as to render the exercise impossible.[35]

Malinconico points out that the collocation function "is perhaps the most important, difficult to achieve, and least addressed by automated systems. . . . A library . . . represents a *collection,* or more precisely *collections* of works. . . . The catalog . . . must be capable of reflecting, and assisting in the maintenance of, these collections."[36] The added entry structure amplifies the collocation function of the catalog, because "it permits the collocation, in one sequence, of all items which partake of a particular organizational attribute. . . . It also permits the same item to take its proper place in several such sequences."[37] He reminds us of the importance of "fulness and accuracy," that the catalog

> must be capable of responding to a user's query in a manner which is complete in terms of the collection and which at the same time does not result in extraneous citations. It must also be capable of displaying the relationship among items in the collection.[38]

Malinconico sees that, while a computer is a powerful tool for the organization of data, it can obfuscate, rather than clarify, the bibliographic interrelationships of a library's collection. He notes that "*machine logic is of the most literal variety,*"[39] and that, for this machine logic to organize the catalog, "*the order must be imposed* . . . only by human intervention at the time of data creation."[40] He distinguishes between "organization of the data and methods of access," and observes that even flexible access procedures "cannot create an order that is not already intrinsic to the data."[41] He adds that, because of the literal nature of machine processing, typographical errors tolerable in a human-maintained catalog may compromise the intrinsic organization of the data in an automated catalog.

He suggests how to use the computer to aid in imposing the necessary order at the time of the data creation. The catalog source records can be linked to an authority file of headings. This can be used "to mechanically verify all headings used in bibliographic records. . . . The heading data need only be created and stored once, . . . [and all] bibliographic records [that] used it . . . would . . . do so with mechanical consistency," and automated control of this file can guarantee "a degree of internal consistency within the authority file itself not feasible in a manual system."[42] The storage of one heading linked to the source records to which it refers facilitates the changing of that heading in each individual source record. Malinconico shows how complete headings may be changed. He then extends this concept to show how portions of subject headings may be linked, so that all uses of a unit term—as a main heading, a subdivision, or in a cross-reference—may be kept consistent, and how blind cross-references may be suppressed.

CATALOGING FOR RETRIEVAL

Cataloging rules provide for the systematic representation of bibliographic data so that these data can be retrieved and displayed meaningfully to aid the patron in finding and selecting items within a library collection. To argue, as does Lipow, that input standards and retrieval standards should be distinct and that display options are somehow unrelated is to miss the fundamental point that input, retrieval, and display standards are the essence of cataloging rules.[43] The automation of the catalog should increase our ability to input, retrieve, and display meaningful bibliographic data in response to a patron's request.

In considering the essential elements of a bibliographic record, Weintraub notes that the first problem is to determine the functions of a bibliographic system. She lists four: the "finding list or identifying function, the gathering function, the collocating function, and the evaluative or selecting function."[44] For Weintraub, the gathering function is the bringing together of like items under the same heading, and the collocating function "consists of assembling related headings in a group."[45] Her gathering function is similar to the computer's ability to retrieve items that fit a certain search strategy, her collocation function, to scanning a thesaurus of terms to choose ones pertinent for a search. But the collocation function as discussed by Lubetzky is much more sophisticated than this. It orders the catalog entries and provides

> a pattern of integration of the entries designed to reveal to the user of the catalog the intrinsic relations of the materials in the library and thus help him/her to utilize the library's resources more fully.[46]

The concept of main entry is an important element in this notion of collocation. In Panizzi's and Cutter's rules, the main entry represents the place in the catalog where the fullest identification of a work is listed, or the only entry for a particular work. The card catalog, and especially the use of the unit card, allowed the full bibliographic information to be shown under the added entries without substantially increasing the size and maintenance problems of the catalog. Some felt this invalidated the notion of main entry, but Lubetzky reaffirmed its validity and showed how the unit card allowed the organizational function of the main entry to be carried to a deeper level within the catalog. The automation of the catalog, and online searching, have again led to the questioning of main entry. The bibliographic record may be represented only once in the online database. This record may be retrieved by various access points. Those who argue for the title unit entry point out that the judicious assignment of appropriate access points is enough to render an item retrievable. This argument is appropriate if our notion of the online catalog is one of an elaborate and powerful finding list. However, the collocation function, Cutter's second object, must also be served.

A library represents a collection of discrete items that are related to each other in various ways. Some items, such as different editions of a work, are related very closely, and may even be treated as identical bibliographically. Other works may be related in greater or lesser degrees. For the automated catalog to bring together related items, the

works within a collection must be identified systematically within the cataloging database. The primary identification of any work is its main entry, regardless of what access points are provided or what bibliographic element is chosen as the main entry. Cataloging rules, rules for input and retrieval of bibliographic database, must begin with this primary identification of the work, the main entry. Lubetzky notes that this "is really not the last decision; it should be the first."[47]

In an automated catalog, the flexibility of search techniques does not negate the need to identify a work systematically and to provide for a main entry. Indeed, the flexibility of approach may increase the need for a systematic identification of works. When a computer retrieves items according to a specified search strategy, it separates the collection into two distinct groups: those that satisfy the search and those that do not. If the search is very specific and only a few items are retrieved, it may not be necessary to order these items further. One may only need to scan the bibliographic data to choose the desired items. The retrieved items, however, are not necessarily unrelated to the items not retrieved. A more general search strategy will retrieve some of these items, but as the strategy is generalized, the relationship between any two items can become weaker. Retrieved items should be displayed to represent the varying interrelationships among them. The systematic identification of works by their main entries and the collocation of these works provide a basis for such a display.

The all-or-nothing approach to information retrieval embodied in Boolean logic may be inappropriate to an automated catalog. The book or card catalog organizes in a systematic way, whether as a dictionary or a classified catalog, the whole collection. The catalog may be used to retrieve a specific item or group of items, but, in the sense that the catalog organizes the collection, it may be said to retrieve the whole collection. This is accomplished through the maintenance of an authority system and the systematic identification of a work by its main entry. In automating the catalog, we should not give up this fundamental organizational function of collocation that is stated in Cutter's second object.

Both Kilgour and Malinconico claim their systems meet both the finding list and collocation functions stated by Cutter and Lubetzky. In OCLC, the system retrieves appropriate source items as a miniature catalog. Does the miniature catalog actually represent items with some intellectual interrelationship? What are the limits to the miniature catalog's ability to do so? The search keys constructed from an item consist of truncated elements of the author and title data that are defined to be searchable in an OCLC record. An author key retrieves all the works of a single author if and only if the author's name has been coded to agree with this key in an author field in all records of these works and the search key refers to only one author. The ability of a title key to collocate similar works is a function of where the desired title has been coded in the desired source records and whether the key refers unambiguously to only one title. OCLC receives data from many sources, and the cataloging data reflect that diversity. It would be impossible and undesirable to impose a rigorous authority system as described by Malinconico onto the OCLC database. But there are problems with the OCLC retrieval algorithms

that even the imposition of a single authority system will not solve.

To search for various editions or adaptations of James Agee's *A Death in the Family,* one may try three approaches: the author key *AGEE,JAM,;* the title key *DEA,IN,TH,F;* and the author-title key AGEE,DEAT. The most specific key, the author-title key, does not retrieve *All the Way Home,* Tad Mosel's dramatic adaptation of *A Death in the Family.* Nor does the title key, although it retrieves, in addition to *A Death in the Family,* several other works entitled *Death in the F . . . ,* and one edition of *Dombey and Son,* by Dickens, entitled *Dealings in the Firm of. . . .* Neither the OCLC author-title catalog nor the title catalog is complete, because they do not retrieve a work that should be listed in these two miniature catalogs by means of an added entry. The author key retrieves this item but does not display it initially as being related to *A Death in the Family,* but as

Agee, James, All the way home: a play, [New York, 1963].

One must call up the full MARC record for this item to discover that the main entry is Mosel, Tad; that Agee, James, *A Death in the Family* is an added entry; and that the subfield *t* of the 700 field is not indexed for a title search key. The card catalogs of the OCLC participants that have used this record provide a better bibliographic organization than do the online search functions of the OCLC database.

The concept of the search key and its resulting miniature catalog contains a logical inconsistency that negates Kilgour's notion of the complete catalog. An upper limit has been placed upon the number of items retrievable by a search key. The limit of 256 has recently been increased to 1,500. All search keys that retrieve more than the upper limit of items drop out of the retrieval process. As the number of discrete records in the OCLC database increases, the completeness of its miniature catalogs will diminish each time a search key retrieves more than the maximum number of records and therefore becomes unusable. AACR does not provide for entry under a nondistinctive title, because such a title entry would clutter the file at that access point and be unusable. In OCLC nondistinctive titles are irretrievable because there are more than 1,500 items. The arbitrary and subjective AACR rule has been replaced by an objective and also restrictive function of OCLC's system design. This feature of OCLC shows the validity of rather than gainsays the AACR rule. The present search enhancements allow the searcher to specify a format or range of dates as part of the search key. In this way, miniature catalogs of more than 1,500 items may be split up to allow for the ultimate retrieval of any item within the OCLC database. This does not, unfortunately, negate the point above. This retrieval algorithm, rather than facilitating the collocation function, hinders it by splitting the miniature catalog by format and date of publication. This division does not allow for the bringing together of various editions, translations, and adaptations of the same work. Consider trying to collocate all works, editions, translations, adaptations, sound recordings, and scores of or based upon Shakespeare's *Othello.*

An automated catalog based upon the main entry identification of works and an authority file of headings rather than being restrictive

could provide a flexibility of approach by linking related works and allowing the patron to follow through on these linkages. The authority file provides a thesaurus of terms to guide the searcher. Online interaction between the searcher and the catalog can prompt the searcher to follow through the links between works as the computer collocates appropriate items. Well-designed retrieval algorithms can make these links explicit, while in the card catalog the overall organization may escape the library user.

The book catalog, the card catalog, and the automated catalog have provided different means of access to the growing library collections over the past 150 years. The card catalog provided more flexible access than the book catalog. In many large libraries the card catalog has grown too large to be maintained adequately at a reasonable cost. The tactics of superimposition and desuperimposition compromised the maintenance of the catalog because of the prohibitive cost of the recataloging that would otherwise have been required—the first by retaining an older and less desirable style of heading if it had already been established; the second by retaining this older heading, while also establishing the newer-style heading and creating two files for works that should have been collocated. If a library catalog can be considered a living organism, closing it admits that today's catalog is too ill to cure and should be retired to a sanatorium where it can linger on and finally die.

The computer is the only tool we have now that can help us to catalog the growing library collections and keep those catalogs healthy. Its vast power to process data can save us from the mistakes of the past, but only if the automated cataloging systems are carefully designed and the individual cataloging records are authoritatively constructed. We may be able to do away with arbitrary cataloging rules which restricted author entry to works of three or fewer authors, or denied title entry to works deemed to have nondistinctive titles. To discontinue arbitrarily restrictive practices is one thing; to allow sloppy cataloging and imprecise, inaccurate retrieval is another. Cataloging presents difficult problems in describing systematically the intellectual records of humanity. The tradition of Panizzi, Cutter, and Lubetzky has continually exhorted the librarian to confront and resolve these problems, not to shrink from them. If we disregard this tradition when designing automated catalogs, we will surely find ourselves in an iron age. We need a better understanding of the principles of cataloging if we are to continue to provide full and accurate library catalogs. If we fail to do so, we will not justly and properly serve the library patron.

