DOCUMENT RESUME

ED 388 320 IR 055 825

AUTHOR Parang, Elizabeth, Comp.; Saunders, Laverna, Comp.
TITLE Electronic Journals in ARL Libraries: Policies and Procedures. SPEC Kit 201 and Flyer 201.
INSTITUTION Association of Research Libraries, Washington, D.C. Office of Management Services.
REPORT NO ISSN-0160-3582
PUB DATE Aug 94
NOTE 119p.; For companion Kit 202, see IR 055 826.
AVAILABLE FROM ARL Publications Department, Association of Research Libraries, Suite 800, 21 Dupont Circle, N.W., Washington, DC 20036.
PUB TYPE Guides - Non-Classroom Use (055) -- Reports - Evaluative/Feasibility (142) -- Reports - Research/Technical (143)

EDRS PRICE MF01/PC05 Plus Postage.
DESCRIPTORS *Access to Information; Criteria; Full Text Databases; Guides; Higher Education; *Information Dissemination; Library Acquisition; Library Collection Development; Library Material Selection; *Library Policy; *Library Services; Pamphlets; *Research Libraries; Resource Materials; *Scholarly Journals; Surveys; Training
IDENTIFIERS Association of Research Libraries; BITNET; *Electronic Journals; Internet; Remote Electronic Access Delivery of Information

ABSTRACT

Scholarly journal publishing is undergoing a transformation from paper to electronic distribution. Members of the Association of Research Libraries (ARL) have become pioneers in providing access to electronic journals. Because the policies and procedures that these libraries have developed can be guides for other libraries, a survey was sent to ARL members. Seventy-seven of 119 questionnaires (65% response rate) were returned. Task-force reports from six institutions are presented in a companion kit (Kit 202) from the ARL Systems and Procedures Exchange Center (SPEC). Thirty-five libraries currently receive electronic journals, but only five have collection policies that are specifically developed for electronic journals. Fifteen libraries report that selection criteria are different for electronic journals, with technical compatibility the most important aspect of selection. Nearly one-fourth of the libraries have established special procedures for acquiring electronic journals, and approximately one-third have established a BITNET/Internet account for receiving them. Electronic journals are made available in a number of ways, the most common being gopher access, which is access to remote sites through computer and electronic networks. At this time, most are inexpensive or free. A list of 77 selected readings is attached. (SLD)

**********
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
**********

SPEC

SYSTEMS AND PROCEDURES EXCHANGE CENTER

# Kit 201

## Electronic Journals in ARL Libraries: Policies and Procedures

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

☐ This document has been reproduced as received from the person or organization originating it

☐ Minor changes have been made to improve reproduction quality

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy

ED 388 320

BEST COPY AVAILABLE

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

C.A. Mandel

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

IR055825

ASSOCIATION OF RESEARCH LIBRARIES

OFFICE OF MANAGEMENT SERVICES

ERIC

SYSTEMS AND PROCEDURES EXCHANGE CENTER

# Flyer 201

## Electronic Journals in ARL Libraries: Policies and Procedures

August 1994

### INTRODUCTION

Scholarly journal publishing is undergoing a transformation from paper to electronic distribution. At the February 1991 OCLC Users Council meeting, Ann Okerson predicted that in the next five years electronic journals would increase, causing "bibliographic confusion and chaos for utilities and libraries." Accepting the challenge, ARL libraries have become pioneers in providing access to electronic journals. The policies and procedures developed by research libraries can be used as models or guides for decision making regarding collection development, acquisitions, cataloging, public access, staffing and training, and preservation issues.

Electronic journals are typically issued in electronic format only and are made available over the Internet or major networks such as BITNET. Scholarly electronic journals generally originate in academic institutions, are usually free of charge to subscribers, and attempt to imitate the basic features of print serials: table of contents, numerically defined issues, articles, reviews, ISSN#. In addition to scholarly titles, the Committee on Institutional Cooperation (CIC) has chosen to include in their CICNet archive electronic newsletters, newspapers and zines (small independently published magazines) and exclude discussion-oriented e-mail from a news group or listserv.

### SURVEY RESULTS

A SPEC survey was sent to 119 members of the Association of Research Libraries (ARL) early in 1994. This study was undertaken to determine the policies and practices of ARL libraries in selecting, acquiring and providing access to electronic journals. A total of 77 questionnaires were returned (a 65% response rate), although two respondents indicated that they were not prepared to participate in the survey at this time.

Task force reports were submitted from libraries at Cornell University, Massachusetts Institute of Technology, Virginia Polytechnic Institute, University of Tennessee, University of Alberta, and the University of California-Berkeley. These reports are presented in companion SPEC Kit #202, *Electronic Journals in ARL Libraries: Issues and Trends.*

*Collection Development.* Of the thirty-five libraries currently receiving electronic journals, only five have collection development policies which address making electronic journals available. Fifteen (43%) reported that selection criteria for electronic journals are different than those for paper journals, while nineteen (54%) indicated that the criteria were the same. Technical compatibility or incompatibility was the most common factor considered in selecting electronic journals (63%). Faculty request for a subscription was another major factor considered (51%) as were coverage of an area where speed of publication is important and the importance of interactive or online format (both considered by 43%).

Only one respondent had a line item in the materials budget specifically for electronic journals. Most acquired only electronic journals that were available free over the Internet.

*Acquisitions Practices.* Approximately one-fourth of the libraries had established special procedures specifically for acquiring electronic journals. Six (17%) used the same acquisitions procedures as for paper journals while twenty (57%) used the same procedures with modifications. While purchase orders were sent by various means (37% through the mail, 43% through Internet/Bitnet, and 14% each by phone and fax), invoices for paid subscriptions were received predominantly by mail (48%). Only one library reported the receipt of invoices through Internet/Bitnet.

Slightly less than one-third of the libraries have established a BITNET/Internet account specifically for receiving electronic journals. Sixteen libraries check daily for new issues, three check weekly, and five have automated receipt. Only seven libraries report check-in of electronic journals: five check in the issues on their automated serials control systems and three on a manual system. No one reported attempting to provide check-in information for journals available through gopher/remote access.

*Cataloging Practices.* Cataloging records are generally created for the online catalog using copy obtained from a utility, and complete original cataloging is done when no copy is available. Twenty (57%) report utilizing the same level of cataloging as for paper journals and twenty-one (60%) report

using standard subject headings (LCSH, NLM). Thirty-seven percent report assigning call numbers to electronic journals as well as paper journals while 43% do not add call numbers to the electronic journals although they do to paper journals. Electronic journals are identified by eighteen libraries by adding the GMD field [computer file], eighteen add MARC field 500 notes and six add a MARC field 265 note. Fourteen (40%) include the instructions for accessing electronic journals in the cataloging record, while four (11%) do not.

Of those libraries providing gopher/remote access to electronic journals, thirteen (37%) created a catalog record on the OPAC while seventeen (48%) did not.

*Public Access.* Electronic journals are made available to users in a variety of ways, the most common being gopher access to remote sites (88%). Other frequently used methods for providing public access include: campus-wide computer network/information system (66%), telnet access for remote users (34%), library online catalog (23%), public terminals with Internet/Bitnet access and a library account (26%), or access only to those with Internet/Bitnet accounts (17%). Only two libraries indicated that electronic journals were downloaded to diskettes for access on personal computers; three indicated that paper copy was available for those not willing/able to use computers; and four indicated that electronic journals were available only in the library.

*Staffing and Training.* The personnel responsible for handling electronic journals varied considerably, with the most common being the serials department, acquisitions department, or library computer specialist. The method of training also showed a wide variation. While seventeen used group instruction and eleven used individual instruction, the source of the instruction varied widely: Head of Serials (1), Head of Acquisitions (2), Campus computer center staff (4), Systems Librarian (5), in-house training expert (5), Library Instruction staff (6), in-house computer specialist (9), or self-training (12). Obviously some had more than one source of instruction and several mentioned that staff with more expertise trained others. The methods employed ranged from structured classes (15) to one-to-one verbal instruction (14) and included in-house manuals (9) and software tutorial programs (1).

*Preservation.* The most common arrangement for archival copies is dependence on the publisher for back issues (28%). Nine libraries (26%) depend on a consortium which maintains an archive, nine (26%) maintain an electronic file in the computer center and/or library while six libraries report having no arrangement for archival copies.

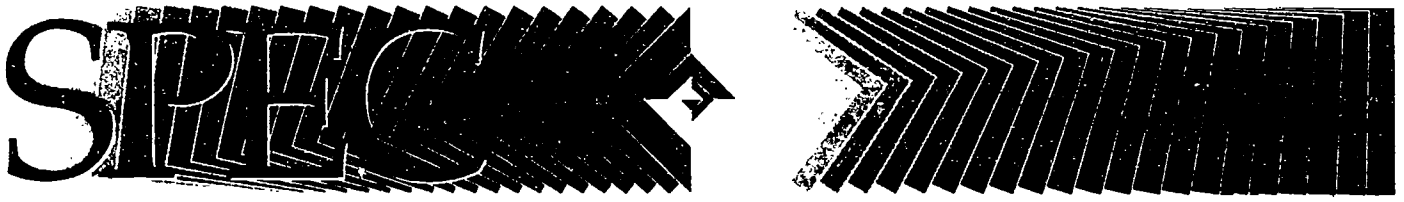
## ISSUES AND TRENDS

A significant number of ARL libraries are either investigating or offering local and remote access to electronic journals. Typically, a representative task force of library staff determines internal policies and procedures for electronic journals. Thus far, ARL libraries have followed traditional methods for selection, acquisition, cataloging, and other processing functions. At this point in time, most electronic journals are inexpensive or free, and the primary distinction is between titles which are processed and stored locally versus those which are accessed through remote gopher servers. Some libraries also provide catalog records with instructions for locating remote electronic journals.

The decade of the 1990s will continue to be an era of experimentation, with research libraries individually and collectively involved in providing local and remote access to electronic journals. The policies and procedures associated with selection, acquisitions, cataloging, public access, staffing and training and preservation will evolve as scholarly publishing changes.

*This Kit and Flyer was prepared by Elizabeth Parang, Head Serials Librarian, and Laverna Saunders, Assistant University Librarian for Technical Services, University of Nevada, Las Vegas, and was prepared as part of the OMS Collaborative Research/Writing Program.*

SPEC Kit and SPEC Flyer (ISSN 0160 3582) Copyright ©1994 by the Association of Research Libraries, Office of Management Services. OMS grants blanket permission to reproduce this information for educational use as long as complete attribution is given. For commercial use, requests should be sent to the ARL Publications Department, Association of Research Libraries, Suite 800, 21 Dupont Circle, NW, ;ton, DC 20036. SPEC Kits and Flyers are available by subscription. Individual back issues may be purchased by contacting the blications Department.



SYSTEMS AND PROCEDURES EXCHANGE CENTER

# Electronic Journals in ARL Libraries: Policies and Procedures

A SPEC Kit compiled by

Elizabeth Parang
and
Laverna Saunders
University of Nevada, Las Vegas

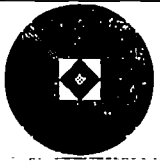
August 1994

Editor.....Susan Jurow, Director, ARL Office of Management Services

Production Manager.....Annette C. Verna, Program Assistant for Marketing and Production

SPEC Kits are published by the
Association of Research Libraries
Office of Management Services
21 Dupont Circle, NW
Washington, DC 20036
(202)296-8656
FAX (202)872-0884

Copyright ©1994 by the Association of Research Libraries,
Office of Management Services
ISSN# 0160 3582



# Systems and Procedures Exchange Center: Supporting Effective Library Management for Over Twenty Years

The ARL Office of Management Services has served the library community for over twenty years with programs and publications geared toward improving performance in library management. The SPEC program was established in 1973 to identify expertise and encourage its exchange among library staff through an on-going survey and review process. Originally established as an information source for ARL member libraries, the SPEC program has grown to serve the needs of the library community world-wide.

