As your new Chair, I am delighted to have the opportunity to make some different types of contributions to Z39 than I have in past years. Within Z39 itself I have been our "corporate memory," the only member of the planning group in Jerry Orne's days who sat on the NCLIS Task Force to determine the future of Z39 and then served as a Councilor on the newly configured Z39. There I represented the publishing and bookselling worlds in which I have been one of the few voices calling for more understanding of Z39 and its standards. I can not stop either of these "functions," but there's more I want to do for Z39 in the future.

STANDARDS DEVELOPMENT is our reason for being. It is good to know that another "carry-over" from the Orne committee, Ted Brandhorst, will take over the Chair of our Program Committee. I expect he'll have a tough two years, with increased automation and telecommunication efforts requiring more coordination of our existing and potential standards.

INTERNAL OPERATIONS have grown increasingly smoother in the transition from Chapel Hill to the National Bureau of Standards in Gaithersburg, MD; from Jerry Orne to Jim Wood to Pat Berger as Z39 Chair; from Jerry Orne to Bob Frase to Pat Harris as Executive Director; and from an ad hoc group of policy makers to an incorporated entity. This year we expect to file for our 501(c)(3) status with the IRS and for standing as an Accredited Standards Developing Organization with ANSI. To do this, a Bylaws Committee of Bob Tannehill (Chair), Sally McCallum, and Pat Harris will rework our bylaws and procedures to ensure that they meet IRS and ANSI requirements - and our own operational needs.

NATIONAL AND INTERNATIONAL PRESENCE is what I think Z39 has been missing. One reason is that those of us who take personal pleasure in the development of useful and well-used standards, have become what I call "a secret society of old timers." We talk about Z39.2 and expect everyone to translate that to MARC. We drop "TC46s" in conversation without reference to the International Standards Organization, of which 46 is the Technical Committee concerned with the same areas of standardization as those served by Z39. We refer to "Z39" in groups that stare at us unknowingly and nod their heads - probably with fatigue. The time is right for changing this scenario. Next month, at the Executive Council meeting, we will review the suggestions we received for our new name and select a winner. And it will be a winner - understandable to all who hear or see it! Maybe, just maybe, if we, the "secret society of old timers," change our name and drop our alphabet and numerical soup of references, we can bring new blood into the fold - people in libraries, publishing houses, bookstores, data base vendors, networks and other areas who are using the new technology and know that standards are essential for their successful future. (Continued on p. 14)
OUR FUTURE is of concern to such people and to me. Today we are financially secure and hope to remain so under the guidance of our Finance Committee, chaired by Seldon Terrant. This will happen if we keep our existing members and add more - particularly in areas now under-represented among the membership. That is the challenge facing the Membership Committee, under Larry Besant's direction. Supporting this membership drive and the changed image of Z39 is our Publicity Committee, composed of Chair Linda Bartley and a talented group of people. The names of all Z39 Officers and Executive Council Committee members appear in this issue. We will keep you posted on the activities of these committees in future issues of the VOICE, in a special area devoted to Executive Council activity. But where are we going in the long term? How can we best utilize the talents and contacts of the many individuals in our member organizations? on our subcommittees? at ANSI? How can we better serve our constituents? To answer these questions and help provide advice to the Executive Council and its Committees, we have appointed a new Future Planning Committee. Chaired by Susan Vita, this group of individuals from the areas served by Z39 will brainstorm, investigate, and do whatever they consider necessary to provide Z39 with positive direction for the future.

YOU are reading this newsletter because you are interested in the work of Z39. If you think that there's something more we should be doing, tell me about it. You represent the world we are trying to reach with our efforts - do let me know how we can better serve you.

Sandra K. Paul

At the 1983 American Library Association Annual Conference, the details of a nationwide contest to solicit suggestions for a new name for the Z39 standards organization were announced.

Until this year, Z39 existed as an activity of the Council of National Library and Information Associations (CNLIA) and reported on standards matters through CNLIA to the American National Standards Institute. As a result of joint planning between CNLIA and Z39, Z39 now has achieved independent status as an educational association incorporated in the District of Columbia. In this capacity, Z39 will seek a direct relationship to ANSI as an accredited standards organization.

Interested individuals and organizations are invited to submit one or more suggested names. All entries must be postmarked no later than October 15, 1983; entries should be sent to: ANSC Z39 Name Contest, NBS, Library E106, Washington, D.C. 20234. The entries will be judged by the Executive Council of Z39.

The submitter of the winning entry will be awarded a complete set of Z39's published standards and a Z39 Standards Bear, "Er".