References

1. *The New Columbia Encyclopedia,* s.v. "Age."
2. Ibid., s.v. "Bronze Age."
3. Ibid., s.v. "Iron Age."
4. Charles A. Cutter, *Rules for a Dictionary Catalog,* 4th ed., rewritten (Washington, D.C.: Govt. Print. Off., 1904), p.5.
5. Seymour Lubetzky, "Ideology of Bibliographic Cataloging: Progress and Retrogression," in Maurice J. Freedman and S. Michael Malinconico, eds., *The Nature and*

Future of the Catalog: Proceedings of the ALA's Information Science and Automation Division's 1975 and 1977 Institutes on the Catalog (Phoenix, Ariz.: Oryx Pr., 1979), p.5–19.
6. Cutter, *Rules,* p.5.
7. Ibid.
8. Great Britain, Commissioners Appointed to Inquire into the Constitution and Government of the British Museum, *"Report; with Minutes of Evidence,"* London, 1850, quoted in Nancy Brault, *The Great Debate on Panizzi's Rules in 1847–1849: The Issues Discussed* (Los Angeles: School of Library Service and the University Library, University of California, 1972), p.10. Additional quotes from the "Report" found in Brault will be cited as from Brault.
9. Brault, *The Great Debate,* p.34.
10. Ibid., p.46–47.
11. Ibid., p.50.
12. Ibid., p.48.
13. Ibid., p.87.
14. Paul S. Dunkin, *Cataloging U.S.A.* (Chicago: American Library Assn., 1969), p.5.
15. Cutter, *Rules,* p.12.
16. Ibid., p.21.
17. Ibid., p.31.
18. Ibid., p.66.
19. Ibid., p.79.
20. Dunkin, *Cataloging U.S.A.,* p.11.
21. Ibid., p.12.
22. Seymour Lubetzky, *Cataloging Rules and Principles; A Critique of the A.L.A. Rules for Entry and a Proposed Design for Their Revision* (Washington, D.C.: Processing Department, Library of Congress, 1953), p.37.
23. Ibid.
24. Ibid., p.38.
25. Ibid., p.41.
26. Ibid.
27. Ibid., p.42.
28. Ibid., p.43.
29. Ibid., p.59.
30. Ibid., p.43.
31. Ibid., p.59.
32. Frederick G. Kilgour, "Design of Online Catalogs," in Maurice J. Freedman and S. Michael Malinconico, eds., *The Nature and Future of the Catalog* (Phoenix, Ariz.: Oryx Pr., 1979), p.35–36.
33. Ibid., p.38.
34. Ibid., p.39.
35. S. Michael Malinconico, "The Library Catalog in a Computerized Environment," in Maurice J. Freedman and S. Michael Malinconico, eds., *The Nature and Future of the Catalog* (Phoenix, Ariz.: Oryx Pr., 1979), p.47.
36. Ibid., p.48.
37. Ibid.
38. Ibid., p.49.
39. Ibid., p.50.
40. Ibid., p.51.
41. Ibid.
42. Ibid., p.53.
43. Anne Grodzins Lipow, "The Catalog in a Research Library and Alternatives to It," in Maurice J. Freedman and S. Michael Malinconico, eds., *The Nature and Future of the Catalog* (Phoenix, Ariz.: Oryx Pr., 1979), p.240–56.
44. D. Kathryn Weintraub, "The Essentials or Desiderata of the Bibliographic Record as Discovered by Research," *Library Resources & Technical Services* 23:392 (Fall 1979).
45. Ibid.
46. Seymour Lubetzky, "The Traditional Ideals of Cataloging and the New Revision," in *The Nature and Future of the Catalog* (Phoenix, Ariz.: Oryx Pr., 1979), p.155.
47. Ibid., p.164.

Problems of Cataloging and Classification in Theater Librarianship

Lee R. Nemchek

Problems in cataloging and classifying theater resources have significantly contributed to the difficulties of theater librarianship. The unsuitability of major existing classification systems for use with theater collections has prompted librarians to seek alternatives to these systems, such as modifications and original theater classifications. Additionally, collections of nonbook, or "fugitive," theatrical memorabilia are practically impossible to catalog properly, given the desperate financial situation facing many theater collections. Survey data on current practices indicate a strong trend toward standardization of procedures in classifying, yet a continuing diversity in cataloging methods. The coming of computer technology to theater librarianship, along with increased awareness among theater librarians and input from concerned professional organizations, may help alleviate some of these problems in the future.

THEATER LIBRARIANSHIP is one of the library profession's oldest specializations. Precious memorabilia, such as programs, playbills, ticket stubs, and autographs, have been collected by theater lovers through the ages; however, for all but a small number of celebrated personal collections, it is very difficult to trace the movement of these fugitive materials through time.

> In the past the theatre, except as literature, had no particular standing with scholars or historians. Its records slipped into museums, libraries, government archives, historical societies, the store-rooms, cellars and attics of old theaters—and were forgotten.[1]

Fortunately, "with the turn of the century, the entrance of the artist into the theatre, and its rebirth as a visual art . . . a fresh theatre consciousness came to life, spread over Europe and America and even penetrated library, museum and university."[2] The recognition of theater as a valid field of study in universities precipitated an increase in significant research in the field, which ultimately led to the need for organized library collections of theater materials.

Today, theater resources are scattered the world over, some inaccessible to the public, many suffering from lack of funds, space, personnel, and/or interest. The predicament of having an abundance of specialized

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Lee R. Nemchek is now a librarian at the law offices of Irell and Manella, Los Angeles. Her paper, written when she was a student at the School of Library Science, University of Southern California, has been awarded third prize in the *LRTS* Silver Anniversary Competition.

riches housed in a multitude of places, coupled with dwindling supplies of financial support, has made theater librarianship extremely problematic. Perhaps most frustrating has been the task of devising and implementing workable systems for cataloging and classifying theater collections. This paper examines the limitations of existing classification schemes for use with theater collections, past attempts to develop special systems, patterns in cataloging nonbook theatrical memorabilia, and current trends toward standardization.

THE PROBLEM WITH CLASSIFICATION SCHEMES

"The performing arts form a relatively small corner of the universes of all but those who practice them: but they are singularly prone to resist ordering."[3] This is especially true for fugitive materials, "a most descriptive adjective if we recall its root 'fugere'—to flee! In some collections, all attempts to 'capture' and control ephemera have failed."[4] The founders of organized librarianship did not foresee the technological and artistic advances which have taken place in the various performing arts; consequently, theater librarians and patrons have suffered from the built-in inadequacies of early classification systems.

For example, the Dewey decimal classification and its derivatives have been criticized for committing "the cardinal sin of rigidly separating theatre as a mere 'recreation' from drama, which [is] duly sandwiched between each country's poetry and prose fiction as an aspect of 'literature.' "[5] Other early systems placed theater in more inclusive categories, such as literature, expressive arts, or fine arts.[6] The subject was, therefore, treated only generally, with little attention paid to the unique features which distinguish theater from other related, but also unique, subject areas.

Given these limitations, theater librarians generally follow one of four courses of action: (1) the collection remains unclassified; (2) an existing classification scheme is endured in its original form, however unsuitable; (3) a scheme is modified to meet the needs of a specialized theater collection; or (4) an entirely new classification for theater collections is devised. Whereas choices for (1) or (2) above generally impose hardships on all library users,* modified and original theater classifications have proven either extremely useful or totally unsuccessful in various applications.

Modifications of existing classification schemes are usually developed to solve one library's particular problems. For example, a theater collection within a general library may modify the theater section of the scheme already in use. Provision is thereby made for specialized materials without disrupting either the integration of the library's collection or the consistency of its classification. In the case of a theater/performing arts library (as opposed to a collection within a library), the choice of which scheme to adopt, even before modification, will be the first order of business. The choice may depend upon which scheme the cataloger is most familiar with, which is judged to be the most familiar to the library's patrons, and which seems to have the most flexibility and the fewest

*The many important collections of fugitive materials that are not classified but are instead cataloged and indexed are not included in this criticism.

gaps. The degree of change which the chosen scheme will undergo is then subject to further considerations, such as the various physical forms of the library's holdings, the subject areas needing coverage, and the resourcefulness of the cataloger. Since efforts to devise suitable schemes have not yet been extensively coordinated, a multitude of theater collections exist which use individually designed adaptations and modifications.

A few of these adaptations have been published. For example, Kahn arranged all books on theater under a form of Dewey which expanded the number 792 into nine decimal categories, 792.1 to 792.9.[7] (Squeezing the many diverse aspects of theater under only nine subject headings would be unsatisfactory today.) Another librarian adapted Dewey by utilizing numbers which had been left vacant and by creating additional numbers where Dewey had used one number for two subjects.[8] These are simple modifications, necessitating the least degree of deviation from a recognized scheme. Other published adaptations are comparatively more complex and better suited for specialized performing arts libraries.

Using Dewey as a base, the Museum of Modern Art Library made its call numbers into two-digit sequences. Since all the materials in the collection would be classed within the 700s, the "7" is dropped. Class marks between 70 and 90 are reserved for film subjects, the 90s include both theater (90.0–90.9) and dance (91.0–99.7), and both decimal notations and Cutter numbers are used.

> The Cutter number . . . becomes a class mark which permits free intercalation. The number consists of the first two letters of the subject followed by two Cutter numbers. The full call number for a book on animation by Disney would read
>
> 84 [the class mark for "Technique"]
> AN54 [for "Animation"]
> D26 [for the author][9]

Fugitive items are incorporated directly into the classification. These include pictorial works, photographs, and illustrations; programs; reviews and scrapbooks; scenarios, screenplays, and scripts; souvenir books; and photo books.

The Juilliard School Library's scheme is an interesting alteration of the Library of Congress schedules.

> We have moved dance from its former location in the GV's to NN and NP. The resulting juxtaposition of the visual and theatrical arts seems more appropriate than the former association of dance and recreation, particularly in the setting of a school for the performing arts. For the same reason we have weakened the tie between books on the theatre and dramatic literature by shifting the former from the P's to the N's. . . . Thus, both dance and drama stand side by side with architecture, painting, etc.[10]

Ironically, the resulting scheme, which recognizes important relationships among various art forms, brings about the separation of theater and drama, a situation often regarded as unsatisfactory, as noted above. On the positive side, the scheme provides for fugitive materials in various formats along with books and periodicals.

Original theater classifications are sometimes developed when all ex-

isting alternatives prove unsuitable. In many cases, these schemes are designed for a particular library and are never published or otherwise publicized.[11] Within the last forty-one years, three original schemes, intended to help solve classification problems in theater librarianship on a universal level, have been published.[12] None has ever been used in a library.[13]

Mary Ambler's *Classification System for Theatre Libraries* is well written and scholarly. She compiled the scheme by studying and applying, first, the general principles of library classification, and, second, the special principles of classification that apply to theater as a field of knowledge.[14] The schedule, which divides all theatrical material into four areas covering buildings and architecture, plays and drama, personnel, and stagecraft and production, is numerical, running in order from 0001 to 1535, with vacant numbers for collection growth. Expanded sequences are created by adding lowercase abbreviations and/or by adding one or more numbers to a base number. For example, the texts of plays for special holidays are classed 0870 and arranged first alphabetically according to the holiday, then according to the type of drama and/or form of presentation. A Christmas puppet comedy would be 0870ch6652. The 66 is taken from 0866 for puppets and marionettes (form), and the 52 from 0852 for comedy (type). The order of 66 and 52 is reversible, "depending upon whether the library is more interested in the idea of the puppet play or the comedy."[15] Fugitive materials provided for by the classification include scrapbooks, pictures, portraits, letters, journals, memoirs, programs, promptbooks, advance and press notices, advertisements, and tickets. The scheme may be used independently or may be inserted in the theater section of a general scheme to provide necessary detail.

Antony Croghan's classification for the performing arts has been described as "of labyrinthine notational complexity. So busy was it with ferreting out facets, base-metalled lodestone of librarianship, that it was very little concerned with the relationships between subjects, and still less with balancing rigorous comprehensiveness with a pragmatic recognition that some subjects get many more books written about them than others."[16] The classification covers drama, ballet, opera, film, television, and radio, and the philosophy behind it "insists that all aspects of one performing art, . . . have more in common with each other than they have to any aspects, no matter how seemingly alike, of any other performing art."[17] A number for a particular book is formed by adding together, in a designated sequence, numbers, letters, and symbols which represent facets—concepts that are common to the literature of the field, such as form of art, space, time, architecture, style, etc. Further detail may be supplied by adding Cutter numbers and notation from another classification. Provision for fugitive materials is made under the facet "physical form." Unfortunately, the scheme is not practical for library use. The combinations needed to describe many works are lengthy and confusing, e.g., Q420173nG99/41, for plays by David Garrick, and bjn45(355.1)-35, for a book on the history of Scottish army costume. There is no mention of how books with these sorts of call numbers are to be shelved, and the index to the classification is poor. It is doubtful that

this scheme would ever be adopted by a theater library because of these tremendous drawbacks.