## What are SPEC Kits and Flyers?

Published ten times per year, SPEC Kits and Flyers contain the most valuable, up-to-date information on the latest issues of concern to libraries and librarians today. SPEC Kits and Flyers are the result of a program of surveys on a variety of topics related to current practice and management of library programs in the ARL membership. The SPEC Flyer is a two-page summary of the status of a current area of interest. It comments on the present situation, reports on the results of an ARL membership survey, and forecasts future trends. The SPEC Kit contains the SPEC Flyer and the best representative supporting documentation from the survey in the form of policy statements, handbooks, manuals, cost studies, user studies, procedure statements, planning materials, and issue summaries. A valuable feature of each SPEC Kit is its selected reading list containing the most current literature available on the topic for further study.

## Subscribe to SPEC Kits

Subscribers tell us that the information contained in SPEC Kits and Flyers is valuable to a variety of users, both inside and outside the library. The SPEC Flyer is an inexpensive current awareness tool for keeping up-to-date on important library management topics. The documentation found in SPEC Kits is a good point of departure for research and problem solving. SPEC Kits and Flyers lend immediate authority to proposals and aid in setting standards for designing programs or writing procedure statements. SPEC Kits function as an important reference tool for library administrators, staff, students, and professionals in allied disciplines who may not have access to this kind of information.

SPEC Kits and Flyers can be ordered directly from the ARL Office of Management Services or through your library vendor or subscription agent. For more information contact the ARL Publications Department at (202)296-8656 or fax to (202)872-0884.

SYSTEMS AND PROCEDURES EXCHANGE CENTER

# Kit 201

Electronic Journals
in ARL Libraries:
Policies and Procedures

August 1994

## Table of Contents


**Survey Results** . . . . . 3

**Collection Development Policy and Procedure Statements**
- Massachusetts Institute of Technology . . . . . 27
- University of Nebraska-Lincoln . . . . . 41
- University of Saskatchewan . . . . . 59

**Training Documents**
- Massachusetts Institute of Technology . . . . . 65
- University of Saskatchewan . . . . . 67
- Virginia Polytechnic Institute and State University . . . . . 73

**Sample Gopher & OPAC Screens**
- Colorado State University . . . . . 77
- Massachusetts Institute of Technology . . . . . 81
- University of Minnesota . . . . . 83
- Northwestern University . . . . . 87
- Pennsylvania State University . . . . . 93
- University of Saskatchewan . . . . . 95
- Virginia Polytechnic Institute and State University . . . . . 97
- University of Waterloo . . . . . 107

**Selected Readings** . . . . . 115



ASSOCIATION OF RESEARCH LIBRARIES

OFFICE OF MANAGEMENT SERVICES


ERIC

SYSTEMS AND PROCEDURES EXCHANGE CENTER

# SURVEY RESULTS

ASSOCIATION OF RESEARCH LIBRARIES

OFFICE OF MANAGEMENT SERVICES

**TO:** SPEC Liaisons

**FROM:** C. Brigid Welch, Director of Information Services CBW
Ann Okerson, Director, ARL Office of Scientific and Academic Publishing

**DATE:** 13 January 1994

**SUBJ:** SPEC Survey on Electronic Journals in ARL Libraries

We are seeking your assistance in completing this important SPEC survey on the policies and practices of ARL libraries in acquiring and providing access to electronic journals. This survey was originally developed by Laverna Saunders, Assistant University Librarian for Technical Services, and Elizabeth Parang, Cataloging Librarian, University of Nevada-Las Vegas to poll the academic libraries in AMIGOS and has been adapted for use by the ARL Working Group on Electronic Serials: Acquisition, Storage, Dissemination, and Service to gather benchmark data on electronic journal collections in ARL Libraries.

In addition, the data gathered in this survey will be used to publish a SPEC kit on electronic journals in ARL libraries in the summer of 1994. We would appreciate receiving any relevant documentation related to the acquisition and management of electronic journals along with your survey response. Your prompt response to this survey would be appreciated by **17 February 1994**. A self-addressed, postage paid envelope has been enclosed for your use in returning your survey response and documents.

Thank you for your assistance. Please contact us by phone or email (brigid@cni.org or ann@cni.org) if you have questions or comments.

CBW/

enc.



21 Dupont Circle, Washington, DC 20036
202 296 8656 FAX 202 872 0884

ASSOCIATION OF RESEARCH LIBRARIES

# OFFICE OF MANAGEMENT SERVICES

## SPEC SURVEY--ELECTRONIC JOURNALS IN ARL LIBRARIES

January 1994

Name:_____ Title:_____

Library:_____ Telephone:_____ Email:_____

**Instructions:** For each question, please check all appropriate answers, filling in the blank if "other" is selected. Responses are strictly confidential and your specific responses will never be identified by your name or institution without your permission. Please refer to the survey comments section for further information and response to questions.

1. Is your library currently making electronic journals available?

a. 35 Yes (46%) b. 40 No *Please skip to question 2.* (52%)

How?

4 receiving and storing locally 11%
16 providing telnet/gopher access 46%
15 a combination of each 43%

***Please skip to question 5.***

2. If you answered no above, has your library discussed the possibility of acquiring or providing access to electronic journals?

a. 32 Yes 80% b. 7 No 18% 1 No answer 3%

***If the answers to all of the above questions were no, please return only this page in the enclosed envelope. Thank you for participating in the study.***

***If your answer to question 2 was yes, and your library has decided not to acquire or provide access to electronic journals or has not yet reached a decision, please answer the following two questions and return this page only.***

3. What were/are the deciding factors in rejecting or delaying the availability of electronic journals? (Indicate as many as appropriate.)

a. 4 No material appropriate to the library's collection 10%
b. ____ Lack of Internet/Bitnet access
c. 4 Lack of knowledgeable personnel 10%
d. 9 Lack of experience 22%
e. 8 Lack of personnel to handle additional work 20%
f. 14 Lack of hardware 35%
g. 1 For downloading from Internet/Bitnet 3%
h. 13 For providing access to patrons 32%
i. 7 Too complicated at this time 18%
j. 3 Must reach agreement with other University units (e.g., Campus Computing Center) 8%
k. 16 Other: 43%

4. Who made the decision not to make electronic journals available?

a. 5 Director/Dean 12%
b. 4 Head of Technical Services 10%
c. 6 Collection Development Librarian 15%
d. 1 Bibliographers 3%
e. 3 Task Force 8%
f. 14 Other: 35%

***Please return only page 1 in the enclosed envelope. Thank you for participating in the study.***



21 Dupont Circle, Washington, DC 20036
202 296 8656 FAX 202 872 0884

5. Who decides which journals are added to the collection?

| | Paper | Electronic |
|---|---|---|
| Individual bibliographers | 22 (63%) | 15 (43%) |
| Committee of bibliographers | 6 (17%) | 5 (14%) |
| Committee of librarians | 5 (14%) | 10 (28%) |
| Collection Development Libm | 11 (31%) | 9 (26%) |
| Teaching faculty | 7 (20%) | 7 (20%) |
| Head of Technical Services | | |
| Director/Dean | 1 (3%) | 2 (6%) |
| Acquisitions/Serials Librarian | 4 (11%) | 4 (11%) |
| Other (Please indicate): | 3 (8%) | 13 (37%) |

*Note: percentages equal more than 100%, since some libraries checked more than one group.

6. If selection responsibility in an answer above is different for electronic journals than for paper journals please briefly indicate why:

7. Do you have a collection development policy that addresses making electronic journals available? ***(PLEASE ATTACH A COPY, IF AVAILABLE.)***

a. 5 Yes (14%) b. 30 No (86%)

8. Are the selection criteria used in making electronic journals available different than those used paper journals?

a. 15 Yes (43%) b. 19 No (54%)

9. Check factors that are considered in selecting electronic journals:

a. 15 Covers an area where speed of publication is important 43%
b. 15 Interactive or online format is important 43%
c. 7 Long-term archival access may not be critical 20%
d. 18 Faculty request subscription 51%
e. 22 Technical compatibility or incompatibility 63%
f. 18 Other significant factors: 51%

10. Is there a line item in your materials budget specifically for electronic journals?

a. 1 Yes *Go to question 12.* 3% b. 33 No 94%

11. If you answered no above, in which of the following groups are electronic journals included for budget purposes?

a. 2 CD-ROM subscriptions 6%
b. 9 Paper journal subscriptions 26%
c. 11 Only one line for all types of subscriptions 31%
d. 4 Only one line for all types of serials 11%
e. 6 Online information services (Dialog, LEXIS/NEXIS, BRS, etc.) 17%
f. 10 Other: 28%

*Note: percentages equal more than 100%, since some libraries checked more than one group.

12. How are electronic journals acquired by the library?

a. 6 Using the same acquisitions procedures used for paper journals 17%
b. 20 Using essentially the same procedures with modifications 57%
c. 8 Using special procedures established specifically for electronic journals. 23%

PLEASE DESCRIBE BRIEFLY AND ENCLOSE DOCUMENTATION IF AVAILABLE:

13. Who is responsible for acquiring/providing access to electronic journals?
a. 9 acquisitions librarian 26% b. 4 paraprofessional staff 11%
c. 8 support staff 23% d. 18 computer professional 51%
e. 10 other: 28%

*Note: percentages equal more than 100%, since some libraries checked more than one group.

14. How are purchase orders for electronic journals sent?
a. 13 Through the mail 37% c. 15 By fax 43%
b. 5 Through Internet/Bitnet 14% d. 5 By phone 14%
e. 5 Other: 14%

15. How do you receive invoices for paid subscriptions to electronic journals?
a. 17 Through the mail 48% c. 1 By fax 3%
b. 3 Through Internet/Bitnet 8% d. 3 Other: 8%

16. Describe the cataloging records used for electronic journals:
a. 15 Complete original cataloging 43%
b. 19 Copy cataloging (i.e., OCLC, RLIN records) 54%
b. 2 Brief title entry only on OPAC 6%
c. ____ In separate serials catalog using only brief records
d. 6 Electronic journals are not cataloged 17%
e. 6 Other: 17%

7. How are new issues of electronic journals sent to cataloging?
a. 5 Through Internet/Bitnet to serials cataloger's account 14%
b. 1 Downloaded to a diskette 3%
c. 1 Paper copy printout of entire issue 3%
d. 6 Paper copy of title page, publication information, etc. 17%
e. 8 Note to serials cataloger 23%
f. 7 Other: 20%

18. Does the level of cataloging for electronic journals differ from the cataloging for paper journals?
a. 13 Yes 37% b. 20 No 57%

19. If call numbers are assigned to your paper journals, are they also assigned to your electronic journals?
a. 13 Yes 37% b. 15 No 43%

20. Are standard subject headings (LCSH, NLM) used for electronic journals?
a. 21 Yes 60% b. 7 No 20% 1 No ans 3%

21. What fields are added to the bibliographic records for electronic journals? *(PLEASE ATTACH A SCREEN PRINTOUT, IF POSSIBLE.)*
a. 19 GMD [computer file] 54% c. 18 265 notes 51%
b. 6 500 notes 17% d. 20 Other: 57%

22. Are the instructions for accessing electronic journals included in the cataloging record? *(PLEASE ATTACH A SCREEN PRINTOUT, IF POSSIBLE.)*
a. 14 Yes 40% b. 4 No 11%

23. If you provide only gopher/remote access to electronic journals, do you create a catalog record on the OPAC?
a. 13 Yes 37% b. 17 No 48% 1 No ans 3%

24. How are electronic journals made available to library users? (Check as many as apply.)
a. 8 On the library's OPAC 23%
b. 6 Available only to those with Internet/Bitnet accounts 17%
c. 9 Public terminal with Internet/Bitnet access and library account 26%
d. 23 On a campus-wide computer network/information system 66%
e. 12 Telnet access available for remote users 34%
f. 31 Gopher access to remote sites 88%
g. 2 Downloaded to diskettes for access on PCs 6%
h. 4 Available ONLY in the library 11%
i. ____ Must make copy and go elsewhere to read
j. ____ Only paper copy is provided
k. 3 Paper copy is available for those not willing/able to use computer access 8%
l. 3 Other: 8%