Sandra K. Paul, Chairperson; Patricia R. Harris, Executive Director.
The VOICE is published three times a year and is sent to all Z39 voting members, information members, members of standards subcommittees and others on request.

ISSN 0163-626X Voice of Z39, Vol. 5, No. 2 September 1983
BOSTON LIBRARY CONSORTIUM

SPONSORS PROGRAM ON

"PHILOSOPHICAL AND

PRACTICAL IMPLICATIONS OF

LIBRARY AUTOMATION STANDARDS"

Over 200 Boston-area librarians attended the June 10, 1983 program of the Boston Library Consortium on "Philosophical and Practical Implications of Library Automation Standards". The program concentrated on standards for formatting, storing and retrieving information such as bibliographic records, serials holdings statements, and journal indexing. The session was designed to explain the philosophical and practical thinking underlying the development of standards and the need for the creation of new ones. Sandra K. Paul gave the opening address, "Demystifying Library Standards." Paul described the "unsexy, longerterm, arduous task of developing technical standards" through volunteer activity on committees such as those within the American Library Association and Z39. "The satisfaction of seeing something work is the reward for your effort," she said, as she exhorted greater involvement by the library community in the standards development process.

The second speaker, Elaine Woods, whose topic was "Communicating with Standards: the MARC Formats", echoed Paul's call for greater library involvement in the standards development process. Woods referred to the MARC formats as "de facto standards", because although they are a "widely used, well known set of guidelines with the force of standards", they have never been formally approved as such in all their parts. She stressed the benefits of using the MARC formats as being: cost saving, in that they make possible the sharing of cataloging data through LC and utilities such as OCLC; as promoting a "resource sharing environment"; and as making the development of general-purpose library automation software possible. She identified areas of further need for standards, such as for analytics and holdings (both already in the works), for online display, and for a bridge between the library and the abstracting and indexing communities.

Mary Pensyl, in discussing "Changing Standards for On-Line Bibliographic Services", drew attention to the "completely unstandardized bibliographic environment." No formal standards exist for the bibliographic database industry; and unlike cataloging where LC has had the force of the "500 pound gorilla who can sleep anywhere he likes", no one database producer or vendor has emerged to set de facto standards. Over 1,000 bibliographic databases are commercially available, comprising over 300 million records; but very few of these databases are built, accessed, or displayed the same way. That users find the situation intolerable is made evident by the fact that although it can be cheaper to access certain databases via the producers' own systems, the users show their preference for more standardized access by opting to pay the higher cost to multi-database vendors such as BRS and Lockheed, who group databases under unifying protocols. Ms. Pensyl described the efforts which have recently been initiated to develop the needed bibliographic database standards. American National Standards Committee Z39 subcommittee G has been established for this purpose and is working with a similar ISO committee. However, the degree to which standardization is desired is unclear, and there seems to be "no rationalization for doing things one way rather than the other" in bibliographic database searching. Also, relatively little is understood about the ways in which people intellectually look for information, their "idea tactics." Parallel efforts to "standardize" by mechanically imposing a unifying structure (network or software) on the many databases in a transparent, "user-friendly" fashion are hampered by the complexities of language itself, the context-dependency of words, the approximation of reality which the written work represents. That all these concerns are more than incidental for the library profession was emphasized by Ms. Pensyl's asking "Who's being turned loose on the paying customer? How are these searchers being trained? Can libraries be held legally accountable for dispensing inadequate information?"

(Continued on p. 16)
Mary Ellen Clapper braved an excursion into "The Development of Serial Holdings Standards." Her discussion served to illustrate not only the complexities of this particular subject, but also why it takes so long to develop any standard through the established formal procedures.

Richard Talbot delivered the program's summary remarks; cautioning that "standards ought to be our servants, not we their slaves", he concluded with the observation that "we live within a web of consistency on which our lives depend". That is, standards are not only desirable but quite necessary for the continued accomplishment of any imaginable activity.

ANSI recently announced the availability of Standardization and Documentation: An Introduction for Documentalists and Librarians. This new publication describes the uses of standards in the information workplace and will answer such questions as: "Are there any standards or regulations on a product or service?", "What is the equivalent national or international standard?", "Where can I get the standard?". Included are chapters on "Standards - their functions, characteristics, grouping, classification, and identification; national standards bodies of several countries; activities of the International Standards Organization (ISO) and the International Electrotechnical Commission (IEC); and, European standardizing groups. This 94-page guide is available from ANSI for $17; call the ANSI sales department at 212-354-3473 or write ANSI, 1430 Broadway, New York, NY 10018.