Simon Trussler's classification for the performing arts takes up where Henry Bliss left off, literally and philosophically. Whereas Bliss' *System of Bibliographic Classification* placed drama and theater at the end, Trussler uses these subjects as his starting point, expanding the scheme to include most forms of dramatic, popular, and recreational entertainment (excluding nondramatic music).

> The classification distinguishes twenty-six main subjects or 'classes,' each class designated by a letter of the alphabet. Within each class, the alphabet is repeated to allow for twenty-six categories. [AA-AZ, BA-BZ, etc.] . . . On occasion this system is expanded to three or even four letters. . . . The conscious effort at all times is to follow the principle of collocation set forth by H. E. Bliss . . . : 'bringing of relevant subject-matters into valid and significant relationships.'[18]

Three "systematic schedules" provide further detail for classifying by form (history, biography, periodical, etc.), by categories appropriate to the study of theater history (theater, performers, dramatists, directors, etc.), and by geography.

The scheme is both comprehensive and flexible. It is free of complex notation, e.g., HHL4[Menken], for biographies of Ada Isaacs Menken. HHL is a class number for history and criticism of American drama and theater of the later nineteenth century; 4, taken from schedule I, signifies biographies; and the full name of the subject (person, location, theater, organization, etc.) is given to indicate preferred filing order if other than by the author's surname. The one conspicuous omission in the scheme is a notation for fugitive materials. A logical place for such notation would be within schedule I, the classification by form. Alternately, Ellis suggests the addition of a schedule IV, and, following Trussler's structure, offers a most inclusive list of formats using twenty-six lowercase letters.[19]

Problems in Cataloging Fugitive Materials

Cataloging theater collections becomes problematic when dealing with large quantities of unclassified fugitive materials.

> The cataloguer of theatrical material has to anticipate every aspect of the many-faceted subject. For example, an enquirer checking on the history of a particular performance of a play may be interested in only one area which could be that of producer/director, actor, playwright, stage designer, stage design, theatre company, theatre building or period. Ideally, especially when dealing with ephemera such as a photograph or programme containing an amalgam of some of the above details, each separate entity should have a catalogue entry, with appropriate cross-references.[20]

Detailed cataloging of this sort is nonexistent in most theater libraries due to the time and expense required to achieve it. The problem is further compounded by the lack of standardized processing procedures. A theater collection of fugitive materials could include both printed and pictorial items, documenting performances of many plays, from many locations and time periods, in several formats, of irregular sizes, and in varying degrees of deterioration. When all of these types of materials (and others) are combined in one subject collection, a method of organi-

zation is needed which considers each format separately, according to its purpose and use, yet also performs a unifying, integrating function. There are numerous articles which describe how individual theater collections have tackled their organizational problems.[21] Yet the abundance of descriptive reporting which exists in theater librarianship has perhaps encouraged diversity, rather than conformity, in the field.

The most authoritative guide on the care and cataloging of fugitive theatrical material in this country remains George Freedley's article of 1936, which describes and illustrates the method used by the Theatre Collection of the New York Public Library.[22] The literature suggests that in a few countries theatrical documentation is regarded as a science and that standardized documentation codes are absolutely essential in meeting the requirements of modern theater research.[23] Toward this end, some exciting progress has been made. For example, *Guidelines for Describing Unpublished Script Materials* was issued in 1974 as a recommendation of the Documentation commission of the Fédération internationale des archives du film (FIAF) to member archives.[24] The establishment of such guidelines recognized "a special need for a standard way of describing materials for which we have no common terminology from country to country."[25] At the time of issuance, there were forty-two member archives in FIAF, representing over thirty countries; however, it was stated that, "as no archives have yet completed cataloging their holdings according to the Guidelines, and only two archives have begun to do so, it may be anticipated that . . . an international catalogue is still many years in the future."[26]

The major obstacles preventing standardization appear to be money and time. Few libraries can afford to follow Freedley's and Lee's prescriptions for cataloging and preservation, which require continuous expenditures for special supplies and storage facilities, and painstaking analytic indexing and cross-referencing.[27] Even if funds and staff were available, compiling a quality catalog could take years, depending upon the size of the collection. Consequently, it is not surprising that theater librarians take shortcuts wherever possible, and ultimately end up with cataloging systems which may be less than adequate in providing access to the riches actually available.

Analysis of Past and Present Survey Findings

The results of various surveys provide a clear picture of how theater collections have been, are being, and most likely will continue to be cataloged and classified in libraries and other institutions.

As part of the study discussed above, Ambler sent a questionnaire to sixty institutions which were known to have or which might have had theater libraries. Of thirty-seven respondents, twenty indicated that they had a theater library. Thirteen of those twenty libraries were at least partly classified, and every classification but one was specially designed. The one exception was using a modified Dewey.[28] Two years later, in 1941, the Theatre Section of the New York Public Library conducted a survey with respect to the cataloging of scripts.[29] Twenty-two letters were written, and twenty-one answers were received; only three respondents stated that they not only possessed script material but also cata-

loged it according to an organized system (which was different for each of the three libraries). Seven years later, NYPL pioneered in creating a catalog for its dance collection.

> There were no rules for cataloging any of this kind of material when the collection was begun in 1944. . . . In trying to work out a cataloging style and a set of rules for my staff in 1948, I found there were four different ways of cataloging prints in New York's museums and libraries, and five different styles for cataloging letters within the various collections of the New York Public Library alone.[30]

Finally, in a recent critical examination of theater librarianship in England, ten collections were visited. One had "no scheme in use," one, holding only plays, was arranged alphabetically, and one had begun a rough geographical/chronological scheme. Of the remaining seven, one successfully uses Bliss, one uses a very old Library of Congress edition (1915), and five use some form of Dewey. The Dewey scheme was variously described as "awkward," "well amended," "much adapted," and "complete re-use" (i.e., modification beyond recognition).[31]

The statistics gathered for the present study indicate a continuing trend toward standardized classification systems on the one hand, and a continuing diversity in cataloging procedures for theatrical memorabilia on the other. An original questionnaire concerning methods used for cataloging nonbook theatrical memorabilia (see appendix A) was mailed to the chief administrators of forty theater collections in the United States.[32] Twenty-six answers (65 percent) were received. All respondents were then contacted by telephone and questioned about the schemes used to classify book materials in their collections. Excluding one collection which holds only books, the relevant findings with respect to current practices in cataloging theatrical memorabilia appear in table 1.

TABLE 1

SURVEY RESPONSES FROM THEATER LIBRARIES BY FREQUENCY AND PERCENTAGE

	Number of Affirmative Responses (n = 25)	Percentage
1. We have no complete accessing tools to the nonbook items in our collection	22	88
2. Our cataloging system was designed by the library staff for our particular collection	22	88
3. We consulted with other theater libraries about their systems before designing ours	9	36
4. We adopted a pre-established system for our collection	6	24
5. We researched cataloging systems for theater/performing arts libraries in the professional literature before designing ours	3	12
6. A standardized method of cataloging theater/performing arts materials would be of value	17	68

The prevalent practice appears to be handling memorabilia as each library sees fit for its particular collection and users, although six libraries indicated that they also borrowed from preexisting systems. These include AACR for manuscripts and archives, the NYPL Theatre Collection subject headings, and the American Film Institute's system for sorting and storing movie stills. The reply received most often with regard to access is that individual items are not cataloged. Lack of time, money, and/or staff is often cited as a reason:

I try to make some sort of card entry for all people and films on which we have [materials]. But not every *item* is cataloged, only the folder.

We shall eventually catalog our scrapbooks conventionally, but how I wish I had the personnel to analyze them.

I have over fifty years of different non-standard methods to deal with and little time, less money and no staff to do it with.

The majority of respondents (68 percent) indicated a desire for standardized cataloging procedures, and three others stated that standardization would possibly be a good idea, depending upon the size and scope of the collections involved. However, healthy skepticism was also expressed in comments such as this one:

I cannot imagine one standardized method of cataloging which would be suitable to so many different kinds of materials and useful for libraries whose users are undoubtedly also very diverse.

If the problem of cataloging nonbook theater collections is serious enough to warrant sweeping changes in the field, how will these changes be effected? Many theater librarians believe computer technology will provide the solution. One respondent stated that "nothing final will be done about cataloging until computerization. There is simply *no other* adequate manner in which to provide adequate, swift response to cross questions concerning our 10 million plus items." This same librarian described a future utopia for theater librarianship utilizing "a computer bank with a standardized world-wide system with input from all major sources linked to one system."

Experiments with computerization have already begun. In the United States, there is the work of the New York Public Library in computer-producing book catalogs for its performing arts collections.[33] The Theatre Museum in Great Britain has engaged in a computerized pilot scheme aimed at cataloging a collection of designs and engravings.[34] Perhaps the most exciting projects to date have been carried out in Rumania, where an automated national documentation and record system in the field of culture and the arts has been set up. This data bank contains the characteristics, records, and addresses of documents presently housed throughout Rumania. Additionally, the Rumanians have tried documenting the activities of a particular theater company by computer. The experiment planned to put all documentation collected by the Youth Theatre in Piatra Neamt on to a computer and to access it by means of a controlled vocabulary. "If successful, the Youth Theatre would probably be the first theatre in Rumania and possibly in Europe to have its documentation placed on computer."[35]

The financial predicament of most theater collections will prohibit standardized computerization in the near future; however, the field need not stagnate in the meantime. One survey respondent suggested using "published cataloguing formats that would be interchangeable" as an alternative. It is probable that even such transitional cataloging systems will not be problem-free.

Excluding two collections which hold no books at all (and which do not classify their fugitive materials), the data with respect to classification systems are summarized in table 2. The trend toward standardization is most evident when the data from Ambler's survey of 1939 are compared with the current data. Of the twenty theater libraries examined in Ambler's survey, 60 percent were classified, one collection (5 percent) was partially classified, and the other 35 percent were unclassified. All of the twenty-four libraries with book collections reported that the collection was classified in response to the 1980 questionnaire. Whereas 92 percent of the collections surveyed in 1939 were classified by a specially designed system, only eight, or 33 percent, reported the use of an original scheme either alone or in combination with LC in 1980.

TABLE 2

CLASSIFICATION SCHEMES CURRENTLY USED IN THEATER LIBRARIES

	University Collection n = 12	Public Library Collection n = 4	Institutional Collection (Museum, Historical Society, Gov't. or Other Agency) n = 8	Total n = 24
Own original system	2	1	2	5
Own original system and LC	2	—	1	3
LC	5	—	—	5
Modified LC	—	—	3	3
Dewey	—	2	1	3
Modified Dewey	—	—	1	1
LC and Dewey	3	—	—	3
LC and modified Dewey	—	1	—	1

These statistics, along with the previous discussion of classification schemes, suggest that original schemes for theater and/or the performing arts have not solved classification problems in theater librarianship. Those schemes that have been developed in recent years remain unused, and libraries that once used their own schemes are gradually switching to one of two major systems. The choice to make do with or modify existing systems probably has much to do with the enormous expenditure of funds, time, and personnel required for reclassification to a special scheme. In general, "reclassification is an undertaking to go into only when there seems to be no other choice."[36] Robert Steele's observations about the nature of librarianship seem particularly apt: "[Theater] is going to be fitted into dusty, quixotic, and hamstring classification systems. Only the mass annihilation of almost all libraries over the nation would clear the way for a more logical and emancipating system."[37] He goes on to suggest a future solution to the problem through *conformity:*

The work to be done is to cooperate [in fitting theater] . . . literature into both major existing systems [Library of Congress and Dewey] in such a way that apart from the differing notation numbers, a structure as similar as possible is present in classifying and shelving collections. . . . Moving toward more and more conformity will result in expediency in using books everywhere.[38]

Conclusion

This paper has endeavored to draw attention to the various factors which have created the existing situation in theater librarianship with respect to cataloging and classification. In many ways it is a less-than-ideal situation. No professional librarian would consider opening a library for public use with shelves full of unclassified and uncataloged books. Yet this is essentially what many theater collections offer and expect their patrons to accept, although much more frequently with nonbook materials. Fortunately, future indicators point toward standardization of procedures and unification of resources in theater librarianship through computerization.