25. If available ONLY in the library, in which library locations can users access electronic journals?
a. 2 Electronic text center 6%
b. 2 Nonbook/AV center 6%
c. 1 Microforms 3%
d. ____ Reference
e. ____ Periodicals
f. 1 From any online terminal, regardless of location 3%
g. 1 Other: 3%

26. If electronic journals are available through a local information system or file server, describe the following:
a. Hardware specifications: Please refer to survey comments section

b. Telecommunication network:

c. Access software:

d. Storage required:

27. Have you established an Internet/Bitnet account specifically for receiving electronic journals?
a. 11 Yes 31% b. 20 No 57% *Go to question 33.*

28. Who is responsible for downloading issues of electronic journals from Internet/Bitnet for patron access? (Be sure to check all that apply.)
a. 5 Acquisitions Department personnel 14%
b. 5 Serials Department personnel 14%
c. 5 Library computer specialist 14%
d. ____ Campus computer personnel
e. 1 Access services personnel 3%
f. 2 Other: 6%

29. Who has been trained to access the Internet/Bitnet account/s?
a. 6 Acquisitions/Serials clerk who orders electronic journals 17%
b. 4 Acquisitions/Serials receipt clerk 11%
c. 1 Serials claims clerk 3%
d. 1 Access Services clerk 3%
e. 1 Serials cataloger 3%
f. 2 Head of Serials 6%
g. 2 Head of Acquisitions 6%
h. ____ Head of Access Services
i. 6 Other: 17%

30. How is Internet/Bitnet training provided to library staff?
a. 17 Group instruction 48% b. 11 Individual instruction 31% c. 3 Other: 8%

31. Who trains library staff on Internet/Bitnet access?
a. 12 Self-training 34%
b. 1 Head of Serials 3%
c. 2 Head of Acquisitions 6%
d. ____ Head of Technical Services
e. ____ Head of Access Services
f. 5 Systems Librarian 14%
g. 6 Library Instruction staff 17%
h. 9 In-house computer specialist 26%
i. 5 In-house training expert 14%
j. 4 Campus computer center staff 11%
k. 6 Other: 17%

32. What methods of training are used?
a. 9 Locally developed manuals 26%
b. 1 Software tutorial programs 3%
c. 15 Structured classes 43%
d. 1 Programmed instruction 3%
e. 14 Verbal instruction, one-to-one 40%
f. ____ Print resources. Indicate titles:
g. 3 Other: 8%

*PLEASE ENCLOSE SAMPLE TRAINING DOCUMENTATION IF AVAILABLE.*

33. How often is the Internet/Bitnet account checked for new issues?
a. 16 Daily 46%
b. 3 Weekly 8%
c. 5 Not checked - have automated receipt 14%
d. 3 Other: 8%

34. Are issues of electronic journals checked-in?
a. 22 No *Go to question 36.* 63%
b. 7 Yes 20%
c. 7 On a local serials control system 20%
d. 5 Automated; please specify system: 14% CARL 1, Notis 1, Dynix 1, VTLS
e. 3 Manual system 8%
f. 2 Not checked-in 6%
g. ____ Other:

35. What level of check-in is provided for electronic journals acquired by the library?
a. 6 issue level only 17% b. ____ article level only c. 4 both issue and article level 11%

36. For journals not acquired but available through gopher/remote access, is check-in information provided?
a. ____ yes, at issue level
b. ____ yes, at article level
c. ____ yes, at both issue and article level
d. 33 no check-in is attempted 94%

37. What arrangement have you made for archival copies?
a. 10 Depend on the publisher for back issues 28%
b. 9 Depend on a consortium which maintains an archive 26%
c. 2 Create a master copy on diskette 6%
d. 1 Create a master copy on magnetic tape/cartridge 3%
e. 9 Maintain an electronic file in the computer center and/or library 26%
f. 1 Create an archival paper copy using laser printer, acid-free paper, and library binding 3%
g. 12 Other: 34% 6 None 18%

*PLEASE ATTACH COPIES OF INTERNAL POLICIES AND PROCEDURES FOR PROCESSING ELECTRONIC JOURNALS.*

*If necessary for questions 38-42, please use the back of this sheet or attach a list if available.*
Please refer to survey comments section

38. List the titles of the electronic journals to which you currently provide local access.

| Title | Internet/Gopher access? (y/n) | Locally stored? (y/n) |
|---|---|---|

39. If your library's online system provides users with menu-assisted access to a particular gopher site for electronic journals, please list which one(s):

40. Describe the impact of electronic journal subscriptions on public service responsibilities and workloads:

41. Describe your experience in providing access to electronic journals (i.e. successes, failures, satisfaction, user demand, recommendations):

42. What do you predict the impact of electronic journals will be on libraries and on the process of scholarly communication?

*Thank you for your time! Please return your completed survey and accompanying documents by February 17, 1993 to: C. Brigid Welch, Director of Information Services, ARL Office of Management Services, 21 Dupont Circle, Washington, DC 20036 Phone: (202) 296-8656; Fax (202) 872-0884; Email: brigid@cni.org.*



BEST COPY AVAILABLE

## Survey Comments

Seventy-seven libraries returned their questionnaires, a 65% response rate. Two respondents indicated they were not prepared to participate in the Survey at this time.

1a. Planning to receive & archive some e-journals, but have not done so yet

1b. - Hard copy versions of a few electronic journal titles are being made available in the Library, however

- Depends on the definition of electronic journal: we consider indexing and abstracting tools on CD-ROM as a kind of electronic journal. Listservers available free via Internet are available on the University's data network. Others which are free may be accessed through a Gopher. We are not paying for electronic journals at the moment unless they are in CD-ROM format or on the Library's OPAC. We have not yet addressed most of these issues

2a. - We anticipate discussion in the near future
- Not yet. We plan to subscribe to one journal this year as a test, but have not yet received it
- The Library is in the process to form a group to look at this issue, both locally and state-wide

3k. - All of these are issues under discussion
- Level of Access
- Cataloging problems
- Lack of Ethernet access on campus
- Lack of gopher access by user community
- Most users getting direct access
- Integration of electronic journals into schema of overall collection development policy needs to be addressed
- Policy for accessing/collecting e-journals being considered
- Other electronic resources needed attention first, but this survey is prompting a closer examination of local support possibilities of e-journals
- Lower priority - This year we will investigate adding a directory to relevant electronic journals as a part of our online catalog
- Not enough appropriate material to general faculty or student demand
- The only journal available via Internet which has been requested is a mathematics title
- Lack of expressed interest/demand from users
- No demand from faculty or students
- Little interest expressed by faculty and students
- Stay in step with regional group
- Want to work out specifics of acquisition, archiving, etc. before we go online
- Not ready yet
- Training and educating staff needs to be undertaken
- I anticipate that once we have an integrated system installed, perhaps 1995, a task force on electronic serials will be set up, and the issues discussed

- Decision postponed until all the systems work tied to the move to a major new building has been completed; deadline for building is September 1994
- We are unable to answer the rest of the questions because they have not yet been addressed. We recently appointed a Task Force to address these very issues
- Public domain electronic journals currently available on the Internet have been made available to the ... community by ... through the University's ... Gopher server. The ... gopher serve can be accessed on the same work stations in the Library as the OPAC and other Library supplied resources. The electronic journals that are available have not been "selected" by the Library. A report on electronic journals by a library task force called for a six month pilot project to determine staffing needs and costs of providing access to locally mounted electronic journals as well as other electronic resources. Work on this will be getting underway later this year

4f.
- Combination of all of above
- Dir of Ref & Info Services, Dir of Collection Services, & three subject bibliographers
- Public Services Dept. Head - 3
- Systems staff
- Group decision
- Committees
- Library Executive Committee
- In process of implementing
- You have reached us in mid-stream. We plan to provide access to (4?) e-journals by end of 1994
- No decision has been made. We currently have an Electronic Journal taskforce that is helping Collection Development, Serials, and Public Services revise their policy documents to handle E.J.'s. Also we are working with other sister institutions in this area to do the same
- I don't believe a negative decision was made, rather no decision was made. We are in the process of developing a gopher server for the library. On that we will provide access to freely available e-journals. To my knowledge, purchasing subscriptions to commercial e-journals has not yet been widely discussed in our library
- This decision has not been made. We never decide <u>not</u> to make information available
- There has been no decision not to make them available; we simply lack the resources at present
- No official policy decision made. We have not yet pursued acquisition of electronic journals and are just beginning to address the selection, access, archiving and maintenance issues
- There has not been an active effort to <u>not</u> make e-journals available
- We have not made a decision <u>not</u> to make e-journals available, but we plan to move forward gradually for the reasons given in 3 (a.,d.,i.)
- This decision has been delayed not decided in the negative
- No one decided against - we're still discussing

5(other). *Note: Percentages equal more than 100%, since some libraries checked more than one group.*
- Systems
- Individual Recommendations from Professional Staff (both)
- Gift and Exchange Librarian (both)
- Gopher Development Group in Computing & Information Services (electronic)
- CICNet

- Systems staff have input on electronic
- Pointing to major collections on other gopher sites
- Telnet/gopher access is not considered as "adding" to the collection
- Not decided at present; present collection assembled by systems staff
- Discussion with Reference, Faculty & others (electronic)
- Committee reviews requests for duplicate
- Systems Librarian makes titles available at the request of bibliographers
- Gopher Development Team (electronic)
- Public Services Committee: Associate Dean for Collections and Services and four dept. chairs, review recommendations
- Information Technology Division staff (electronic)
- Individuals propose, the committee [of bibliographers] reviews. For electronic journals, the individual must arrange access through the gopher or some public service point.
- Eventually it will be individual bibliographers, but we've started with a Task Force
- We are currently using CICNet gopher, and are taking a leadership role in its development

6.
- Newness of material has resulted in lack of confidence - also committee will decide preservation level, look at equipment necessary, whether to cancel print version, etc.
- Because input is needed from more than just bibliographers
- Electronic Resources and Technology Committee monitors and makes recommendations to individual bibliographers and/or Collection Development Committee
- Technical expertise attendant on access limited to one individual (gopher administrator)
- Information Technology Division staff have responsibility for titles available on Gopher
- As of now, the demand to have e-journals available specifically through the Libraries is very low; awareness is just beginning to grow. Therefore whatever is available is so at the initiative of a couple of librarians, although others of course make use of access through Internet. Paid subscriptions have not yet become an issue, so we are trying to gain experience in an informal way
- Right now, we only give access through Internet to e-journals available free. We do not subscribe to e-journals. That's why. The Gopher Development Team has a responsibility in pointed distributed resources
- E-journal access not really routine - we're piloting different methods
- A separate committee currently looks after and maintains our electronic information service
- The additional step is required to get the journal on the gopher server or menu or to get a slot for it on a CD-ROM server
- During our pilot project, electronic journals have not been evaluated by the subject serials review committee. A select group of librarians have chosen the electronic journals to make available
- A committee of librarians selected an initial group of ejournals to place on our campus wide information system - navigation to them, that is. Following this initial selection, bibliographers and/or faculty will select additional ejournals
- We started with a Task Force approach and are now working on Internet training and "consciousness-raising" for all bibliographers

- Eventually we will involve individual bibliographers in this process, but are doing some preliminary work to get a consortial approach in place

7. - The Task Force on Policy for Electronic Journals recommended that each bibliographer incorporate a statement into his/her Collection Development Policy document
- The policy is in the process of being developed
- We are in the process of revising our collection management to include electronic resources
- We are currently experimenting. Our approach is to use same criteria, plus some additional considerations including archiving format, technical compatibility

8a. - We are less strict with electronic journals
- We may not acquire electronic media if we lack the appropriate systems support

8b. - Somewhat - we're still choosing free journals; we're considering the role of CIC cooperation
- This is being reviewed
- The basic criteria are the same, but technical issues are considered

9f. - Cost; breadth of scope and number of potential users; amount of reference assistance which users will need; remember that our journal list is shrinking owing to fiscal restraint
- Canadian context
- What is available free over the Internet (2)
- Cost
- Trying to move forward - experimental. Format is ASCII (currently)
- Refereed
- Supports broad-based programs
- Support of research, instruction (2)
- Enhancement of total collection
- Only format available (3)
- Within scope / Subject coverage
- Contents; our willingness to experiment
- Archival access should not be the responsibility of any individual institution
- Selection is on a very small scale & has not yet been regularized
- Easy availability
- Accessibility (already easily available elsewhere?)
- Material must be available to anyone who wants to use it, and wherever they want to use it on the campus network, or through the Internet
- If there are versions in other formats, does the electronic version offer enough enhancement to justify added cost
- License restrictions, particularly with regard to networking
- We make a decision about archiving when we decide to subscribe
- Available via a gopher; indexed; potential level of use; access free
- Quality of the materials
- Stability of the remote site
- Demand
- Language of publication
- Indexing

10(other).