Z39 welcomes your suggestions on new topics for standardization. Do you see a problem or inefficiency that a new Z39 standard would solve? If so, tell us about your idea. A "Standards Recommendation Form" is page 25 of this newsletter. Please complete the form and return it to the Z39 office: ANSC Z39, U. S. Dept. of Commerce, National Bureau of Standards, Library-Room E106, Washington, DC 20234. Your suggestion will be reviewed by the Z39 Program Committee. In developing your recommendation consider these questions: What existing standards will be impacted? What groups will be affected? What costs will be incurred? What groups will benefit?
In June 1983, the members of Z39 voted to approve the establishment of a standards subcommittee to develop an American National Standard Code for Serial Issues and Items Published Within Serials. The purpose of this new code is to identify positively each issue of a serial and each item published in a serial. Such a code will greatly facilitate automated serials control systems, serials check-in, and circulation. Chair of this standards Subcommittee is Wendy Riedel, Head of the National Serials Data Program at the Library of Congress; committee members include: Brett Butler (IAC); Mary Ellen Clapper (Faxon); Ron Gardner (OCLC, Inc.); Syd Jones (UTLAS); Scott McFarland (R.R. Bowker); and James Wood (Chemical Abstracts Service). To be placed on the Observors List for this subcommittee, please contact the Z39 Offices at (301) 921-3241.

The Association of American Publishers has announced that Aspen Systems Corporation (Rockville, MD and New York City) will direct a $250,000 project to develop industrywide standards for preparing and processing electronic manuscripts. The Council on Library Resources is a co-sponsor of the two-year project. The goal is to develop standards which will enable authors to create a transferable electronic file that can be processed on any machine and used as input for any application. Publishers will then provide editing and proofreading functions and transmit formatted data for publishing without rekeying the manuscript. Z39 will be represented on this project's review board by Ted Brandhorst (Vice-Chair of Z39 and Chair of the Z39 Program Committee). Also represented on the review board will be the Library of Congress, the National Library of Medicine, the Medical Library Association, the Association of American University Presses, the Society for Scholarly Publishing, the NFAIS, the Authors Guild, the American Council of Biology Editors, the Institute of Electrical Engineers, the ACS, the American Institute of Physics, the American Mathematical Society, the American Society of Mechanical Engineers and the International Group of Scientific, Technical, and Medical Publishers. In addition, publishers of major style manuals for authors - The University of Chicago Press, the Modern Language Association, McGraw-Hill and ISI Press - will be represented on the review board. The University of Chicago Press has offered to incorporate the resultant guidelines in a future edition of its Manual of Style.
American National Standard Z39.45 "Claims of Missing Issues of Serials" was published in August and is now available from ANSI. This standard identifies the data elements to be included in a serial claim and the sequence of the elements for maximum efficiency. A recommended preprinted claim form is included in the standard. Z39.45 was written by Standards Subcommittee 42, chaired by Lois N. Upham; members of SC 42 include: Josephine A. Angus; Frank Clasquin; Andrea Honebrink; Margaret L. Johnson; Emma G. Montgomery; and Jerome Pennington.

American National Standard Z39.46 "Identification of Bibliographic Data on and Relating to Patent Documents" was also published in August. This standard provides a list of approximately fifty distinct pieces of bibliographic data widely used on the first page of patent documents or in patent gazettes. They are identified through code numbers, the "INID Codes" or "INID Numbers" (INID stands for "Internationally Agreed Numbers for the Identification of Data"). The bibliographic data covered in the recommendation include data for the document identification, filing data, priority data, publication data and data concerning technical information as well as data related to International Patent Conventions. Z39.46 was written by Subcommittee H, chaired by Philip Pollick; members of SC H included: Harry Alcock; Dr. William G. Andrus; Joseph P. Daniszewski; Philip M. Dunson; Sophie K. Hudnut and Ethan A. Hurd.

Thanks and congratulations to the members of SC 42 and SC H for producing two outstanding standards.

The 1983 revision of Z39.20 "Criteria for Price Indexes For Library Materials" is now available. A price index is an economic indicator which illustrates price changes in a fixed time period. This standard describes the essential characteristics of a variety of library materials (hard cover and paperback books, periodicals, newspapers, nonprint media, etc.) to assure that the library price index is as accurate as possible. This standard was revised by Z39's Subcommittee I, chaired by Fred C. Lynden; members of SC I included: Jeffrey J. Gardner; Gary Ink; Gertrude Jennings; Gerald Lowell; Robert C. Sullivan; and Sally F. Williams.