Perhaps the most urgent needs required for achieving these goals are increased awareness and dialogue among theater librarians and practitioners and the leadership of professional organizations in setting and upholding standards. The survey results show that only 36 percent of the respondents consulted with other theater/performing arts libraries before designing their cataloging systems, and only 12 percent consulted professional literature on the subject. These statistics do not indicate an optimum level of professional awareness. Any attempt at standardization will only be successful if a considerable measure of support is given the program, and support will not be forthcoming if theater librarians aren't sufficiently informed. The most important input must come from influential organizations such as the Theatre Library Association (TLA), FIAF, and the Theatre Section of the International Federation of Library Associations (IFLA). TLA is currently sponsoring a study which seeks "for the first time to develop a body of data about performing arts collections which can be used in decision-making at both the individual collection level and the national level."[39] A comprehensive questionnaire is being circulated to theater collections which asks for information about their materials, services, and capabilities and also about the attitudes of administrators concerning future directions. Among the many important outcomes of this research will be analyses of statistical, procedural, and attitudinal data to be used by TLA committees in their study of cataloging practices, automation, and standardization of terminology. Although the field will probably remain problematic for some time, work such as this guarantees a brighter future for theater librarianship in general and increases the probability that special subject cataloging and classification will one day be a matter of course instead of a cause of aggravation and exasperation.

References

1. Rosamond Gilder and George Freedley, *Theatre Collections in Libraries and Museums: An International Handbook* (New York: Theatre Arts, Inc., 1936), p.2–3.
2. Ibid., p.3.

3. Simon Trussler, *Classification of the Performing Arts* (London: Commission for a British Theatre Institute, 1974), p.iii.
4. A. M. Johnston, *Theatre Librarianship* (Sheffield: Univ. of Sheffield, 1979), p.24.
5. Trussler, *Classification,* p.v.
6. Mary Elizabeth Ambler, *Classification System for Theatre Libraries* (Chicago: Univ. of Chicago, 1939), p.39.
7. Ann Mary C. Kahn, ed., *Theatre Collections: A Symposium* (London: Library Assn., 1955), p.7-9.
8. Johnston, *Theatre Librarianship,* p.35.
9. New York City Museum of Modern Art Library, "Film and Theater and Dance Classification," *Unabashed Librarian* 4:11 (Summer 1972).
10. Bennet Ludden, "The Dance Classification System of the Julliard School Library," *Theatre Documentation* 1:21-22 (Fall 1968).
11. The original systems of the Ohio State University theater collection and the New York Public Library's reference collections are unusual exceptions. See Jack W. Hunter, ed., *The OSU Theatre Collection Handbook,* 2d rev. ed. (Columbus, Ohio: Ohio Univ., 1959), and New York Public Library, *Classification Schedules for Printed, Microcopy and Phonorecord Materials in the Reference Department,* 2d ed. (New York: New York Public Library, 1955).
12. Ambler, *Classification System;* Antony Croghan, *A Faceted Classification for an Essay on the Literature of the Performing Arts* (London: The author, 1968); Trussler, *Classification.*
13. Ambler's system is mentioned once in the literature, and then only as a "frame of reference"; see George Freedley, "Teaching Theatre Librarianship," *Journal of Education for Librarianship* 2:24 (Summer 1961). Johnston, *Theatre Librarianship,* p.36-39, mentions only the schemes of Croghan and Trussler stating "neither are in operation in a library."
14. Ambler, *Classification System,* p.48.
15. Ibid., p.67.
16. Trussler, *Classification,* p.v.
17. Croghan, *Faceted Classification,* Preface (unpaged).
18. James Ellis, "A Taxonomy of the Theatre: Simon Trussler's *A Classification for the Performing Arts,*" *Theatre Research International* 1:216-17 (1975).
19. Ibid., p.222.
20. Johnston, *Theatre Librarianship,* p.24-25.
21. See e.g., Joyce Duncan Falk, "The Theatre Institute of Barcelona," *Special Libraries* 69:120 (March 1978); Barbara J. Kaiser, "Resources in the Wisconsin Center for Theatre Research," *American Archivist* 30:484 (July 1967); Helen D. Willard, "Shakespeare in the Harvard Theatre Collection," *Wilson Library Bulletin* 38:641-42 (April 1964).
22. Gilder and Freedley, *Theatre Collections,* p.148-59.
23. Marie Geiser, "Documentologie théâtrale: l'application d'un concept intégral de gestion et d'animation des collections théâtrales," *Documentation et bibliothèques* 21:203-13 (dec. 1975); Cécile Giteau, "Arts de spectacle et documentation: Perspectives actuelle," *Association des bibliothécaires français. Bulletin d'informations* 91:66-69 (2d quartier 1976); Valeriu Moldoveanu, "Informatica si teatvul," *Probleme di informare si documentare* 7:1004-39 (dec. 1973); André Veinstein and Cécile Giteau, "La Documentation iconographique théâtrales: Code de catalogage et de références," *Bulletin des bibliothèques de France* 6:59-76 (févr. 1961).
24. Eileen Bowser, "Guidelines for Describing Unpublished Script Materials," *Performing Arts Resources* 2:1 (1975).
25. Ibid., p.2.
26. Ibid., p.1.
27. Gilder and Freedley, *Theatre Collections,* p.148-59; Briant Hamer Lee, "Theatrical Visual Arts Ephemera: Care and Protection," *Performing Arts Resources* 1:156-72 (1974).
28. Ambler, *Classification System,* p.88.
29. Helen A. Sheintz, "The Cataloging of Television, Radio, Film, and Play Scripts," *Library Journal* 66:828-31 (Oct. 1941).
30. Genevieve Oswald, "Creating Tangible Records for an Intangible Art," *Special Libraries* 59:150 (March 1968).

31. Johnston, *Theatre Librarianship,* p.71.
32. The forty collections were selected from Lee Ash, *Subject Collections* (New York: Bowker, 1974); Theatre Library Association, *Membership List* (New York: TLA, 1980); and M. L. Young and H. C. Young, *Subject Directory of Special Libraries and Information Centers,* 5v. (Detroit: Gale, 1979), 4:333-37. With one exception (the New York Public Library at Lincoln Center's circulating theater collection), collections holding the largest quantities of fugitive materials were selected for the sample.
33. Oswald, "Creating Tangible Records," p.150-51.
34. Johnston, *Theatre Librarianship,* p.30.
35. Ibid., p.44-45.
36. Robert S. Steele, *Cataloging and Classification of Cinema Literature* (Metuchen, N.J.: Scarecrow, 1967), p.24.
37. Ibid., p.19.
38. Ibid.
39. Laraine Correll and others, "Performing Arts Collection Profile" (questionnaire developed under the sponsorship of TLA).

APPENDIX A
QUESTIONNAIRE MAILED TO FORTY THEATER COLLECTIONS IN OCTOBER 1980

1. Do you have one or more tools which access *all* the nonbook items in your collection? In other words, is *every* clipping, photo, etc., accessible through one or more of the following?
   card catalog_____ book catalog_____ special indexes_____
   other (explain)_____
   we have no complete accessing tools_____
2. If your cataloging operations do not cover *all* items in your collection, do you have partial access through any of the tools listed below?
   card catalog_____ book catalog_____ special indexes_____
   other (explain)_____
   we have no partial accessing tools_____
3. If you have indicated cataloging of some sort, how was your collection's system formulated? (Check more than one if applicable)
   designed by library staff for our particular collection_____
   consulted with other theater library/libraries about their systems_____
   adopted a pre-established system_____
   please indicate source of such system _____
   researched cataloging systems for theater/performing arts libraries in the professional literature_____
   other (briefly explain)_____
4. Do you think a standardized method of cataloging theater/performing arts materials would be of value to theater librarians struggling to organize and process new collections? Feel free to comment.
   yes_____
   no_____
5. Any brief notes you can offer on your system of cataloging and accessing theater/performing arts memorabilia would be extremely helpful.
   _____

Margaret Mann Citation, 1981: Sanford Berman

The Margaret Mann Citation in Cataloging and Classification for 1981 is awarded to Sanford Berman in recognition of his significant contribution to the improvement of subject access to library collections.

From left to right: Margaret Mann Citation Committee Chairperson Frances Hinton, Sanford Berman, and Cataloging and Classification Section Chairperson Nancy J. Williamson.

Sanford Berman

Maurice J. Freedman

Sanford Berman, the recipient of this year's Margaret Mann Citation, represents a departure from the practice of recognizing "official" achievers. Berman, a long-standing nonmember of RTSD and ALA, has been the most outspoken and, one dares say, constructive critic of the policies of the United States cataloging establishment, as especially represented by the Library of Congress and RTSD and its Cataloging and Classification Section, the sponsor of the citation. He has been extraordinarily productive as a journal editor, correspondent, author, and cataloger. In all of those facets, he has lovingly and humanely contributed to the construction and advancement of library catalogs predicated on "intelligibility, findability, and fairness" (see his *Joy of Cataloging* [Phoenix, Ariz.: Oryx Pr., 1981, p.xi]).

A brief review of his background and experience is in order. He received a bachelor's degree with "highest honors" from the University of California at Los Angeles, and the master's degree in library science from Catholic University of America in 1961. It was not until January 1973, when he was hired by the Hennepin County Library (Edina, Minnesota) as head cataloger, that Berman held his first full-time position as a cataloger. But in a variety of positions prior to that appointment, ranging from acquisitions in a public library to army librarianship to assorted academic library positions on three continents, his interest, concern, and work with library catalogs grew increasingly strong.

Certainly one of the most prolific letter writers in the library profession,* a steady stream of his communications appeared in the library press, the medium through which many people were first treated to his views on cataloging practices. However, catalogers who may have missed reading his letters were forced to take notice with the publication of his now classic work, *Prejudices and Antipathies: A Tract on the LC Subject Heads concerning People* (Metuchen, N.J.: Scarecrow, 1971). With *Prejudices and Antipathies* followed shortly by the appearance of his *Subject Headings Employed at the Makerere Institute of Social Research Library: A Select List* (Kampala, Uganda: Makerere Institute of Social Research Library, 1972), a substantive position was established by Berman in relation to contemporary cataloging practices. The monograph contained both an indictment of and a challenge to the Library of Congress in relation to the terms and categories of subject analysis it applied to the materials added to LC's collections. The indictment had to do with various terms and headings used by the Library of Congress that were offensive to specific groups, usually minorities, in America and elsewhere. The challenge he issued to LC was that it should cease and desist and, indeed, adopt the

Maurice J. Freedman is associate professor, School of Library Service, Columbia University.

*One is referred to Art Plotnik's *Wilson Library Bulletin* profile, "The Berman File," 47:856–61 (June 1973) for an appreciation of Berman's productivity as a correspondent.

fairer alternatives suggested. One of the marks of Berman's greatness as a critic, so unlike many others, is the absence of sheer negativism. Invariably constructive solutions have been offered, as they were in *Prejudices and Antipathies* and the *Makerere List.* And with the *List* as a cataloging authority, Berman liberated a black African university library readership from a terminology and jargon that in too many cases were inappropriate and offensive.

Fearing for their lives, Mr. Berman and his family left Uganda in 1972. They needed the escort services of a high-ranking United States embassy officer, who actually stayed with them right up to the boarding of the airplane.

Sanford Berman was subsequently hired as head cataloger, Hennepin County Library, a position he continues to hold and where he truly flourishes in the cataloging field. In this position, one wholly and totally dedicated to the development, implementation, and administration of cataloging and classification policy and practice, he was provided with a secure base in the form of a management with which his views were in harmony; an automated bibliographical control system that made it relatively easy to practice what he so strenuously advocated; the staff and resources for appropriate follow-through and fiscal support; and lastly, the actual materials to be cataloged, which daily flowed over his desk.