- There is a line for start-up costs. After that they go in the serials budget

11f. *Note: Percentages equal more than 100%, since some libraries checked more than one group*

- We are not currently paying for electronic journals available on Internet / at present only free journals have been added to the collection, although purchased journals are planned / No paid subscriptions / They're free / Thus far, only free electronic journals are provided / free resources on Internet / currently no e-journals with cost / collect only 'free' subscriptions
- State purchasing law does not allow purchase or acquisition of electronic formats on the materials budget
- Locally mounted databases

12c.

- We have subscribed to the Online Journal of Current Clinical Trials and are planning to subscribe to two online math journals. All other e-journals available free over the Internet are added to our Gopher (for access only)
- 1) Search the Directory of Electronic Journals, Newsletters and Academic Discussion Groups. 2) Search gophers worldwide to locate issues/archives/ftp sides with e-journal.
- They are on our gopher with no bibliographic access (supplementary) or check-in procedures
- Funding and policies are being reviewed during the next six months
- Question not applicable in the light of our very informal arrangements
- a) We create notes files & forward journals to them. b) We provide end-user access to CICNet Archive
- We haven't really "acquired" them, per se, not in the sense of having purchased. The only non-Gopher title we have was received as a gift subscription
- Methods used will depend upon the nature of the access to the journal, costs, if any, and such considerations as archiving back files
- Acquire through LISTSERVs, ftp, e-mail to special Acquisitions e-mail account. Otherwise processed in the same way as software acquisitions
- We provide only navigation to them at present
- We tried to create a parallel process with modifications only where they were necessary or where they afforded us an advantage
- CICNet server

13e. *Note: Percentages equal more than 100%, since some libraries checked more than one group*

- Serials/Computer & Information Services Subject librarians
- Selectors
- Serials librarians; bibliographers
- Librarian who coordinates networked resources and oversees our gopher
- No formal responsibility actually given as yet
- Serials Librarian and Systems Librarian
- Where a subscription is required, the head of Serials and appropriate support staff; for free gopher titles, the gopher administrator
- Librarians, subject specialists
- CICNet
- Support staff acquires and currently moves files to a system area to be dealt with by Systems personnel

14e. - Depends ...
- No regular purchase orders
- Like other publications, i.e., vendor specific
- Publisher
- None have had fees yet; will go as other payments
- The state wants everything on paper
- All, depending upon title

15d. - Depends ...
- Like other publications, i.e., vendor specific
- None received
- None have had fees yet; will go as other payments

16b. - Several indicated that b. was the first choice followed by a. as appropriate

16e. - Not cataloged at this point
- Not yet resolved; for now they're mounted or pointed to on library gopher
- We have only one or two OPAC records for these, done on an experimental basis
- Brief listing arranged by academic discipline
- Developing shared cataloging for CICNet collection

17f. - Informal notification to Cataloging
- Access through staff LAN
- Access information for electronic version so that cataloger can retrieve complete issue
- CICNet procedure
- Internet/Bitnet if new title or title change; note to serials cataloger for bibliographic, name authority, or holdings records modifications

21d. - Location note
- ISSN
- Probably an 865 for host.
- Local information note (590) for access instructions
- Very brief, & we are not yet satisfied
- Plans are to add 930 note for summary holdings in brief record display
- 590 local access notes

22. - Records indicate access via the Campus Wide Information Network

23. - This is one of the upcoming issues
- We provide a catalog record for those on our own gopher
- We have, experimentally, for one or two
- For an experimental group of titles so far

24k. - In one branch library. Not library wide policy

24l. - On the Electronic Resources Center's stand-alone
- Available in Electronic Text Center, which supports remote access by members of university
- CD-ROMs on Novell network - primarily bibliographic serials

25g. - In reference area of relevant subject library (downloaded to diskettes for access on PCs)

26a. Hardware specifications:

All types (PC,Mac,UNIX)
ps/mac/unix/terminal
MAC, PC, UNIX-based workstations and VAX
Novell network server
Sun SPARC station or IBM machine
UNIX mini-vax
NEXT
DECStation 5000

- All hardware is handled through the campus computer center. Specific details about equipment are not available
- Have not yet designated a server; requirements might be DECstations running Ultrix or similar

26b. Telecommunication network:

campus network (ethernet)
Ethernet - TCP/IP -Novell Lans
TLP
Internet
10 base-T Ethernet
Ethernet / DECnet / modem
Ethernet / TCPIP

26c. Access software:

Gopher (8)
Gopher server and client software
Lookfor
SPIRES
dtSearch
Gopher, WAIS, WWW
Gopher server, WAIS indexing software

26d. Storage required:

1st year: 50MB
20MB (6 journals locally stored)
distributed
ca 26 MB
1 Gigabyte and growing
circa 30 Mb

27. - Clerk uses personal account on UNIX machine
- Already established working account for department

28f. - Acquisitions/Serials Department (merged dept.)
- E-journals are e-mailed into account, checked in by Acquisitions, then automatically transferred into current directory
- Downloading is not typical; access is via remote links

29i. - Asst. Serials Librarian; Manager, Serials Ordering
- Library computer specialist, but Serials staff will be trained in near future

- Library Technology Services staff
- Systems/Networked Services staff

30c. - books & articles
- We hold weekly Internet brown bag lunches on various topics

31k. - Branch staff - computer literate staff
- Reference librarian
- Coordinator, Electronic Resources (librarian)
- Volunteer trainers working with Library's Training Coordinator
- Staff who have more expertise than others
- Head of Reference, Head of Networked Service, Head of Cataloging, Heads of Branch libraries. Library teams are responsible for training their staff

32g. - locally produced handouts
- instructional modules via email
- Verbal instruction groups with hands-on practice

33d. - Check only informally
- Irregularly

34d. CARL 1
Notis 1
Dynix 1
VTLS

34f. - not yet resolved
- If we archive locally, we check it in. If we rely on a remote site, we just check occasionally to b sure it's working

35c. - both issue and article level depending on how its shipped to us

36. - We regard providing menued access (and cataloging) to remote sites as a form of acquisition. It imposes indirect costs on the library and these titles are examined as closely as those which we archive locally

37d. - routine system backup

37g. - Working with UC Press on a model
- Varies, rely on whatever archiving is available through the network
- Receive an archival microform copy of one journal
- Titles archived locally are held on our gopher server and backed up with all the other data on it
- CIC net e-journal archive

38. List the titles of the electronic journals to which you currently provide local access.

| Title | Internet/Gopher Access? | Locally Stored? |
|---|---|---|
| Academe this week | Y | |
| American Arab Scientific Society Newsletter | Y | |
| American Catholic Studies Newsletter | Y | Y (Current issue only, paper back files) |
| Arachnet Electronic Journal of Virtual Culture | Y | |
| Architronic | Y | |
| Athene | Y | |
| Austrian Historical Bibliography | Y | |
| Book Review Digest | Y | |
| Bryn Mawr Classical Review | Y (4) | Y (2) |
| Bryn Mawr Medieval Review | Y (4) | Y |
| Clionet the Australian Electronic Journal of History | Y | |
| Contents | Y (2) | |
| Cook Report on the Internet | | Y |
| Coptnet | Y | |
| Current Cites | Y (1) | Y (1) |
| Distance Education Online Symposium | | Y |
| Droplet | Y | |
| EJournal | Y (3) | Y (3) |
| Electronic Journal of Differential Equations | Y (2) | |
| Electronic Letters Online | | |
| Electronic Transactions in Numerical Analysis | Y | Y |

| | | |
|---|---|---|
| (ETNA) Matrix News | Y | Y |
| FINS (Federal Information News Syndicate) | | Y |
| Hindu Digest | Y | |
| Holy Temple of Mass Consumption | Y | |
| INN (Information Networking News) | | Y |
| Information Technology & Disabilities | Y | |
| Interpersonal Computing & Technology Journal | Y (1) | Y (1) |
| Inter/Text | Y | |
| Islamic World News | Y | |
| Issues in Science & Technology Librarianship | | Y |
| James Dobson's Newsletter | Y | |
| Journal of Extension | Y | |
| Journal of Statistics Education | Y (1) | Y (1) |
| Journal of the American Chemical Society | Y | |
| Journal of the Intl Academy of Hospitality Research | Y (3) | Y (2) |
| Kluwer Comp. Sci. & Engineering Journal Contents | Y | |
| Laboratory Primate Newsletter | | Y (2) |
| Lchaim | Y | |
| LIBRES | Y | |
| MC Journal: Journal of Academic Media Librarianship | Y | |
| Muslim News | Y | |
| NSF Bulletin | Y | |
| New Horizon in Adult Education | Y (2) | Y (3) |
| Newsletter on Serials Pricing Issues | Y | |
| Nuclear Physics Electronics A and B | | Y |

| | | |
|---|---|---|
| Online Journal of Current Clinical Trials | Y (1) | Y (2) |
| PACS News | | Y |
| PACS Review | Y (2) | Y (2) |
| Postmodern Culture | Y (5) | Y (5) |
| Psychology | Y | |
| PSYCOLOQUY | Y (5) | Y (5) |
| Purps | Y | |
| Quanta | Y | |
| RD: Graduate Research in the Arts | | Y |
| Religious Studies Publications Journal | | Y |
| Scientist | Y (3) | Y (1) |
| Scientist Newsletter | Y | |
| Scripture | Y | |
| TAPA<br>Transactions of the American Philological Association | Y | |
| Temple of Pychik Youth | Y | |
| TOCS-IN<br>Tables of Contents of Journals of Interest to Classicists | Y | |
| USA Today | | Y |
| Washington Post | | Y |
| Watcher | Y | |
| World Cultures | | Y |
| Networks and Community | | Y |
| Infocycle | | Y |
| National Library News | | Y |

Attachments (1)

39. - Where files are not stored locally, our intention is to point to the publication's official gopher site if available. A particular gopher site has not been chosen
- In process of establishing gopher access sites. These are likely choices: CICNet, SUNY Morrisville, Virginia Tech, Univ. of Minnesota
- While we primarily archive our e-journals, we point to the following gopher sites: gopher.cic.net una.hh.lib.umich.edu (2 titles)
- Kitnet
- CICnet (10)
- SUNY Morrisville
- LC MARVEL
- University of North Texas' Archive (?)
- participate in CICNet
- U of Michigan
- Ohio State
- transparent telnet access to Minnesota and a Texas site
- We have a library gopher and provide access to university gophers
- We refer them to the local gopher ... which contains a list of electronic journals and the navigation to various remote gophers

40. - Too early to draw conclusions / Too early to tell / Too new to assess / Too soon to evaluate / Too early to determine / Too soon to tell
- Very little at present / Not much yet / Almost none / Little, if any, impact at this point
- Minimal to date; most questions relate to printing and downloading on user's in-office equipment
- Minimal to date, due to the small number of titles presently available
- E-journals have not created much additional workload - users find them easy to access and software and menus straightforward. The major impact was in training all public service staff which was undertaken by a Reference Librarian
- Current situation very informal; procedures have yet to be developed for incorporating processes into staff work flow
- Considerable expense of time to acquire and process the journals that are locally stored
- Staff time to build and maintain the library gopher
- Availability of journals via Internet requires our tracking new offerings and then notifying interested parties. Some impact on development of menu choices on the local gopher. Training issues subsumed within general Internet instruction
- Bibliographers are responsible for identifying and providing access to journals in their disciplinary areas. At present this is not a particularly onerous responsibility, but some put more emphasis on it than others
- Increased workload for staff responsible for e-journal acquisition and e-journal training. Somewhat increased workload and perceived need for e-journal training for reference staff in the units where e-journals are located
- Added instructional component. Need to evaluate materials. Explain access problems not related to the local system
- Force people to become Internet/Gopher literate
- We provide access almost exclusively through the University gopher. Public service staff report almost no questions about electronic journals although our gopher use statistics indicate significant use

- Too early to say. However, it is imperative that every public service reference librarian know how to access e-journals via email & gopher (we have accomplished this)
- Not much so far, but they are beginning to be integrated into formal instruction sessions
- Apart from planning, none as yet
- Seems overwhelming at this point!