Many thanks to this group for their hard work and many efforts which lead to the revision of Z39.20.
Z39 STANDARDS ACTION

This is a capsule report on the work that is ongoing in Z39's 22 standards subcommittees; to request a copy of a draft standard or to be placed on the Observer's List for any subcommittee, contact the Z39 Office (301-921-3241); to learn more about a particular subcommittee's work, contact the subcommittee chairperson.

Z39.1-1977
Periodicals:
Format and Arrangement
SC Q

A draft standard will be circulated for comment in October 1983. SC Q chair: Ed Barnas, John Wiley & Sons, 605 3rd Avenue, New York, NY 10016 (212) 850-6000.

Z39.4-1968(R1974)
Basic Criteria for Indexes
SC K

The draft revision balloted in 1982 resulted in three negative votes; Bob Tannehill is negotiating consensus on this standard.

Z39.5-1969(R1974)
Abbreviation of Titles of Publications
SC A

Z39.5 has been revised so it is compatible with its corresponding international standard ISO 4. The revised text of Z39.5 was circulated for comment and vote in June 1983; two negative votes resulted; Bob Tannehill is negotiating consensus.

Z39.10-1977
Directories of Libraries and Information Centers
SC X

SC X has been organized and work will begin soon. For further information, contact the chair of SC X: Scott Bruntjen, PRLC, Beatty Hall, Chatham College, Pittsburgh, PA 15232 (412) 441-6409.

Z39.18-1974
Guidelines for Format & Production of Scientific and Technical Reports
SC P

A new standards subcommittee is being organized to revise Z39.18-1974; Thomas Pinelli of the NASA Research Facility is chairing this committee. For further information contact: Thomas E. Pinelli, NASA Langley Research Center, Mail Stop 425, Hampton, VA, 23665 (804) 865-2994.

Z39.23-1983
Standard Technical Report Number

This standard was revised and approved in 1983; the National Technical Information Service has agreed to continue serving as the maintenance agency for Z39.23; Z39.23 was sent to the Board of Standards Review for ANSI approval on June 17, 1983 and will be published in 1984.

Z39.29-1977
Bibliographic References

Bob Tannehill, Ellis Mount, Victor Rosenberg, and Ben Weil are working on the revision of Z39.29. For further information contact: Bob Tannehill, Chemical Abstracts Service, P.O. Box 3012, Columbus, OH 43210 (614) 421-3600, Ext. 2028.)
NEW STANDARDS NOW IN DEVELOPMENT

<table>
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<tr>
<th>Language Codes</th>
<th>This subcommittee is now organizing; for further information, contact the subcommittee chair, John Byrum, Descriptive Cataloging Division, Library of Congress, Washington, D.C. 20540 (202) 287-5194.</th>
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<tr>
<td>SC C</td>
<td>To further details and to request a copy of the latest ISO draft: Pauline Cochrane, Syracuse University, School of Information Studies, 113 Euclid Ave., Syracuse, NY 13210 (315) 423-2911.</td>
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<td>Computer-to-Computer Protocol</td>
<td>David Hartmann, Chair of SC D, reports that SC D's standardization strategy is to base the proposed Z39 standard on the protocols developed by the Link Systems Project. SC D is investigating a mechanism for maintaining protocol parameter values, a file transfer protocol for library applications, and an intersystem interlibrary loan protocol. SC D chair: David Hartmann, MITRE Corp., Dept. W73, Mail Stop W966, 1820 Dolly Madison Blvd., McLean, VA 22101 (703) 827-6782.</td>
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<tr>
<td>SC D</td>
<td>The subcommittee is preparing a new draft standard which will present a standard serials holdings statement at the summary and detailed levels. The draft will be circulated for comment in October 1983. SC E chair: Susan Brynteson, Director of Libraries, University of Delaware Libraries, Newark, DE 19711 (302) 738-2231.</td>
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<td>Serials Holdings</td>
<td>This subcommittee has been suspended until the international standard retrieval system command language is nearer completion. Pauline Cochrane, chair of SC G, is serving as the Z39 liaison to ISO/TC 46/WG 5, the international standards committee working in this area. In February 1983, Cochrane attended this group's meeting; two draft standards were reviewed and agreement reached on a tentative list of commands. Contact Cochrane for further details and to request a copy of the latest ISO draft: Pauline Cochrane, Syracuse University, School of Information Studies, 113 Euclid Ave., Syracuse, NY 13210 (315) 423-2911.</td>
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<td>Statements at the</td>
<td>Ted Brandhorst, Chair of SC J, reports that during the October 1983 conference of the American Society for Information Science, the subcommittee will meet and that committee members are now carrying out individual work assignments. SC J chair: Ted Brandhorst, Director, ERIC Processing &amp; Reference Facility, 4833 Rugby Ave., Suite 303, Bethesda, MD 20814 (301) 656-9723.</td>
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<td>Summary and Detailed</td>
<td>Two discussion papers on Romanization were circulated for comment to the Z39 voting members in June 1983. SC L chair: Charles Husbands, OSPR, Widener 88, Harvard University Library, Cambridge, MA 02138 (617) 495-3742.</td>
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A draft standard on Latin Character Sets was circulated for a vote in June 1983; two negative votes resulted. SC N chair: Charles Payne, University of Chicago Library, Chicago, IL 60637 (312) 962-8748.