Under his editorship were created the *Hennepin County Library Authority File,* the only major American list of continuously updated and published headings and entries available as an alternative or complement to LC, and the *Hennepin County Library Cataloging Bulletin.* During his tenure as editor until 1979, the *Bulletin* began as a medium for listing and explaining cataloging changes to the public-service staff and expanded into a serial with an international readership, which contained letters, news, articles, reviews, and debate, all to do with cataloging. In 1976 it won the H. W. Wilson Library Periodical Award as the best library periodical.

Those who have not seen Sanford Berman and heard him speak are missing out on a real treat. A tall and imposing figure with a voice and diction that would make Orson Welles envious, he is one of the finest extemporaneous speakers one has heard. At a catalog institute at which the value—not the implementation—of AACR2 was discussed, a member of the audience, displeased with Berman's critique, challenged him to offer a better code. Berman thereupon responded with an off-the-cuff analysis of requirements for a model set of rules, one especially suited for nonresearch libraries, which included detailed requirements for choice and form of entry and description—an incredible performance.

His encyclopedic knowledge never ceases to amaze. Not only is he an outstanding authority in the field of cataloging, but experts in the fields of Africana literature and small-press publications acknowledge him as their peer. To mention a few other interests, he loves the poetry of Bertolt Brecht, the TV doings of the Incredible Hulk, and reading the endless array of periodicals that have resulted in awards to his letter carrier for valorous service.

Not wholly unaffiliated with ALA, he has continued his long-standing membership in the Social Responsibilities Round Table, and served as

the editor of its newsletter for two years. The American Civil Liberties Union *Interracial Books for Children Bulletin* advisory board, the African Studies Association Subcommittee on Cataloging and Classification, the *Reference Librarian* editorial board, the Democratic-Farmer-Labor Party Feminist Caucus, the advisory committee of the *New Periodicals Index,* the *Technicalities* advisory board, and the *Alternative Press Review* advisory board is a partial list of groups in which he actively serves. The Minnesota Library Association, of which he is a member, named him Minnesota Librarian of the Year in 1977.

His wonderful wife, Lorraine, and their marvelous children, Jill and Paul, are as loyal, loving, and supportive a family as a person could ever wish to have. Together they shared the bad times of Amin's terror, forced relocation, and the nonrecognition of one of American librarianship's finest minds, as well as the many good times.

There is really no way to easily sum up the overall contribution of Sanford Berman to the profession. It will not suffice to point to the many subject terms he and his staff have innovated at Hennepin, his many writings, his many public appearances, and the many groups he so dedicatedly supports. His greatness is that he has initiated and inspired a movement toward a humanistic user-oriented cataloging philosophy that has given a most important sense of reality to what in significant part had become an increasingly esoteric, archaic, insensitive, and insulated activity. Sanford Berman has brought a joy and a social conscience to cataloging. For these deeds, all of us involved in librarianship, and more particularly in bibliographic control, owe him an incalculable debt.

NOMINATIONS FOR 1982 MARGARET MANN CITATION

Nominations for the 1982 Margaret Mann Citation are now being accepted. They should be submitted by December 15, 1981, to Michael Gorman, Chair, Margaret Mann Citation Committee, University of Illinois Library, Urbana, IL 61801.

The Margaret Mann Citation is awarded annually for outstanding achievement in cataloging or classification through:

- publication of significant professional literature;
- contributions to activities of professional cataloging organizations;
- technical improvements and/or introduction of new techniques of recognized importance;
- distinguished teaching in the area of cataloging and classification.

Renominations of nonrecipients are acceptable.

Esther J. Piercy Award, 1981: Sally H. McCallum

The 1981 Esther J. Piercy Award is given to Sally H. McCallum in recognition of her contributions to technical services, for her leadership in developing national standards, and for showing outstanding promise for continuing contributions to the profession.

From left to right: Esther J. Piercy Award Jury Chair Peter Spyers-Duran, Sally H. McCallum, and RTSD President Karen Horny.

Sally H. McCallum

Peter Spyers-Duran

Sally H. McCallum graduated from the University of Chicago Graduate Library School in 1976, and was subsequently nominated for the Library of Congress internship program. During her tenure at the Library of Congress she has progressed very rapidly from a junior position to a senior position. Although she has been in professional librarianship for a short time only, she has made outstanding contributions to the profession in general, and to technical services in particular, through her efforts in promoting resource sharing via library networking. She has demonstrated qualities of leadership and professional excellence in all her endeavors.

As a member of the Library of Congress Network Development Office, Sally McCallum has conducted major research studies funded by the National Commission on Libraries and Information Science, leading toward the design of an integrated nationwide library network, and has been actively involved in the Council on Library Resources Bibliographic Service Development Program, aimed at providing more effective bibliographic services and products for the nation's libraries and lowering the cost of library processes.

Recognizing the importance of standardization in library networking activities, Sally McCallum has been active nationally and internationally in such efforts. She is vice-chairperson of ANSI Z39 and was instrumental in setting the policies and guidelines for Z39 when it was reorganized about two years ago.

Internationally, she was responsible for the final editing of the first edition of the International Federation of Library Associations and Institutions (IFLA) UNIMARC format and she has incorporated into the second edition the standard descriptions for forms of material as they were developed. Through her efforts, there now exist MARC formats for technical reports and analytics. McCallum has unselfishly given of her time and energies in professional association activities and in describing work in progress in LC, CLR, ANSI, IFLA, and ISO to the profession by means of numerous presentations and publications.

For the past several years, McCallum has assisted the chair of the International Organization for Standardization (ISO) Working Group 1 on Character Sets on the development of nonroman character sets for information exchange and, on one occasion, chaired the meeting. She represents LC in the IFLA Working Group on an International Authority File System.

During her short tenure as a professional librarian, Sally McCallum has demonstrated excellent analytical talents, a remarkable ability to understand the complexities of working nationally and internationally,

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Peter Spyers-Duran, chair, Esther J. Piercy Award Jury, is the director of the University Library, California State University, Long Beach.

and outstanding qualities of leadership. She has made continuing contributions to the profession through her work and her publications and is well liked by all with whom she comes in contact. Her efforts will have a considerable impact on the future design of library networks, on more effective and efficient library operations, resulting in better service to the patrons of libraries.

Her overall accomplishments, dedication, and interest in technical services are in the best tradition of excellence so well represented by the past recipients of the Esther J. Piercy Award.

NOMINATIONS FOR 1982 ESTHER J. PIERCY AWARD

Nominations for the 1982 Esther J. Piercy Award are now being accepted. They should be submitted by December 15, 1981, to Julieann V. Nilson, Chair, Esther J. Piercy Award, 411 E. University, Bloomington, IN 47401.

The Piercy Award was first presented in 1969. Its purpose is to recognize contributions to librarianship in the field of technical services by a younger librarian—one who has no more than ten years of professional experience and who has shown outstanding promise for continuing contributions and leadership.

The award may be granted for:

- leadership in professional associations at local, state, regional, or national levels;
- contributions to the development, application, or utilization of new or improved methods, techniques, and routines;
- a significant contribution to professional literature;
- conduct of studies or research in the field of technical services.

Renominations of nonrecipients are acceptable.

Resources Section Blackwell/North America Scholarship Award, 1981:

Collection Development in Libraries, by Robert D. Stueart and George B. Miller, Jr.

The Resources Section Blackwell/North America Scholarship Award for the outstanding publication of 1980 relating to library resources has been awarded to Robert D. Stueart and George B. Miller, Jr., editors of the two-volume work Collection Development in Libraries: A Treatise *(Greenwich, Conn.: JAI Pr., 1980). Stueart is dean of the Simmons College Graduate School of Library and Information Science. Miller is a writer, and the former assistant dean of the University of New Mexico Library. The award-winning publication was judged a valuable synthesis of current ideas regarding the building and maintenance of library collections. Members of the jury are John Kaiser, Pennsylvania State University Library; Dan O'Connor, Rutgers University Library School; and Sheila Dowd, University of California, Berkeley, Library (chair).*

Through the generosity of Blackwell/North America, the award provides a $1,000 scholarship to be given to the library school of the recipients' choice, for support of a student with particular interest in library acquisitions or collection development. Dean Stueart will select a Simmons student to receive this year's scholarship.

From left to right: George B. Miller, Jr.; Robert D. Stueart; Executive Vice-President Charles Marshall, Blackwell/North America; Resources Section Chair Paul Mosher; Award Jury Chair Sheila Dowd; and RTSD President Karen Horny.

NOMINATIONS FOR 1982 RESOURCES SECTION BLACKWELL/NORTH AMERICA SCHOLARSHIP AWARD

Nominations for the 1982 Resources Section Blackwell/North America Scholarship Award are now being accepted. They should be submitted by December 15, 1981, to Fred Lynden, Chair, RS Blackwell/North America Award, 31 Ferry Lane, Barrington, RI 02806.

This award is presented to honor the author or authors of the outstanding 1981 monograph, article, or original paper in the field of acquisitions, collection development, and related areas of resources development in libraries. Blackwell/North America will donate a $1,000 scholarship to the U.S. or Canadian library school of the winning author's choice. The school will select a student concentrating in the acquisitions or collection development areas to receive the scholarship.

The Resources and Technical Services Division at Twenty-Five

Charlotta Hensley

The Resources and Technical Services Division has had a productive twenty-five years. Although it has encountered organizational issues at both association and division levels, its areas of responsibility and its structure have remained the same since 1957. RTSD members have been active in all areas of division responsibility. Standards, publishing, and continuing education have been especially strong programs. The prognosis for the division's future is good because it is strengthening programs that support its 1979 goals.

THE RESOURCES AND TECHNICAL SERVICES DIVISION entered its twenty-fifth year in January 1981, with 6,175 members, as the largest type-of-activity division and the second-largest of the eleven American Library Association divisions. Functioning to "contribute to the professional welfare of its members and to librarianship generally as the Division of the American Library Association responsible for activities related to the acquisition, identification, cataloging, classification, and preservation of library materials in all types of institutions and to the development and coordination of the country's library resources" were eighteen divisional committees, twenty-three discussion groups, the thirty-one-group Council of Regional Groups, and five sections: Serials, Reproduction of Library Materials, Resources, Preservation of Library Materials, and Cataloging and Classification.[1] Approximately 435 RTSD members were serving as officers, committee members, discussion group leaders, and representatives to other organizations.

When reviewing the first twenty-five years of the Resources and Technical Services Division, it is tempting to emphasize personalities, to chart numbers (of presidents, executive secretaries, committees, and members), or to become immersed in an oral history project (What did you *really* think about . . . ?). The contributions of hundreds of members are, of course, of primary importance to the development of the division. Spatial and temporal restrictions, however, limit this paper to a summary of the principal organizational issues that have influenced the development of RTSD and of the major activities of the division as derived from published annual reports, from organizational documents, such as goals statements and bylaws, and from articles in ALA publications.

Charlotta Hensley, currently the president of RTSD, is head, Serials Department, University of Colorado, Boulder, Libraries. Invitational paper received and accepted for publication June 1981.