41. - Too soon / Too early to say (2) / Too early to tell / Too early
- Only just begun
- User demand is low
- Users are quite interested
- Still in evaluation; doing focus group with users
- The e-journals now available are used infrequently. Once we start to offer popular journals and newspapers, the impact will be significant
- E-journals were relatively easy to acquire and make accessible. Receipt cannot be fully automated as yet. Users are reading/accessing the titles selected and the use overall was high
- Small, but growing, interest that will mushroom once more formal publications become available
- Our current efforts too minuscule to say anything meaningful
- Greater need for coordination among Coll. Mgmt. technical services, public services and Information Technology Division staff
- Central archiving concept produces delays in adding new materials. Gopher access seems to be easier for the patron than in-house, local and stored materials
- Pointing to a journal through the home gopher is ideal. Need for automatic updating software to retrieve new issues of journals that have been identified and linked through gopher
- Positive reaction from faculty and researchers at the ease of availability. Received requests for e-journals within 2 days of appearance of their catalogue records on Library's OPAC. Hope to upgrade access from locally-held stand-alone stations to access via University's CWIS
- So far it's well accepted. Too soon to anticipate successes or failures
- We participate in the Elsevier TULIP project. In its earliest stages it appears that in materials science there is interest in the Tables of Contents and Abstracts without need for full text. Still too early to see trends
- Please refer to published articles (Virginia Tech)
- Our biggest problem has been getting people to look at them the first time; once they do that they use them easily and eagerly. There seems also to be good acceptance of the Library as intermediary. Attached are usage figures on locally mounted titles from November 1993

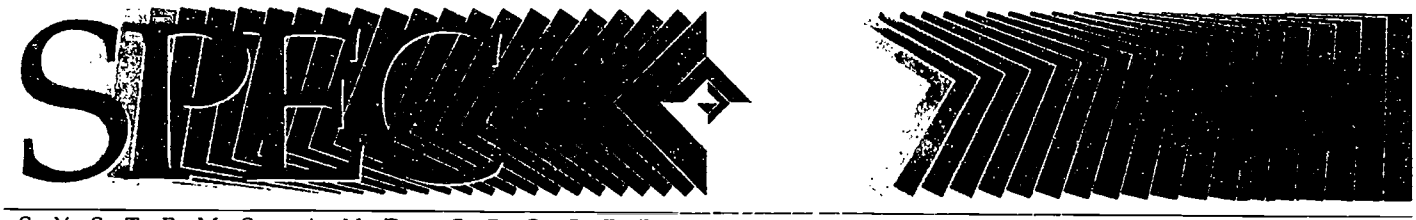
Figures cover only locally mounted journals and include usage both from the University and from other sites:

| | |
|---|---|
| Bryn Mawr Classical Review | 1892 uses |
| Bryn Mawr Medieval Review | 469 |
| LC Cataloging Newsline | 109 |
| LIBRA, UVA Library Newsletter | 64 |
| UVA Physics Dept. Preprints | 103 |
| TOCSIN | 601 |
| IAU Circulars | 115 |

- Transformation!

42. - Unknown as yet
- No more document delivery
- Huge - CD-ROMs and Gopher
- We plan to offer IAC full text (ASCII) to 1,000 journal within a month. This will have a significant impact. We (I) predict many will never be happy with print access to journals again
- There will be a growth in the number of e-journals and their sophistication will increase. More and more commercial publishers will offer electronic journals particularly where speed is of the essence
- We do expect greater interest from teaching faculty
- A lot of the access will bypass libraries that do not become involved at an early stage and work hard to facilitate access and train faculty and students in its use
- Need to do many more tests - developmental work to assess: demand, economics, visibility of technology (particularly images)
- E-journals will become more important as they acquire graphic-displays and interactive capabilities
- Significant in long term; for near future relatively insignificant (won't be most in-demand journals; will supplement but not replace their print counterparts); end users don't have the hardware, technology can't deliver the color and graphics
- Our experience is now very limited. We are following closely the developments in that field. Our objective is to eventually subscribe to e-journals. The impact should be more rapid communications and use of the library "collection' from outside its "walls"
- Unless we conquer the archiving problem, future scholars will miss a lot of info from earlier works
- There will be both positive and negative impact. Users already are asking for additional journals, some needing color and graphics. The pressure to keep up with equipment will be great. Faculty are very optimistic the development and proliferation of e-journals will take pressure off Serials budget and enable us to maintain our collections without the major cancellations we have faced in recent years
- We have created a separate Electronic Resources Center within the library to provide access to and Instruction regarding the burgeoning number of electronic titles we expect to see over the next five years
- Major growth area, with the incorporation of SGML for improved quality of display and access
- Should have dramatic impact on the speed of scholarly communication (already has!) Main impact on libraries will be in providing access, especially with regard to the exponential growth of available titles
- Tremendous, once we increase both the number of e-journals available to our patrons and expand means of access
- I believe they will eventually supplant paper journals. The delivery mechanisms, such as WWW [World Wide Web], are there to produce a relatively sophisticated e-journal. Connecting to the individual user is the biggest problem now. That will improve as our offerings improve so that institutions and individuals have an incentive to upgrade
- Instant scholarly communication; but concerns about ownership of scholarship. Scholars will be reluctant to share new research via electronic modes. Paradoxically, extensive communication may well result in a decrease in published scholarship.

- Electronic journals speed up delivery by reducing preparation and distribution time; however, suffer some problems in consistency and quality as a result. Libraries will have to be prepared to react swiftly to electronic journals to capitalized on their timely nature - some sharing of responsibility may be necessary to accommodate explosive growth of e-journals. Scholars will likely mitigate factors of quality and accuracy but libraries will by necessity become more involved in the consistency of the e-journals (where it's coming from, site stability, frequency of publication, etc.) In this sense, e-journals will accelerate and acerbate the confrontation between libraries and publishers
- Electronic formats will become more convenient when users have adequate equipment to view images. Current use seems to focus on newsletter-type information that is timely in electronic form. In the next few years we will see electronic journals primarily as supplements to, rather than substitutes for, printed titles
- Very positive and in increasing instensity as they grow exponentially
- They are here to stay!
- It changes everything




SYSTEMS AND PROCEDURES EXCHANGE CENTER

# COLLECTION DEVELOPMENT POLICY AND PROCEDURE STATEMENTS

ASSOCIATION OF RESEARCH LIBRARIES

OFFICE OF MANAGEMENT SERVICES

**APPENDIX A: Procedure for Subscribing to Ejournals**

Using PMC as an example:

After entering Athena, type at the Athena prompt:

**% emacs [filename] (e.g. pmcsub)**
Empty file will appear. Type as follows:

**TO: [email address] (e.g. listserv@ncsuvm.ncsu.edu)**
**From: ejournal_subscriptions@athena.mit.edu**
**[arrow down two lines]**

**[listserv command here: e.g. sub pmc-list MIT Libraries]**

to save the file, type:
**CTRL X**
**CTRL C**
then answer yes to question about saving file by typing **y**

3. Use the Sendmail command in alias form
(the Serials Acquisitions staff will have an alias established in their mail profiles, so that they need use only "sm" for the full sendmail command. See Appendix B):

**% sm [email address] < [filename]**

**(e.g. sm listserv@ncsuvm.ncsu.edu < pmcsub)**

**APPENDIX B: Procedure for Altering Athena Account (mail profile) to Accommodate Ejournal Processing (Including Sendmail Alias)**

At Athena prompt, type:
% **emacs .cshrc.mine**

Then, once in emacs, type:
**add mitlibs**
**add wais**
**alias sm/srvd/usr/lib/sendmail**

Then type
**CTRL X**
**CTRL C**
and answer yes to the question about saving file by typing **y**

**APPENDIX C: Procedure for Receiving Ejournals**

At the Athena prompt:

1. Incorporate email messages:
**% inc**

2. Examine list of messages for sender's address and subjects related to a given ejournal title. (e.g. Psycoloquy messages are always from harnard@clarity.princeton.edu, and the subject of the message begins "psycoloquy" when it is a real article message.)

3. Refile messages related to one ejournal into the holding tank, in a special mail folder which bears the name of the subdirectory for that title:
**% refile [message#]-[message#] [message#] +[subdirectory name]**

For example, to move a group of Psycoloquy messages that appear in the incorporated list as messages 238, 239, 240, and 242, type:

**% refile 238-240 242 +psych**

## APPENDIX D: Sample Kardex: Title with Automatic Receipt

JOURNAL

FRONT:

| YEAR | SER. | VOL. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. | T-P-I |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Location; Other Info. To Appear On Journal
ELC

Remarks
bilingual. P87
subdirectory: EJC .E44

SER-3-7

Electronic Journal of Communication/La Revue Electronique de Communication (EJC/REC) [Computer file]

| Gift | Exch. | Vendor |
|---|---|---|
| X | | DEWEY |

BACK:
Electronic Journal of Communication/La Revue Electronique de communication
Title (EJC/REC) [Computer file]

JOURNAL

Publisher COMSERVE

Address subscribe: comserve@vm.ecs.rpi.edu (internet)
receipt/claims: support@vm.ecs.rpi.edu

| Order No. And Fund | Date Ordered | Vendor, Gift Or Exchange | Inclusive Subscr. Dates | Invoice No. | Cost | Date Bill Approved | Remarks |
|---|---|---|---|---|---|---|---|
| D61832-CAIS-J-X | 5/29/92 | COMSEINT (free) | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | Editorial address: Teresa Harrison, Managing Editor EJC/REC | | | | |
| | | | Dept. of Communication Studies Univ. of Windsor Windsor, Ontario N9B 3P4 | | | | |
| | | | CANADA harrison@vm.ecs.rpi.edu (internet) | | | | |



ERIC Full Text Provided by ERIC

## APPENDIX E: Sample Kardex: Title with Table of Contents

Author and Title

SERIAL

Postmodern Culture [Computer file]

NOTE: Check in only article messages here. All other notes & messages should be checked in in on separate kardex. Order entire issue (package) from table of contents.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 192 | contents&articles 5/29/92 | | | | | | | | | | | |
| 592 | contents&articles 6/3/92 | | | | | | | | | | | |

Publisher and Address (listserv title)

pmc@ncsuvm.ncsu.edu (internet)

Postmodern Culture
Box 8105, North Carolina State Univ.
Raleigh, NC 27695-8105

SER-2-70

Call No.
PN98
.P67
.P66

| Order No./Fund | Date | Vendor | Special Instr. | Gift | Exch. | Location |
|---|---|---|---|---|---|---|
| H40189-LIT.J-W | 6/1/92 | NCSUINT | subdirectory: pmc | | | ELC |

Postmodern culture [Computer file]

Author and Title Postmodern culture [Computer file] [Miscellaneous messages]

SERIAL

NOTE: Check in only nonarticle messages here. All articles should be checked in on separate kardex.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| call for papers | 6/20/92 | | | | | | | | | | | |
| call for reviews | 7/2/92 | | | | | | | | | | | |
| award | 7/19/92 | | | | | | | | | | | |
| call for reviewers | 7/29/92 | | | | | | | | | | | |
| request for notices | 9/9/92 | | | | | | | | | | | |

BEST COPY AVAILABLE

Publisher and Address (listserv title)

pmc@ncsuvm.ncsu.edu (internet)

Postmodern Culture
Box 8105, North Carolina State Univ.
Raleigh, NC 27695-8105

SER-2-70

Call No.
PN98
.P67
.P66

| Order No./Fund | Date | Vendor | Special Instr. | Gift | Exch. | Location |
|---|---|---|---|---|---|---|
| MES ON H40189 H40189-LIT.-J-W | 6/1/92 | NCSUINT | subdirectory: pmc | | | ELC |

## APPENDIX F: Procedure for Requesting Article Files or Entire Issue from Table of Contents

To request the entire issue of PMC, for example, Serials Receipts only needs to enter Athena, and then type at the prompt:

**% comp -form pmcmail**

(where pmcmail is the filename assigned to the pre-established form for requesting journal issues) (see Appendix G).