A literature review has been completed and a report and guidelines are now in preparation. The guidelines will be circulated for comment in 1984. SC R chair: Paul Banks, Columbia University, School of Library Service, 516 Butler Library, New York, NY 10027 (212) 280-4178.

A revised draft standard was distributed for vote in June 1983; one negative vote resulted. SC S chair: Gay Walker, Yale University Library, Box 1603A, Yale Station, New Haven, CT 06520 (203) 436-8176.

A draft standard will be circulated for comment during 1983. SC T chair: Peter Jacobs, Professional Media Service Corp., 1448 W. Rosecrans Ave., Gardena, CA 90249 (213) 532-9024.

SC U met during the 1983 ALA Annual Conference and will meet again in New York City in September to review a draft standard. SC U chair: Ernest Muro, Baker & Taylor Company, 6 Kirby Avenue, Somerville, NJ 08876 (201) 526-8000.

This subcommittee is now being organized. Please contact Ted Brandhorst if you would like to work on this topic, (301) 656-9723.


Louis C. Willard, the chair of SC Z, is currently organizing a subcommittee to begin work on this standard. SC Z chair: Louis C. Willard, Speer Library, Princeton Theological Seminary, P.O. Box 111, Princeton, NJ 08540 (609) 921-8092.

SC AA met during the 1983 ALA Conference; the group has defined the data elements to be included on the ILL form; they will meet again in January 1984. SC AA chair: Olive James, Loan Division, Library of Congress, Washington, D.C. 20540 (202) 287-5440.
SC BB had its second meeting in July 1983. SC BB chair: David R. Cohen, Technique Learning Corp., 40 Cedar Street, Dobbs Ferry, NY 10522 (914) 693-5956.


The draft standard for the romanization of Yiddish was sent to the ANSI Board of Standards Review July 18, 1983; public comment closes October 18, 1983. SC 5 chair: Herbert Zafren, Hebrew Union College, Jewish Institute of Religion, 3103 Clifton Avenue, Cincinnati, OH 45220 (512) 221-1875.

F I N A L

NOTICE TO ALL READERS

The Voice mailing list is being revised. Please let us know if you wish to be kept on the list. The Voice will continue to be sent to Z39 Voting Members and Voting Representatives, Information Members, Z39 Officers, Honorary Members, and Z39 Subcommittees.

YES, keep my name on the Voice of Z39 mailing list:

Name

Address

City ______ State ______ ZIP ______

RETURN BY October 15, 1983 TO:

ANSC Z39
U.S. Department of Commerce
National Bureau of Standards
Admin. 101, Library Rm. E106
Washington, D.C. 20234

ISSN 0163-626X Voice of Z39, Vol. 5, No. 2 September 1983
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Coordinating Committee: Ted Brandhorst
Pat Harris, alternate

ANSI/ISSB/International Standards
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Sandy Paul, alternate

UNESCO/PGI: Sandy Paul
AAP/Aspen Systems/Electronic Manuscripts Project: Ted Brandhorst
ISBN Agency Advisory Board: Joseph Howard
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President
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(term expires 6/30/86)
RECOMMENDED BY

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PHONE

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<th>NAME OF RECOMMENDED STANDARD:</th>
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PURPOSE OF RECOMMENDED STANDARD:

SCOPE OF RECOMMENDED STANDARD:

APPLICABILITY OF RECOMMENDED STANDARD:

USERS/BENEFICIARIES OF RECOMMENDED STANDARD:

POTENTIAL FUNDING SOURCE(S):  SUGGESTED SUBCOMMITTEE MEMBERS:

Chairperson:


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