ORGANIZATIONAL DEVELOPMENT: ALA AND RTSD

Since its formation in January 1957, the Resources and Technical Services Division has encountered both association and division organizational issues. The division was established during the 1956/57 American Library Association restructuring that was the result of the 1955 Cresap, McCormick, and Paget Management Survey, the fifth review of ALA organization within twenty-five years. The surveyors proposed rearranging numerous committees, boards, and divisions of ALA into type-of-library associations and type-of-activity councils to "*make it possible to delegate to the divisions of the ALA more responsibility and authority than the existing divisions have been given. . . .*"[2]

The interests of the present RTSD were to be encompassed in a Council on Acquisitions and Resources, a Council on Cataloging and Classification, and a Serials Round Table. In 1956, the ALA Council Steering Committee on the Implementation of the Management Survey recommended that the two councils be established as separate divisions.[3] The Steering Committee also advised dispersing Serials Round Table activities among other ALA units because it did not support the continuation of units based on a form of material.[4]

After a survey revealed that Serials Round Table members favored a technical services division with sectional status for serials, and after professional interest in associating acquisition and cataloging activities was demonstrated to him, ALA President Ralph Shaw decided to poll all members interested in serials, cataloging, and acquisitions.[5] When the majority in each field favored a combined division, Shaw appointed a representative Organizing Committee to suggest its organizational design.[6]

At the 1957 Midwinter Meeting, membership action resulted in a Resources and Technical Services Division with four sections: Serials, from the Serials Round Table; Copying Methods, from the ALA Committee on Copying Methods; Cataloging and Classification, from the Division of Cataloging and Classification; and Acquisitions, from the ALA Board on the Acquisition of Library Materials. At the same time, members ratified the Council of Regional Groups as a divisional affiliate and established eleven divisional committees, including a Resources Committee, from the ALA Committee on Bookbinding.

ACONDA/ANACONDA

After the association's reformation of 1956/57, when members adopted the structural configuration that the division retains in 1981, there were few substantive ALA organizational issues until the 1971 ACONDA and ANACONDA reports, which proposed democratizing and reorganizing the association.[7] The purpose was that as "much autonomy as is consistent with effectiveness should reside in membership groups based on special interest, whether such groups continue as divisions or take new forms."[8] Proposed organizational patterns included three type-of-library and four type-of-activity divisions; or a federation of special-interest library organizations; or five type-of-activity divi-

sions; or several type-of-library divisions, each with type-of-activity units.

The RTSD Board surveyed division members concerning their preferences about ALA restructuring and RTSD rearrangement in the fall of 1971. The disappointing response could not provide direction to the board. Only 1.68 percent of the 10,503 eligible respondents replied. Of the 177 members who returned the questionnaire, 68 percent preferred that RTSD continue as a separate type-of-activity division. With regard to ALA organization 38 percent supported the existing structure, and 33 percent preferred a federation of divisions.[9]

The RTSD Board of Directors also appointed an ad hoc Committee on New Directions for RTSD (AHONDA) to consider the implications of the ACONDA/ANACONDA "Joint Report" for the division. AHONDA recommended that RTSD provide leadership in professional equality of opportunity, that divisional committee participation be expanded, that communication with RTSD membership be improved, that divisional programs be more practical, and that the division become more involved in international library relations.[10] RTSD organizational progress since ACONDA/ANACONDA has perhaps been most obvious in the expansion of committee assignments, in membership communication and promotion, in programming, and, to some extent, in internationalism.

The Future Structure Committee

Although formal reorganization of ALA structure did not occur as the result of the ACONDA/ANACONDA reports, ALA members continued to be concerned about participating in the association and to believe that its financial problems were related to structural complexity. Thus, yet another study of ALA organization was undertaken in 1976 by the ad hoc Committee on Future ALA Structure. The committee's first report presented four structures, each of which had the potential to influence RTSD. The possibilities included organization by type of activity; formation into only two assemblies—a Media Resources and Services and Development Assembly and an Interpretation of Librarianship Assembly; a federation of relatively autonomous associations; or modification of the existing structure.[11] When 90 percent of the people commenting on the proposals favored no major revision of ALA organization, the committee recommended ten procedural alterations to the existing practices. Recommendations of interest to RTSD included using zero-based budgeting methods and encouraging the divisions to hold national conferences separate from ALA meetings.[12]

Dues Structure

Another major association issue affecting RTSD is the dues structure instituted by ALA members in 1974 to force increased autonomy on the divisions. Prior to 1975, personal dues were based on salary, with the option of two divisional memberships without additional fees. Budgets were allocated to divisions by the Committee on Program Evaluation and Support (COPES) proportional to the number of members. It gave

special review to other requests. In 1970/71, this practice meant that although RTSD was the largest of the nine type-of-activity divisions, it was seventh in budgetary allocations for divisional special requests; and although it was the fourth largest of the fourteen ALA divisions, it was twelfth in budgetary appropriations for special requests.[13]

In 1975, personal members began paying thirty-five dollars for association membership and fifteen dollars for each division. The intent of the altered dues structure, which was the outgrowth of financial crisis as well as of ACONDA concern about the implementation of ALA priorities, was to fund association-wide programs by forcing divisions to support their own staffs, programs, and publications. Wedgeworth pointed out at the time that the purposes of separate division fees were also to give greater fiscal autonomy to ALA divisions and to provide incentive for divisional recruitment of new members.[14]

The immediate consequence for RTSD was that although its membership dropped from its highest-ever point (9,454) in August 1974 to 6,356 in July 1975 (a 33 percent decrease), the division increased its resources.[15] In 1975/76, RTSD was one of only five divisions not subsidized by ALA general funds,[16] and after a general dues increase in 1979/80, the division gained 400 new members.[17] Whether the 1975 ALA dues structure modification has given useful autonomy to its divisions may be in question, but RTSD has thus far benefited fiscally by controlling its own budget, which in 1980/81 was the second largest among the divisions. The division's current financial status is, however, primarily the result of its programming rather than of its membership revenues, which represent only 23 percent of its projected income.

The outcome of the dues restructuring has not been as beneficial to association budgeting as was expected. Despite the 1979/80 general dues increase, the projected ALA general fund balance for 1980/81 is only $8,759. Current fiscal concerns have led the ALA Council to review its 1976 agreement with divisions and to reconsider the dues structure for new and student members.

Dues Transition. The dues transition document, which was endorsed as policy in 1976 by the ALA Council, detailed the support to be provided to the divisions by the association as well as the activities that the divisions would finance. In July 1980, at the request of ALA COPES, Executive Director Wedgeworth appointed a staff task force, representative of divisions and offices, to propose revisions to the 1976 document.

A draft of the new "Operating Agreement with ALA Divisions," which acknowledged the contributions divisions make to association programs as well as support they receive, was considered at an April 1981 meeting of ALA President Sullivan, Vice-President Stone, and Executive Director Wedgeworth with representatives from COPES, divisions, round tables, and chapters. Participants pointed out that their intent was not that ALA become a federation of strong divisions but instead that there be more divisional control over division-sponsored conference income and over setting of divisional dues. Although the ALA Council did not act on an agreement at the 1981 Annual Conference, it did vote to allow divisions to establish dues for personal members. RTSD, therefore, has

gained the ability to establish dues according to projected program requirements.

Dues Discounts. In an attempt to attract more members to ALA, the Council reviewed the new-member and student-member dues structures at the 1980 Annual Conference. Council referred the membership resolution requesting graduated division dues discounts for new members to divisions for their comments. It approved the membership request to provide lower student dues for division membership. The RTSD Board has expressed its concern about being able to support its publications if they were to be provided to student or new members at less than cost. Its stated preference is a graduated dues structure for both new and student members.

After reviewing several of the structural issues presented to the Resources and Technical Services Division throughout its twenty-five years by the American Library Association, it is evident that despite repeated statements supporting increased divisional autonomy it is not reasonable to expect that the association can relinquish all organizational or fiscal control. Perhaps by determining program priorities, ALA will be able to support at least several of its activities at acceptable levels without continual review of its organizational pattern or alteration of its dues structure.

Organizational Development: RTSD

The structure of the Resources and Technical Services Division, with division committees for its comprehensive concerns and sections devoted to its specialized interests, has remained essentially unchanged since 1957, although its Organization Committee considered organizing by form of material in 1974.[18] Division bylaws, which were adopted in 1960, have been revised to reflect ALA bylaws changes and Council directives concerning dues structure, terms of office, committee limitations, and sexist terminology in ALA documents. The bylaws have also been revised to accommodate divisional changes concerning discussion groups, officers, or sections. Areas of RTSD responsibility have not, however, been modified in twenty-five years.

While the structural configuration of RTSD has not changed, there have been internal reconsideration and realignment of activities. The following discussion summarizes chronologically only the substantial questions about scope of responsibility or modifications in organization that have occurred within the RTSD units.

Council of Regional Groups

Immediately after the formation of RTSD in 1957, the thirty-five-year-old Council of Regional Groups moved from the Cataloging and Classification Section to division affiliation. Although the number of regional groups has remained almost constant (twenty-nine in 1957; thirty-one in 1981), member constitutions and programs have been expanded throughout the years from cataloging and classification matters to all areas of divisional interest. A majority of the groups are parts of state or regional library associations. They are required to have a membership of at least ten people, bylaws consistent with those of RTSD, and

activities that fall within the objectives of the division, and to report their activities to the Council of Regional Groups. Although the organization of the CRG has been reviewed several times since 1957, its groups continue to function as independent affiliates rather than as divisional subgroups in providing informal exchanges of information about regional and divisional resources and technical services activities.

Reproduction of Library Materials Section

Soon after the RTSD Copying Methods Section was formed from the American Library Association Committee on Copying Methods in 1957, the ALA Committee on Organization questioned whether it more appropriately belonged in the Library Administration Division, where responsibility for equipment had been assigned. After review, the Committee on Organization delegated equipment testing to LAD, but the library application of copying methods, especially in technical services, remained the purview of the Copying Methods Section, which also continued to sponsor the American National Standards Institute Committee on the Photographic Reproduction of Documents, PH5.[19]

Members reconsidered Copying Methods Section programs in 1964/65 and proposed that its name, function, and scope be changed to make more explicit its interest in all types of graphic copies, especially in microtext forms, and to gain the responsibility for library automation.[20] In 1967, the section became the Reproduction of Library Materials Section, and its function statement was changed to acknowledge its interest in the production, storage, and use of library materials reproductions and in studies, research, and standards. Responsibility for library automation, however, had been delegated to a new ALA Information Science and Automation Division in 1966.

In May 1981, RLMS had 1,606 members. Seven sectional committees, one discussion group, and six representatives to outside organizations were discussing and disseminating information, encouraging studies and research, and promoting uniform practices in the production, storage, and use of library materials reproductions.

Serials Section

The Serials Section was established in 1957 as one of the four original RTSD sections. In 1970, the Serials Section Executive Committee, led by Chairperson Doralyn Hickey, began a review of section programs by considering possible dissolution, merger with the Acquisitions Section, or restructuring.

At the 1971 Annual Conference, the Serials Section Executive Committee recommended that a RTSD membership survey determine future divisional organization because separation into sections appeared "more artificial than real."[21] At the 1972 Annual Conference the Executive Committee voted, with two dissenting members, in favor of merging with the Acquisitions Section and the Resources Committee to become a Resources Section.[22] Because of opposition, including that of the section's Policy and Research Committee, the RTSD Board established the Resources Section without serials responsibilities.[23] It directed the Se-

rials Section to review its function statement and to examine its activities in order to determine whether it should become a committee of the new Resources Section.

A statement about the proposed merger was subsequently enclosed with Serials Section–member ballots in the spring of 1973. At the 1973 Annual Conference, members of the section "agreed overwhelmingly" to continue as an RTSD section.[24] Following the debates about the function of the Serials Section, interest in the issues of serials librarianship increased dramatically as developments such as NSDP, the CONSER project, ISBD(S), ISSN, AACR2, and a proposed National Periodicals Center have underscored the complexities and importance of serials resources.

In May 1981 the Serials Section was the second-largest RTSD section, with 2,657 members. Nine committees and two discussion groups were meeting sectional responsibility for the coordination of activities concerning serials within the Resources and Technical Services Division and within the American Library Association.