The electronic form will appear with the **To:** line filled in. Below this line, the skeleton for the listserv command is already present as wel, so Serials Receipts will only have to edit the command line so that it includes the specific volume and issue number as follows:

command line as it would appear when form is called up:
**get package pmc-list f=mail**

command line as it would appear after the staff member edited it to include the specific issue's filename (here, pmcv1n1):
**get pmcv1n1 package pmc-list f=mail**

The message is sent in the normal fashion, resulting in the receipt of all articles in PMC's vol. 1, no. 1.

**APPENDIX G, REVISED: Procedure for Establishing Electronic Form for Requesting Article Files or Entire Issue**

**THE FIRST TIME YOU SET UP AN ELECTRONIC FORM** you must establish a personal mail header in your profile to act as a kind of default for the comp command in Athena. This should appear as a separate "comp" line in your mail profile (.mh_profile), above all of the "comp" lines created for various ejournal titles. You need do this **ONLY ONCE**. To create your personal header:
**%emacs ~/Mail/[filename, e.g. mymail]**
Once in emacs, edit the file as follows:
**To:**
**cc:**
**Subject:**
**----------** [use hyphens to create this line]
Then save the file with **CTRL X, CTRL C, y.** Next, alter your Athena profile thus:
**%emacs .mh_profile**
When your profile appears on the screen, add the following line before any ejournal-specific comp lines:
**comp: -form [filename]**

**ONCE YOU HAVE ESTABLISHED A PERSONAL MAIL HEADER**, you can create title-specific electronic forms. Using PMC as an example, the following steps would be performed in Athena:
At the Athena prompt, type:
% **emacs ~/Mail/pmcmail** (where "pmcmail" is the filename)

Then, once in emacs, edit the file as follows:

**To: listserv@ncsuvm.bitnet**
**----------** [use hyphens to create this line]
**Get package pmc-list f=mail**

Save the file: Type:
**CTRL X**
**CTRL C**
and answer yes to the question about saving the file by typing **y**

Back at the Athena prompt, alter your Athena profile so that it can use the new electronic form:
% **emacs .mh_profile**
Your mail profile will appear on the screen. Add the following line, as the last line of the profile:
**comp: -form pmcmail**

**CTRL X**
**CTRL C**
and answer yes to the question about saving the file by typing **y**
Now the form is set up as file pmcmail, and can be called upon as a skeleton for requesting a particular issue (see Appendix F).

## APPENDIX H: Sample Kardex: Title with Several Components

SERIAL

Author and Title Psycoloquy [Computer file]

NOTE: Check in only articles here. Newsletters & Misc. notes should be checked in on separate kardexes. Filenames begin with "psycoloquy"

92.3.29.data-archive.1.skoyles /198 lines 5/29/92
92.3.32-33.consciousness.14-15.bridgeman /322 lines 6/3/92

Publisher and Address (listserv title)
Stevan Harnad
harnad@clarity.princeton.edu

SER-4-70

Call No.
BF1
.P79

| Order No./Fund | Date | Vendor | Special Instr. | Gift | Each | Location |
|---|---|---|---|---|---|---|
| H40190-PSYC-J-X | 6/1/92 | PUCCBIT | subdirectory: psych | X | | ELC |

Psycoloquy [Computer file]

Author and Title Psycoloquy [Computer file] -- Newsletter Section

SERIAL

NOTE: Check in only Newsletter sections here. Articles & Misc. notes should be checked in on separate kardexes. Subject line reads "Newsletter section"

5/29/92 9 mess./551 lines
6/8/92 7 mess./275 lines
8/28/92 10 mess./415 lines
8/28/92 8 mess./538 lines
9/2/92 9 mess./section 1
9/9/92 4 mess./section 2
9/12/92 10 mess./467 lines

Publisher and Address (listserv title)
tevan Harnad
arnad@clarity.princeton.edu
COMES ON H40190

SER-4-70

Call No.
BF1
.P79

| Order No./Fund | Date | Vendor | Special Instr. |
|---|---|---|---|
| H08658-PSYC-J-X | 6/1/92 | PUCCBIT | subdirectory: psych |



ERIC

## APPENDIX H: Sample Kardex: Title with Several Components

Author and Title Psycoloquy [Computer file] -- Miscellaneous messages SERIAL

NOTE: Check in only nonarticle and nonnewsletter messages here. May include abstracts, and various miscellaneous messages. Do not check in system messages here.

Abstract 6/9/92 (connectionism)
Abstract 6/9/92 (reproductive success)
Abstract 8/29/92 (cultural learning)
Abstract 9/12/92 (express saccades)
Call for Rev. 6/24/92

Publisher and Address (listserv title)
Stevan Harnad
harnad@clarity.princeton.edu
COMES ON H40190
SER-4-70

Call No.
BF1
.P79

| Order No./Fund | Date | Vendor | Special Instr. | Gift | Exch. | Location |
|---|---|---|---|---|---|---|
| H08659-PSYC-J-X | 6/1/92 | PUCCBIT | subdirectory: psych | X | | ELC |

Psycoloquy [Computer file].[Miscellaneous messages]



BEST COPY AVAILABLE

APPENDIX I: System Message

```
==========================================================================
from: Comserve%Rpiecs.BITNET@mitvma.mit.edu
  re: Your command: join EJCREC MIT Libraries
--------------------------------------------------------------------------
date: Fri, 29 May 92 15:19 EDT
  to: ejournal_subscriptions@Athena.MIT.EDU
--------------------------------------------------------------------------
            - - -  C O M S E R V E  - - -

Comserve User,

Your request to join the EJCREC hotline has been forwarded to Comserve's
staff.   You will be notified when it has been processed.

Thank you for using Comserve.
athena%



 Alt-Z FOR HELP• VT100     • FDX •  9600 N81 • LOG CLOSED • PRINT OFF • ON-LINE
```

**APPENDIX J: TechInfo Menu, After Implementation of Electronic Library Collection**

TechInfo main menu

```
==================================
 1  About TechInfo
 2  Around MIT - Offices & Services
 3  Classified Ad Listings
 4  Computing
 5  Courses, Schedules (Fall) & Calendars
 6  Events
 7  Information Desk (calendar & things to do)
 8  Jobs and Volunteer Opportunities
>9  MIT Libraries
10  Ongoing Activities, Notices, & Clubs
11  Policies, Rules & Procedures
12  Potluck
13  Publications
14  Weather
==================================
```

******

MIT Libraries

```
=========================================================
 1  CD-Barton is Here
 2  The Basics - Library Hours and Locations
 3  Ask Owl!
 4  Need Some Help?  Library Services and Facilities
 5  Where to Find Reserve Materials
 6  The Libraries Online
 7  Databases on CD-ROM
 8  Bibliographies and Lists
 9  ICPSR Studies
10  Specifications for Thesis Preparation
11  Copy Cards
12  Library Booksales
13  Library Employment Opportunities
14  Electronic Library Collection - Access Information
=========================================================
```

```
     Electronic Library Collection
     ==========================================================
>    1  Access to Electronic Materials in the MIT Libraries
          Collection
     2  Access to Electronic Materials in the MIT Libraries
          Collection through a WAIS Client Server
     ==========================================================
```

******

```
     Access to Electronic Materials in the MIT Libraries
          Collection
     ==========================================================
     1  Directory of Electronic Journals and Newsletters
     2  Directory of Scholarly Electronic Conferences
>    3  Electronic Journal of Communication
     4  PACS Review
     5  Postmodern Culture
     6  Psycoloquy
     ==========================================================
```

******

```
     Electronic Journal of Communication
==========================================================
To find out what articles are available in this ejournal
directory, enter the following commands at an Athena prompt:

% cd /afs/athena.mit.edu/project/mitlibs/wais/ejournals/ejc
% ls

To view individual article files from this ejournal directory,
enter the following command at the Athena prompt:

% more
/afs/athena.mit.edu/project/mitlibs/wais/ejournals/ejc/[file
name]

For information on how to search the full text of these articles,
go to the Electronic Library Collection submenu and select:
Access to Electronic Materials in the MIT Libraries Collection
through a WAIS Client Server in the Electronic Library Collection
submenu.
==========================================================
```

## APPENDIX L: Procedure for Retrieving an Ejournal File via FTP

At the Athena prompt:

**% ftp [host name]**

The remote system would then require Serials Receipts to login as an anonymous user. According to accepted convention, this would be done by typing **"anonymous"** for the username and the mailgroup address for the password, when prompted. Once connected to the remote site, Serials Receipts would need to change directories using the "cd" command to find the appropriate file:

**> cd [directory name]**

Serials Receipts would then type the "get" command to copy the relevant file from the remote computer to the local computer, e.g.:

**> get [filename]**

Serials Receipts would then disconnect from the ftp site using the quit command:

**> quit**

At the Athena prompt, Serials Receipts would then use the mv command to move the transferred file from a personal email account to the holding tank in the following way:

**% mv [filename] [ejournal directory name]**

From this point, the procedures would be the same as presented in this report.

**APPENDIX M: Implementation Steps**

1. Prepare documentation on setting up symbolic links for holding tank "folders" for ejournals.

2. Prepare documentation on programming to move files from holding tank to ejournal directory.

3. Prepare programming and documentation to move files from ejournal directory to WAIS source files.

4. Act on the recommendation to create an Electronic Library Collection. If the Libraries choose to accept this recommendation:
   A. Create a corresponding OCLC holding code
   B. Create a corresponding GEAC holding code
   C. Create the Electronic Library Collection category in TechInfo/MIT Libraries
   D. Identify materials in TechInfo/MIT Libraries and mitlibs to be moved into the Electronic Library Collection
   E. Prepare and input documentation for patrons on how to modify email accounts to be WAIS-r ady and on how to use the WAIS

5. Act on the recommendation to classify ejournals.

6. Resolve Collections policy regarding the retention period for nonscholarly ejournals. If the nonscholarly ejournals policy will allow for weeding, determine who will do the weeding and whether there will be restrictions on weeding time periods (e.g. once a year only).

7. Prepare documentation on moving WAIS current source directories to WAIS back source directories and on merging new ephemeral materials into existing ephemeral material files.

8. Apply the WAIS Electronic Journal Evaluation Task Force decision to name article files consistently in current ejournal subdirectory.

9. Add Serials Receipts staff to "ejournal_subscriptions" mail group, establish read/write permission for them through IS, and train this staff in ordering, receipt, claiming, and check-in procedures.

# Collection Development Policy for Electronic Machine-Readable Resources

## I. Scope

Electronic machine-readable resources, in a wide range of formats, are becoming increasingly available for selection and are being integrated into existing collections. This policy is intended to address the general criteria to be considered in making selection decisions regarding materials in electronic formats. It is intended to be used in conjunction with existing collection development policies that have been adopted for subject considerations. The policy addresses the issues of content, access, service, hardware requirements, and vendor credentials.

For the purpose of clarifying the content of this policy, a set of relevant definitions appears as an appendix to this document.