Resources Section

The Resources Section was formed in 1973 by a merger of the Resources Committee and the Acquisitions Section. Both had been conspicuous units of the division since its formation. The Resources Committee had been the ALA Board on Resources of American Libraries before its designation as a division committee in 1957. Energetically led by Ralph Ellsworth and Gordon Williams, it had devoted its first years in RTSD to the problems of publishing the retrospective *National Union Catalog*. It had also promoted cooperation among the libraries participating in the PL-480 program of the Library of Congress, cooperative bibliographic control and preservation of microform materials, and the publication of the *National Register of Microform Masters*. The early emphasis on resources, however, had subsided somewhat by 1969 when Norman Stevens, a former Resources Committee chairperson, admonished RTSD members that they had been disregarding their obligation for the coordination and development of American library resources.[25]

The Acquisitions Section had been the ALA Board on the Acquisition of Library Materials before becoming an RTSD section in 1957. Through the Bookdealer Library Relations, Reprinting, and Library Materials Price Index committees, members of the section had been active in codifying library order practices; emphasizing mutual understanding among librarians, vendors, and publishers; and monitoring the costs of library materials. In 1970, members of the Acquisitions Section noted their dissatisfaction with the overlapping responsibilities between their section and the Resources Committee and recommended a merger.[26]

In 1972, the RTSD Board of Directors approved the formation of a Resources Section to place new emphasis on materials selection and collection development activities without giving up traditional concerns about acquisitions procedures. Members voted to affirm the union to occur after the 1973 Annual Conference. In May 1981 the Resources

Section had 2,555 members. Eleven committees and four discussion groups were at work to "contribute to library service and librarianship through encouragement, promotion of, and responsibility for those activities . . . relating to collection development including selection, acquisitions, and evaluation of library materials in all types of institutions."[27]

CATALOGING AND CLASSIFICATION SECTION

The Cataloging and Classification Section, one of the original four RTSD sections, was formed from the 3,000-member ALA Division of Cataloging and Classification. Organized in 1900, it joined the new Resources and Technical Services Division in a position of strength because of its lengthy involvement in cataloging and classification issues.

The principal organizational issue within the Cataloging and Classification Section since 1957 concerned the revision of the *Anglo-American Cataloging Rules*. In 1973, after many organizations outside the American Library Association expressed interest in participating, the CCS Executive Committee proposed a different arrangement within RTSD for the preparation of AACR2. The RTSD Board then moved the ALA responsibility for AACR2 from the CCS Descriptive Cataloging Committee to the divisional ad hoc Catalog Code Revision Committee.

After the second edition of the *Anglo-American Cataloguing Rules* was completed, the RTSD Board of Directors, disregarding its earlier provision that the CCS Descriptive Cataloging Committee would then resume its authority for code revision, reconsidered the problem of effective structure for continuing revision of cataloging rules. At the 1978 Midwinter Meeting, the ad hoc International Cataloging Consultation Committee recommended that the board place the options of whether the authority for code maintenance and revision be delegated to a divisional committee or to the DCC on the next ballot.

The RTSD Board instead directed President Norman Dudley to determine the opinions of interested librarians. A letter from Dudley was sent to a number of librarians and also appeared in the *LC Information Bulletin* and the *RTSD Newsletter*. After reviewing the evenly divided responses and after discussion at an open hearing at the 1978 Annual Conference, the RTSD Board voted to reassign the authority for continuing catalog code revision to its Cataloging and Classification Section.[28]

The CCS Executive Committee reassigned the code revision responsibility to its Descriptive Cataloging Committee, which was then restructured to accommodate the demands of other RTSD sections, ALA units, and library organizations for more effective participation in code revision. The present Committee on Cataloging: Description and Access has nine voting members, two ex officio members, fourteen nonvoting liaisons from ALA units, and seventeen nonvoting liaisons from organizations outside ALA.

In May 1981 the Cataloging and Classification Section was the largest in RTSD, with its 4,024 members. Ten committees, four discussion groups, and five representatives to other organizations were actively meeting sectional responsibility for those activities relating to the cataloging and classification of library materials.

Preservation of Library Materials Section

The newest of the RTSD sections had its origin in the ALA Committee on Bookbinding, which was transferred to the division in 1956/57. In 1970 it changed its name to Preservation of Library Materials Committee when its responsibility was expanded to include techniques, standards, and information dissemination concerning preservation. Interest in this subject sparked the creation in 1976 of a discussion group also, and in 1979 the two were merged to form the Preservation of Library Materials Section. The section ended its first year with 1,710 members. Its six committees and one discussion group are already active in advising and assisting the library profession in the solution of preservation problems.

RTSD Programs

From the history just recounted it might appear that members of RTSD have spent twenty-five years reorganizing or responding to intimations of reorganization. In reality accomplishments in all areas of division responsibility are numerous and are particularly noteworthy in three areas—standards, publications, and continuing education.

Standards

Standards making is a new term to describe a time-honored association activity in which RTSD has been an active participant at the sectional, divisional, association, national, and international levels. Section committee members have contributed their expertise in the development of specific standards that facilitate cooperation and increase the efficiency of libraries. To cite a few examples, Serials Section committees have suggested standards for serials-holding statements, claim forms, and publishing practices; guidelines for producing union lists of serials are currently being developed. From committees of the Resources Section have come guidelines for collection policy statements, collection review, materials budget allocation, and resource-sharing policies. Technical standards for the microphotography of library materials have been a major contribution from the Reproduction of Library Materials Section, as have its manual of photocopying procedures and guidelines for operating library microform facilities. The RLMS Standards Committee, established in 1972, has promoted standards for microfilming card catalogs and newspapers and has been concerned about the quality of computer-output-microfilm and nonsilver film. RLMS interest in preservation microfilming practice is shared by the Preservation of Library Materials Section, whose concerns extend also to standards for binding and the quality of book papers. Cataloging standards have been on the ALA agenda since 1900 when a committee was appointed to reconcile the catalog rules then in use. Responsibility for catalog code development has been assigned within the association to the Cataloging and Classification Section, whose work in recent years has encompassed also the subject analysis of children's literature and audiovisual materials and the special problems of cataloging Asian and African materials. At

the divisional level, RTSD committees have not only participated in the preparation of the second edition of the Anglo-American cataloging code, but have also prepared guidelines for selecting commercial processing firms, for publishing book catalogs, and for managing centralized technical services. The publication of the rules for manual and computer filing in November 1980 brings to a close a major division project in the formulation of standards.

At the association level, RTSD representatives have participated with representatives from other ALA units in reviewing standards and recommending policies for library binding, interlibrary loan, fair-trade practices, universal numbering systems for library materials, and the representation of bibliographic information in machine-readable form.

RTSD has cooperated with organizations outside ALA to develop technical and procedural standards. Of particular importance has been its participation in the work of two committees of the American National Standards Institute. The official ALA representative to the ANSI Standards Committee on Micrographic Reproduction, PH5, has been appointed by RTSD since 1957. Standards for photocopying technology as applied to documents in libraries, and for micrographics reproduction, have resulted from the work of that committee. RTSD members have served as official ALA representatives to the ANSI Standards Committee on Library Work, Documentation, and Related Publishing Practices. The active Z39 committee has produced many standards of importance to technical services librarians, including the abbreviation of periodical titles, serials claims forms, book and micropublication advertising, bibliographic information interchange on magnetic tape, and systems for the romanization of numerous languages.

Since 1957 RTSD members have been increasingly involved in the development of international standards. Internationalizing the catalog code revision project in 1960 brought close cooperation among Cataloging and Classification Section members and their Canadian and British colleagues. It required participation in the International Conference on Cataloguing Principles, which produced the Paris Principles, and in subsequent activities of the International Federation of Library Associations Committee on Cataloguing. After the publication of the first edition of the Anglo-American catalog code, rule modification and development continued to involve Canadian and British participation under the aegis of the CCS Descriptive Cataloging Committee until the creation of the independent Joint Steering Committee for Revision of AACR, on which RTSD representatives have been very active members.

RTSD has cooperated with the International Federation of Library Associations and Institutions in formulating standards for the bibliographic description of monographs, serials, nonbook and cartographic materials, and the exchange of machine-readable bibliographic information. Division representatives have also worked with the International Organization for Standardization concerning a universal numbering system for library materials, filing rules, and micrographic standards.

PUBLICATIONS

The authors of the 1955 "Management Survey" noted that an impor-

tant attraction for members was a division's publishing program.[29] RTSD members affirmed this observation in 1971 when many of them cited *Library Resources & Technical Services* as an essential division activity and a primary membership benefit.[30] When the division was established, *Serials Slants,* issued by the Serials Round Table, merged with the Cataloging and Classification Division's *Journal of Cataloging & Classification* to become the only library journal devoted exclusively to resources and technical services topics. Its five editors have maintained high publishing standards in presenting research and other professional developments to the RTSD membership. One of the journal's most noteworthy features has been the annual reviews in each section's area of interest.

Because it is not possible for all RTSD members to be active, they must be kept informed by other methods. Although there have been efforts by the Serials Section and the Council of Regional Groups to share information with their members in newsletters, the RTSD Board began a general quarterly newsletter only in 1976, almost twenty years after the division was formed. Its two editors have provided detailed information to members about RTSD activities as well as other areas of interest, including AACR2 implementation studies and library materials price indexes. The *RTSD Newsletter* has been such a well-received benefit of RTSD membership that it became a bimonthly publication in 1980.

Numerous ALA publications have resulted from the standards, guidelines, or working aids developed by RTSD units. The catalog codes and filing rules have long been standard tools for technical services librarians. Of continuing use to the profession are such series as the RLMS Circulars and the RLMS Microfile Series, the Acquisition Guideline Series, and the Preservation Education Flyers. A notable aid for the acquisitions librarian is the recently published *Guidelines for Collection Development,* prepared by the Collection Management and Development Committee, while titles like *Third World Bookdealers* and *My Old Books: What Are They Worth? What Shall I Do with Them?* are of value not only to librarians but to the public as well.

Some of the work of the RTSD units reaches the profession through publishing channels outside ALA. An example is the library materials price indexes that appear regularly in the *Bowker Annual.* The *Reprint Expediting Service Bulletin,* published from 1955 until 1965 by the Reprinting Committee, is now issued by a commercial publisher. Through the activities of its various units, RTSD has done much to encourage the publication of essential tools for the profession, outstanding examples of which are the *National Union Catalog, Union List of Serials, New Serial Titles,* and the *Directory of Reprographic Services.*

Continuing Education

RTSD has made strong contributions to the continuing education of technical services librarians, especially in its preconference and conference programming in all areas of division responsibility. The most recent example of RTSD commitment to continuing education has been its involvement in preparing librarians for AACR2 through regional workshops and institutes.

Three hundred eighty librarians attended a 1980 preconference that had the objectives of placing the revised code in its historical context and of providing guidelines to be used in planning for code adoption. Participants were designated regional resource persons and at least thirty-five regional workshops and seminars, many using materials developed for the preconference, were subsequently held to further disseminate information about AACR2.

During 1980 and 1981, fourteen regional institutes, cosponsored by RTSD and the Library of Congress, were held to present LC's plans for interpreting and applying AACR2. More than 2,300 librarians attended the highly praised institutes.

THE FUTURE

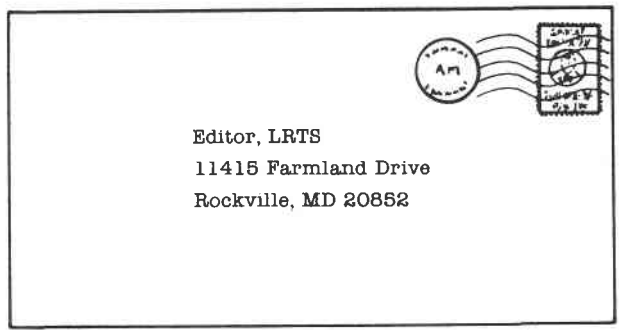
In its twenty-five productive years the Resources and Technical Services Division has remained a strong division and has provided its members with valuable programs, especially in the areas of standards, publications, and continuing education. How the division will fare in the future is, of course, impossible to foresee. The short-term prognosis is good because of the division's continuing efforts to achieve its five goals for action, namely: "(1) To implement the goals of the American Library Association. (2) To advance the professional interests of librarians engaged in the development of library resources and technical services. (3) To promote research and publication in areas of divisional interest. (4) To provide forums for the discussion of issues in the development of library resources and in technical services. (5) To cooperate with other units of the American Library Association and with other national and international organizations in areas of mutual interest."[31] To keep the division vital these goals will need periodic review and there will need to be a planning process that recognizes priorities, evaluates program effectiveness, and accurately predicts the issues that will affect the membership in the future. Membership involvement in division activities and a continuing commitment to cooperation at the national and international levels are also essential.

REFERENCES

1. "American Library Association Resources and Technical Services Division Bylaws," *Library Resources & Technical Services* 22:92 (Winter 1978).
2. Cresap, McCormick, and Paget, Management Consultants, "Management Survey," *ALA Bulletin* 49:438 (Sept. 1955).
3. ALA Council Steering Committee on the Implementation of the Management Survey, "Report," *ALA Bulletin* 50:165 (March 1956).
4. "ALA Steering Committee's Report to Council, June 25, 1956, on Implementation of the Management Survey," *ALA Bulletin* 50:530 (Sept. 1956).
5. Edwin B. Colburn, "In Retrospect; RTSD 1957–1967," *Library Resources & Technical Services* 11:5 (Winter 1967).
6. Margaret W. Ayrault and Sarah K. Vann, "RTSD . . . after Twenty Years. . . ," *Library Resources & Technical Services* 20:303 (Fall 1976).
7. "ACONDA Revised Recommendations on Democratization and Reorganization," *American Libraries* 2:81–92 (Jan. 1971); "Recommendations from ANACONDA," *American Libraries* 2:93–96 (Jan. 1971); and "ACONDA-ANACONDA Joint Report," *American Libraries* 2:523–25 (May 1971).

8. "ACONDA Revised Recommendations," p.83.
9. Robert Wedgeworth, "Reorganization of ALA/RTSD," *Library Resources & Technical Services* 16:422 (Fall 1972).
10. Glen A. Zimmerman, "Ad Hoc Committee on New Directions for RTSD Final Report," *Library Resources & Technical Services* 17:455–57 (Fall 1973).
11. "React before Restructuring," *American Libraries* 8:444 (Sept. 1977).
12. "Executive Board Highlights: Spring Meeting, April 26–27," *American Libraries* 9:383 (June 1978).
13. C. Donald Cook, "President's Report," *Library Resources & Technical Services* 15:534 (Fall 1971).*
14. Robert Wedgeworth, "State of the Association Report to Council," *American Libraries* 5:256 (May 1974).
15. Carol R. Kelm, "Executive Secretary's Report," *Library Resources & Technical Services* 20:76 (Winter 1976).
16. Dale M. Bentz, "President's Report," *Library Resources & Technical Services* 21:81 (Winter 1977).
17. William A. Gosling, "Report of the President," *Library Resources & Technical Services* 25:111 (Jan./March 1981).
18. Dorothy P. Ladd, "President's Report," *Library Resources & Technical Services* 19:66 (Winter 1975).
19. F. Bernice Field, "Annual Report of the President 1958/59," *Library Resources & Technical Services* 3:316–17 (Fall 1959).
20. David C. Weber, "RTSD Copying Methods Section Annual Report, 1964/65," *Library Resources & Technical Services* 10:107–8 (Winter 1966).
21. Doralyn J. Hickey, "Serials Section Report," *Library Resources & Technical Services* 15:543 (Fall 1971).
22. Edmund G. Hamann, "Serials Section Report," *Library Resources & Technical Services* 16:546 (Fall 1972).
23. Connie Dunlap, "President's Report," *Library Resources & Technical Services* 17:435 (Fall 1973).
24. Herbert Linville, "Serials Section Report," *Library Resources & Technical Services* 17:447 (Fall 1973).
25. Norman Stevens, "The resources and Technical Services Division of ALA," *Library Resources & Technical Services* 13:332–37 (Summer 1969).
26. Mathilda O'Bryant, "Acquisitions Section Report," *Library Resources & Technical Services* 17:440 (Fall 1973).
27. "Resources Section," *ALA Handbook of Organization, 1980/1981* (Chicago: American Library Assn., 1980), p.116.
28. Norman Dudley, "President's Report," *Library Resources & Technical Services* 23:75 (Winter 1979).
29. Cresap, McCormick, and Paget, "Management Survey," p.422.
30. Wedgeworth, "Reorganization of ALA/RTSD," p.422.
31. "Resources and Technical Services Division—Goals for Action,"

*An abridged title has been used in all references to the divisional and sectional annual reports.



From: *H. Paul Schrank, vice-chairman, Board of Trustees, OCLC.* —In "A Comparison of Library Tools for Monograph Verification" Elizabeth H. Groot states that in calculating the costs of the tools, one should consider that, ". . . an institution that owns any OCLC terminals *is required* (emphasis added) to join a network to which it must pay considerable monthly fees."

Not so. OCLC has encouraged libraries to obtain its services through regional and state networks because these networks usually offer additional services or other advantages to their members, but it is possible to join OCLC as an independent. There are few of these at present, but the option does exist.

From: *Pauline F. Micciche, RMSD manager, User Services Division, OCLC.* [Abridged]—. . . I would like, however, to correct some inaccuracies in [Elizabeth H. Groot's] information on membership in OCLC and terminal-related matters (LRTS, April/June 1981, p.160).

OCLC may be accessed either through a dedicated line terminal or through a dial access terminal. Members choosing dial access may either call the OCLC system directly . . . or through Tymnet. The 'connect charges' she mentions "for communications, to be paid for each hour or fraction thereof" are for Tymnet usage.

Members may join OCLC either through a network or directly as an independent. OCLC recommends network participation. Costs of network membership vary . . . with the variety of services and support they provide. The "considerable monthly fees" she alludes to may also include telecommunication charges for direct access to OCLC over its leased line network. . . .

From: *Peter Graham, systems officer, University Libraries, Indiana University.* [Abridged].—James R. Dwyer in his "Effect of Closed Catalogs on Public Access" (LRTS 25:186-95, April/June 1981) usefully reminds us that supplements to catalogs tend not to be used because of the multiple look-ups required. I am concerned, however, with how he arrived at this conclusion.

. . . his 1979 article [see his ref. no.2, p.194] made clear two points: that the microfiche catalog at Oregon was for the most part an add-on catalog, not a substitute for the card catalog; and that his study respondents were wholly self-selected.

Editor's note: Letters sent to the editor for publication in this column cannot be acknowledged, answered individually, or returned to the authors. Whenever space is available in an issue, selected letters will be published, with little or no editing, though abridgment may be required. Letters intended for publication should be typed double-spaced.

The fact that the card catalog in the main library continues to be open . . . will vastly reduce the user-perceived need for the microform version, and is sure to be associated with dissatisfaction with the relatively unfamiliar form. The dual catalogs do not invalidate Dwyer's conclusions, but readers should be aware of the difference from cases in which the microform catalog is in fact a substitute and the only catalog available.

More seriously, Dwyer's original article . . . includes this comment on his data-gathering: "Another problem was that the time to select a truly random sample and administer the questionnaires in a more scientific manner was not available. With questionnaires openly placed at every viewing station results are subject to skewing through self-selection." He surely understates the case. I would fully expect that the satisfied users would seldom volunteer to fill out questionnaires, while irate users would welcome the opportunity. . . .

From: *Harold D. Neikirk, associate librarian, Acquisitions Department, University of Delaware*—Our thanks to Elizabeth Groot ("A Comparison of Library Tools for Monographic Verification" LRTS 25:149-61) for proving to mathematical satisfaction that what we have been doing at the University of Delaware Library since 1978 is effective.

At the end of 1978 we stopped searching "to the bitter end." We also began to rely on the OCLC record as a local holdings statement as well as bibliographic verification showing choice and form of entry and so forth. This eliminated a great deal of unnecessary manual work in the card catalog and brought an immediate increase in productivity of about 40% (measured in terms of the number of title requests cleared for order).

Ms Groot's cost analysis is interesting, but not precisely realistic. On the one hand, it understates the economies to be realized by using OCLC as a dual purpose pre-order tool for current title requests, but on the other it appears to suggest that it is possible to subscribe to the OCLC service only in searching mode. The costs per transaction really cannot be compared with those of subscription to the standard verifying tools she identifies. A library cannot really "choose" between BPR and OCLC, or between *Books in Print* and OCLC. But a library which uses OCLC for cataloging certainly ought to use OCLC for pre-order work, and use BIP only when absolutely necessary.

Index to Library Resources & Technical Services

Volumes 1–25, 1957–1981

Compiled by Edward Swanson

Introduction

This index to volumes 1–25 of *Library resources & technical services* is divided into three parts: (1) Part 1, Author and Title Index, which includes titles of articles; and authors of articles, book reviews, letters to the editor, and reports; (2) Part 2, Subject Index, which includes subjects of articles, book reviews, letters to the editor, and reports; and (3) Part 3, Resources and Technical Services Division Index, which includes items by and about RTSD and its sections, committees, etc.

The following principles were followed in compiling the index:

1. Articles are indexed in Part 1 under title and author(s) and in Part 2 under subject(s). Authors who wrote articles under more than one name generally are listed under the latest name with reference from the other(s). Titles are listed under an author's name only if the author wrote more than one article. In such cases the titles are limited to twenty-five characters. Subtitles generally have been omitted from title entries. Articles and notes about individuals are indexed under the person's name in Part 2; pictures of an individual are indicated by "*port.*"
2. Reviews of books and articles are indexed in Part 1 under the name of the author of the review (indicated by "*review*") and in Part 2 under the subject(s) of the item reviewed (indicated by "*r*" following the volume and page numbers). Reviews published as articles also are indexed in Part 2 under the title of the book reviewed.
3. Letters to the editor are indexed in Part 1 under the name of the author of the letter (indicated by "*letter*"). Letters referring to a specific article in *LRTS* also are indexed in Part 1 under the title of the article referred to (indicated by "*c*" following the volume and page numbers). Letters not referring to a specific article are indexed in Part 2 under the subject of the letter (also indicated by "*c*").
4. Short, generally untitled, items are indexed in Part 2 under subject (indicated by "*n*" following the volume and page numbers).
5. The series of "year's work" articles are indexed in Part 2 under the general heading "Year's work articles," subdivided by "Cataloging and classification," "Reproduction of library materials," "Resources," "Serials," and "Technical Services." In addition, they are indexed under major subjects covered in the articles.
6. Reports and other information about RTSD and its sections, committees, etc., are indexed in Part 3 under the name of the division, section, committee,

Editor's Note: The editor gratefully acknowledges Edward Swanson's significant contribution to *LRTS* in compiling this 25-year cumulative index.

etc. Those reports on a specific subject also are indexed in Part 2 under the subject. Information on committee activities that appears as a part of the annual report of the division or a section has not been indexed separately under the name of the committee. Reports by individuals also are indexed in Part 1 under the name of the individual (indicated by "*report*").

The following principles govern the arrangement:

1. Entries are filed word by word following the "file-as-spelled" principle. Periods, colons, and dashes are treated as significant punctuation and have been taken into consideration in the arrangement.
2. Numerals precede alphabetical characters.
3. Acronyms with internal punctuation are filed as initials; those without internal punctuation are filed as words.
4. Subheadings generally are arranged alphabetically under the main heading.

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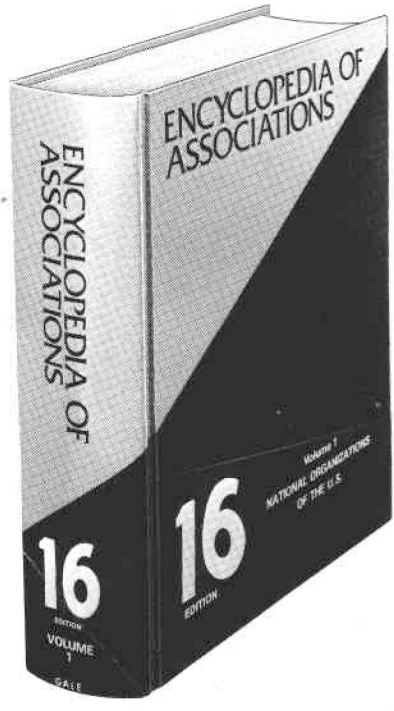

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