## II. Philosophy

The impetus for selecting machine-readable products and resources for the University Libraries remains with the subject bibliographers, as it does for more traditional formats. All guidelines and policies relevant to the selection of materials in traditional formats apply to machine-readable sources, as well. However, because machine-readable formats require non-traditional means of acquisition, storage and access, additional questions beyond those detailed in the subject collections policies must be examined. Without establishing rigid criteria, the questions impacting the selection decision for machine-readable resources are outlined in this policy. Before the selection decision is made, consideration of the issues outlined in this policy should establish that:

a. library users have sufficient need for the resource to warrant its acquisition;
b. hardware adequate to support access to the product is, or will be made available to library users, or can reasonably be expected to be available to the user outside the libraries;
c. staff expertise and/or training sufficient to meet established levels of user assistance or referral can reasonably be maintained;
d. adequate means of storage, maintenance, and access to the product can be provided by the Libraries;
e. vendor contractual requirements do not impose prohibitive restrictions on the use or archivability of the product; and
f. the value of the resource justifies its cost.

## III. Selection Criteria

The following criteria apply to all electronic machine-readable resources and should be addressed in the selection process. Criteria relate to five areas:

A. Subject/Content Criteria
B. Access Criteria
C. Service Criteria
D. Format/Mounting/Storage Criteria
E. Vendor/Contractual Criteria

A. Subject/Content Criteria -- in considering an electronic resource for selection, bibliographers should evaluate the subject content of the product according to the following dimensions:

1. Significance of the resource for the discipline
   - relation to subject area collection development policy
   - has source been reviewed or recommended by an authority?
2. Relation between this source and the existing collection
   - would it provide improved access to materials already in the collections?
   - would it duplicate a resource already available at another location?
   - would it provide alternative access to heavily used materials?
3. Comparison of this source to other formats, including alternative machine-readable formats (e.g. magnetic tape vs. CD-ROM)
   - access points (indexing)
   - search capabilities (software)
   - value-added elements
   - cost (is same information available in a more economical format?)
   - frequency and cost of updates

B. Access Criteria - criteria listed here impact both the method by which a particular electronic source can or will be made available to users, and the placement or location of that product within the University Libraries.

1. Scope of the user population to benefit from access to this product
   - broad or select segment of users
   - faculty, graduate and/or undergraduate students
   - campus vs. extended community
   - library staff or end-users
2. Anticipated volume of use
3. Maximum number of simultaneous users supported by product and access modality
4. Will access be necessary at multiple locations?
5. Is the product to be utilized as a primary source, or as a reference or bibliographic tool?
6. Does the software function efficiently and consistently?
   - response time
   - ability to manipulate information
   - standardized or customized command structure
7. Quality of user interface
   - "user friendly" characteristics
   - provisions for both novice and advanced methods of operation
8. Capability of extracting information from the system for archival purposes
   - downloading, printout, compression

9. How will users learn of the availability of this source?
   - will source be cataloged?
10. Restrictions on access
   - How will access be obtained? (e.g. check out at circulation, sign-up for LAN session)
   - Is remote access (external to library) to the source permissible?

C. Service Criteria - criteria listed here pertain to the extent and nature of service implications for making an electronic resource available to library users.

1. Is adequate expertise available in the Libraries to support use of this resource?
2. How much user assistance will be required?
3. How much training will be required for staff
   - to use the resource?
   - to assist users in using the resource?
4. How familiar must a user be with computer applications to utilize the resource?
5. Is it feasible for a user or staff member to recover from a system failure or a searcher error? How difficult is recovery?
6. What will be the effect of this electronic resource upon existing services
   - reference services
   - support services (circulation, serial records, government documents, automated systems office)

D. Format/Mounting/Storage Criteria - criteria listed here relate to the physical format in which the product will be received and stored by the libraries, including the availability of hardware and maintenance support.

1. In what format will the electronic source be distributed to the Libraries? (e.g. disk, CD-ROM, magnetic tape, etc.)
2. Does the product meet national and/or international standards?
3. Will the libraries receive updated versions of the source? Will updated versions be compatible with earlier versions?
4. How much maintenance (including archival functions) will be required for this product? Can the maintenance be carried out by library personnel, University personnel, or must a specialist be consulted?
5. In what manner can the source be mounted? What storage options are possible? (e.g. mainframe, LAN, individual workstation) What storage options are recommended by the vendor? by the bibliographer? Does the vendor require purchase of customized hardware?
6. If customized hardware is available from the vendor, does it provide significant enhancement to use of the product that could not be achieved with existing library hardware? Does purchase of hardware from the vendor affect the pricing of the product?

7. Can existing equipment/hardware accommodate the operation of this resource? Is there adequate processing and storage capacity? Are product and system compatible? Will additional memory or user-interfaces be required? Are all necessary peripherals available?
8. Are existing facilities adequate? Will renovation or reconfiguration of space be required?

E. Vendor/Contractual Criteria - criteria listed here relate to the vendor of the resource and the contractual terms the library is able to negotiate for acquisition and use of an electronic resource.

1. Is a product preview or demonstration possible?
2. Does the vendor supply high quality documentation?
3. Is the cost of this source contingent upon owning the same or similar source in another format?
4. Is an educational discount available, or applicable to the purchase of multiple copies?
5. How much and what kind of customer support is provided by the vendor? Does the vendor have a reputation for standing behind its products?
6. Can the product be mounted on more than one stand-alone station?
7. Are updates timely? Are claims for unreceived updates processed efficiently by the vendor?
8. Must superseded versions be returned to the vendor?
9. Can information provided by the source be archived by the Libraries?
10. What aspects of the system and its use are protected by copyright? What is the potential liability for misuse of the system or the information it contains? Are there specific restrictions on downloading or the subsequent manipulation or use that can be made of data obtained from the product?
11. Can archival, back-up and/or replacement copies be made or purchased from the vendor?
12. Are there fees associated with use of this product?
    - registration fees required for freeware or shareware products
    - royalty fees in addition to the purchase cost of a commercial product
13. If the vender supplies the hardware, is that equipment covered by a warranty?
14. Are there specialized services, such as document delivery provided to end-users by the vendor?

# Appendix

## Definitions

Application programs - any software program designed to perform specific functions and may be adapted to multiple applications.

CD-ROM (compact disc-read only memory) - a technology using machine readable data stored on an optical disk, and read by a laser beam. Data recorded on CD-ROM may be accessed via a stand-alone workstation or computer network.

Data files - structured collection of data stored in electronic form that may be organized (structured) as a set of records, or unstructured.

E-journal (Electronic journal) - a full-text electronic publication, which may include image file, intended to be published indefinitely in machine readable form, delivered electronically to the user directly over a telecommunications network. Sometimes distributed in other electronic formats.

External data disk - a 5 1/4'' or 3 1/2'' diameter information storage medium in disk format with a magnetic coating. Data is recorded by magnetic coding of tracks on the coating according to a particular disk format. Data stored on external data disks may be made accessible through a personal computer or microcomputer.

Hardware - the physical portion of a computer system, including the electrical/electronic components (e.g. components and circuits), electromechanical components (e.g. a disk drive and central processing unit (CPU)), and mechanical (e.g. cabinet) components.

Image file - a file containing graphic information in non-ASCII format.

Internal data disk - data storage medium located within a computer (e.g. hard drive) as contrasted with external storage devices (e.g. magnetic tape).

Magnetic tape - an information storage medium consisting of a magnetic coating on a flexible backing in tape form. Data is recorded by magnetic encoding of tracks on the coating according to a particular tape format. Data stored on magnetic tape may be made accessible through a personal computer, microcomputer, mainframe, or computer network.

Network - a collection of remotely accessible electronic resources used to establish and switch communication paths between terminals. May be a wide-area network (WAN) or a local-area network (LAN)

Online public access catalog (OPAC) - a library's automated public catalog accessible over a telecommunications network or another electronic method.

Software - a generic term used to refer to the programs or sequence of commands executed by a computer system as distinct from the physical hardware of a computer systems, and encompasses both computer languages and application programs.

Text file - a file consisting only of standard ASCII characters (with no control characters or higher order characters).

Electronic Machine-Readable Resources
Vendor Conference Call
Attach to Order Card

There are many potential sources of information that can be used to prepare a proposal. One source of particular importance is direct contact with the vendor. Because information obtained from the vendor affects more than one department, a conference call will be held between the vendor, the chair of acquisitions and the public services librarian to verify information needed to complete the proposal. The public services librarian is responsible for contacting the chair of acquisitions who will make arrangements for the call.

Public services librarian:_____ Vendor:_____

Title of resource:_____

Conference Call Arrangements
Vendor representative:_____ Phone:(____) _____

Date:_____ Time:_____ Location:_____

I. Selection Criteria:
A. Formats available/cost:_____/_____
_____/_____
_____/_____

B. Subject/content criteria
1. Scope/content/record format (A.1-A.3)*
2. Access points/organization of data (A.3)
3. Search capabilities/data manipulation/ customization (A.3)
4. Value-added elements (A.3)
5. Frequency of updates/availability/cost/ compatibility (A.3)

C. Access criteria
1. Multi-user access capabilities/remote access licensing--maximum number of simultaneous users, LAN versus multiple stand-alones (B.3)
2. Standardization--command structure/data format/ industry norms (B.6)
3. Complexity/level of skill, training or prior knowledge to operate--novice and expert modes (B.7)
4. Quality of user interface (B.7)
5. Downloading/printing/archiving/back-up copies-- restrictions/copyright (B.8)

D. Mounting/storage criteria
1. Maintenance required/recovery from system failure (D.4, C.5)
2. Hardware requirements--vendor recommendations/ customized hardware including cost and value-added features/warrenty protection (D.6)
3. Processing/memory space required (D.7)
4. Speed of processing/response time (D.7)
5. Software requirements--access to other software, e.g., Windows

*See Electronic Machine-Readable Resources policy.

E. Vendor/contractural criteria
   1. Preview/demo available (E.1)
   2. Documentation--availability/quality/additional costs (E.2)
   3. Cost contingent on print subscription/purchase (E.3)
   4. Training/support provided by vendor (E.5)
   5. Liability issues for use of product/content (E.10)
   6. Ongoing fees for use of product (E.12)
   7. Special services available (E.14)

F Other product information to be verified

II. Acquisitions Information

A. Format recommended:_____

B. Order Information

Product identification:_____

Billing address:_____

_____

_____

Number of pieces/location (itemize if necessary):_____

_____

_____(Transfer info to order card.

Cost (expiration date:_____)

Catalog price: _____

Other fees (registration, royalties): _____

Educational/other discount: _____

Total price: _____

If foreign currency. total price in U.S. currency: _____

Terms of payment:_____

Date/volume of first issue to be received:_____

Warranty conditions:_____

_____

C. Licensing Restrictions

Access (more than one terminal/number of users):_____

_____

Return of superseded product:_____

Archiving:_____

Downloading:_____

D. Acquisitions please notify_____ _____

III. Other Arrangements

A. Demonstration

Date:_____ Place:_____

Name:_____ Phone:(___) _____

Equipment/Product to be Provided by Vendor:_____

_____

Equipment/Supplies to be Provided by Library:_____

_____

B. Arrangements for a Follow Up Call:_____

_____ _____

IV. Comments (attach sheet if necessary):



ERIC

PROCEDURES FOR ORDERING AND PROCESSING COMPUTER FILE TITLES

I. The following are the procedures to be used for ordering and processing non-government document CDRom titles:

A. General Information:
1. ITEMS RECEIVE RUSH PROCESSING
2. The completed Computer Electronic Machine-Readable Resource Proposal Summary and Transmittal Form remains with the piece as it is processed.
3. A CDRom title to be located on a stand-alone is given a location of [location] CmptrFl, [location] Ref, or REF CDRom (for LOVE only).
4. A CDRom title to be loaded on IRIS PLUS is given a location of IRIS PLUS.
5. Search software loaded on a stand-alone workstation for a branch is given a TECH location for the branch and for LOVE is given a LOVE TECH ASO location. Any item-level record is suppressed.
6. Search software loaded on IRIS PLUS is given a location of LOVE TECH ASO and any item-level record is suppressed.
7. Accompanying materials receive the location designated by the PS librarian on the Transmittal Form.
8. License agreements are handled by the Chair of Acquisitions
   a. The Chair, in consultation with appropriate departments, reviews the agreements.
   b. If the Libraries can keep back copies of updated disks, Acquisitions consults with the appropriate PS librarian to determine the location for the supserseded disks. This is indicated on the Transmittal Form.
   c. License agreements which come with CDRom titles are kept in Acquisitions.
9. Diskette mailers are used to send unprotected 5 1/4" disks to any location.

B. New title - monograph or serial with or without accompanying material
1. Ordering routines
   a. Title is selected by PS librarian.
   b. Librarian completes Transmittal Form. (See attached.)
      1) Form must indicate location of CDRom and and accompanying material.
      2) Information about disposition of all disks and accompanying material is noted.
   c. Order information and Transmittal Form are sent to Acquisitions, after having been approved by Public Services Committee.

2. Acquisitions
   a. Orders new title and files Transmittal Form.
      1) Information about the disposition of all disks and accompanying material is noted in the order record.
   b. Receives new title and matches with appropriate Transmittal Form.
   c. Sends any floppy disks, with Diskette-To-Be Copied Form, to Automated Systems Office.

3. Automated Systems Office
   a. Verifies floppy disks, and copies, as appropriate.
      1) Labels copied floppy disks with same label information that is on original label.
      2) Property stamps these labels to indicate they are copies.

b. Retains original floppy disks on file for future copies.
c. Sends copied floppy disks and Diskette-To-Be-Copied Form to Acquisitions within 48 hours.

4. Acquisitions
   a. Completes receipt/payment processes.
   b. Notifies vendor/agency if any disks are defective; title is not forwarded for cataloging.
   c. Forwards CDRom and any copied floppy disks along with accompanying materials and Transmittal Form for cataloging with RUSH/HOLD SLIP: serials to Serials Cataloging and monographs to Cataloging.

5. Serials Cataloging
   a. Catalogs and downloads bib record following normal practice.
   b. Sends out staff e-mail concerning processing and availability of title, e.g. "[CDRom title] has been cataloged and will be available in a few days."
   c. Sends CDRom and any copied floppy disks with all accompanying material, including Transmittal Form to Serial Records Quality

6. Serial Records Quality
   a. Creates the check-in records for CDRom, software, guides, as appropriate.
      1) Suppresses check-in records for software and for guides that have a TECH location
   b. Does not creates item-level record for CDRom.
   c. Completes Processing slip(s).
   d. Sends CDRom disks for IRIS PLUS (with a Processing slip) directly to Automated Systems Office for loading; sends accompanying material for IRIS PLUS titles to Marking and Labeling with a Processing slip.
   e. CDRom titles, with Processing Slip, for other locations are sent to Cataloging (MODM) for marking, labeling, and item-level record creation. (See Sections I.D. and I. E. below.)
      1) Sends processed CDRom, with Transmittal Form, to Automated Systems Office for loading.

7. Cataloging
   a. Catalogs and downloads bib record following normal practice.
   b. Completes marking and label information or binding slip, including "Contains" note information, if needed.
   c. Sends out staff e-mail concerning processing and availability of title, e.g. "[CDRom title] has been cataloged and will be available in a few days." The subject line of the e-mail: New IRIS CDRom Title.
   d. Marks and labels, as per guidelines. (See Section I.D. below.)
   e. Creates item-level record for all pieces. (See Section I.E., below.)
   f. Sends CDRom(s) and software disks with Transmittal Form to Automated Systems Office for loading on IRIS PLUS or stand-alone workstation.
   g. Sends accompanying materials to designated location or Binding, as appropriate.

8. Binding
   a. Follows directions on binding slip.
   b. Sends to designated location or Marking and Labeling.

9. Automated Systems Office
   a. Loads CDRom with its software on designated workstation or IRIS PLUS within 72 hours of receipt.
   b. Retains software disks for IRIS PLUS and LOVE titles.
   c. Sends software disks for other workstations to designated location.
   d. Discards Transmittal Form.

C. Updates to serial CDRom titles
   1. Acquisitions
      a. Receives item.
      b. Puts on RUSH shelf in checking area.

   2. Serials Records
      a. Checks in item within 48 hours of receipt.
      b. If floppy disk is included, sends to Automated Systems Office to have disk copied and verified.
         1) If disk is found to be defective, sends to Order Section who notifies the vendor.
      c. Completes Processing slip(s).
      d. Sends IRIS PLUS items, with Processing slip, to Automated Systems Office.
      e. Sends CDRom updates for other locations to location designated in the check-in record.
         1) CDRom is sent with Processing Slip in an unlabeled jewel case.
         2) Branch removes superseded CDRom from its caddy and inserts new one.
         3) Branch returns superseded CDRom to Serials Records in unlabeled jewel case, with Processing Slip.
         4) Branch notifies Marking and Labeling when additional caddies are needed.
      f. Sends any items which need marking, labeling, or item-level record creation to Cataloging (MODM), with Processing slip.

   3. Cataloging (MODM)
      a. Marks and labels items following guidelines. (See Section I. D below.)
      b. Creates item-level records for items that will circulate.
      c. Sends items to designated locations and discards Processing slip.

   4. Automated Systems Office
      a. Copies and verifies floppy disk, returns to Serials Records.
      b. Loads verified software on appropriate workstation.
      c. Loads items on IRIS PLUS
      d. Sends software disks for other locations to designated location.
      e. Retains software disks for IRIS PLUS and Love titles.
      f. Discards Processing Slip

D. Labeling instructions (MODM)
   1. Locations and call nos. are to be written or typed on labels before they are attached to a floppy disk, so as not to damage the disk.
   2. Labels are not to be attached to a CDRom, only to the caddy.
   3. Self-adhesive labels are used on floppy disks and caddies. Do not use Se-lin labels on floppy disks or caddies.
   4. Labels are not to cover signficant information.
   5. Labels are not to cover any hole in a floppy disk.
   6. Property stamp on floppy disks is verified; if not property stamped, supervisor if notified, as floppy disk may not have been copied.

7. All CDRom disks, except those with an IRIS PLUS location, are to be placed in caddies, unless otherwise specified.
   a. Labels are to be placed on the back of the caddy.
   b. For specific instructions on labeling CDRom caddies, see the document, "Marking and Labeling CDRoms."
8. All items are forwarded for item-level record creation.

E. Information for item-level records
   1. For CDRom disk not loaded on IRIS PLUS
      loccode: [location code]cm, [location code]rf, lrfro
      e.g. ecm (ENGR CmptrFl), fcm (BIOL CmptrFl), lrfro (Love Ref CDRom), rrf (CYT Ref)
      I-type: 51, 52, 53, 151, 152, or 153
      status: o (LIB USE ONLY)
   2. For CDRom for IRIS PLUS
      loccode: iris+
      I-type: 51, 52, or 53
      status: o (LIB USE ONLY)
   3. For software floppy disks
      loccode: [location code]te
      e.g. rte (CYT Tech), lteo (LOVE Tech ASO)
      I-type: 51, 52, or 53
      I code 2: n
      status: o (LIB USE ONLY)
   4. For accompanying material
      loccode: [location designated by PS librarian on Transmittal Form
      I-type: [code for type of material]
      status: - (AVAILABLE) or o (LIB USE ONLY); see Transmittal Form

II. T ollowing are the procedures to be used for ordering and processing non-government document computer file titles on floppy disks:

A. General Information:
1. ITEMS RECEIVE RUSH PROCESSING
2. The completed Electronic Machine-Readable Resource Proposal Summary and Transmittal Form remains with the piece as it is processed.
3. A floppy disk title is given a location of [location] CmptrFl or [location] Ref
4. Search software for a title to be loaded on a stand-alone workstation in a branch is given a TECH location for the branch and for LOVE is given a LOVE TECH ASO location. Any item-level record for software loaded on a stand-alone is suppressed.
5. Accompanying material receives the location designated by the PS librarian on the Transmittal Form.
6. A floppy disk title not loaded on a stand-alone workstation is usually cataloged together with any software and accompanying material following AACR2r. It is given a location of [location] CmptrFl and the software and accompanying materials are given the same call no. with the appropriate designator below the call no. For example:

| | | |
|---|---|---|
| ENGR | ENGR | ENGR |
| CMPTRFL | CMPTRFL | CMPTRFL |
| PN | PN | PN |
| 234 | 234 | 234 |
| J78 | J78 | J78 |
| 1992 | 1992 | 1992 |
| | software | guide |

7. License agreements are handled by the Chair of Acquisitions
   a. The Chair, in consultation with appropriate departments, reviews the agreements.
   b. If the Libraries can keep back copies of updated disks, Acquisitions consults with the appropriate PS librarian to determine the location for the superseded disks. This is indicated on the Transmittal Form.
   c. Licensing information which comes with a floppy disk title is kept in Acquisitions.
8. A diskette mailer is used to send unprotected 5 1/4" disk to any location.

B. New title - monograph or serial with or without accompanying material
1. Ordering routines
   a. Title is selected by PS librarian.
   b. Librarian completes a Transmittal Form. (See attached.)
      1) Form must indicate location of floppy disk title and documentation.
      2) Information about disposition of all disks and accompanying materials is noted.
   c. Order information and Transmittal Form are sent to Acquisitions, after having been approved by Public Services Committee.

2. Acquisitions
   a. Orders new title and files Transmittal Form.
      1) Information about the disposition of all disks and accompanying materials is noted in the order record.
   b. Receives new title and matches with appropriate Transmittal Form.
   c. Sends floppy disks, with Diskette-To-Be Copied Form, to Automated Systems Office.

3. Automated Systems Office
   a. Verifies floppy disks, and copies, as appropriate.
      1) Labels copied floppy disk with same label information that is on original label.
      2) Property stamps these labels to indicate they are copies.
   b. Retains originals on file for future copies.
   c. Sends copied floppy disks, with Diskette-To-Be-Copied Form to Acquisitions <u>within 48 hours.</u>

4. Acquisitions
   a. Completes receipt/payment processes.
   b. Notifies vendor/agency if any disks are defective; title is not forwarded for cataloging.
   c. Forwards copied floppy disk along with accompanying materials and Transmittal Form for cataloging with RUSH SLIP: serials to Serials Cataloging and monographs to Cataloging.

5. Serials Cataloging
   a. Catalogs and downloads bib record following normal practice.
   b. Sends floppy disk title with all accompanying material, including Transmittal Form, to Serial Records Quality.

6. Serial Records Quality
   a. Creates the check-in records for floppy disk title, software, and guides, as appropriate.
      1) Suppresses check-in records for software, and for guides that have a TECH location.
   b. Completes Processing slip.
   c. Sends items with Transmittal Form and Processing Slip to Cataloging (MODM) for marking, labeling and item-level creation

7. Cataloging
   a. Catalogs and downloads bib record following normal practice.
   b. Completes marking and label information including "Contains" note information, if needed; and or/completes binding slip, if pocket is needed.
   c. Marks and labels, as per guidelines. (See Section II.D. below.)
   d. Creates item-level record for all pieces. (See Section I. E. above)
   e. Sends floppy disk title with software disks to:
      1) Automated Systems Office with Transmittal Form for loading on hard drive, <u>OR</u>
      2) Location designated on the floppy disk.
   f. Sends accompanying materials to designated location or Binding, as appropriate and discards Processing Slip.
   g. Discards Transmittal Form, if disks not going to Automated Systems Office.

8. Binding
   a. Follows directions on binding slip.
   b. Sends to designated location or Marking and Labeling.

9. Automated Systems Office
   a. Loads floppy disk computer file title with its software on designated stand-alone workstation within 72 hours of receipt.
   b. Retains software for LOVE titles loaded on stand-alone workstation
   c. Sends software for other workstations to designated location.
   d. Discards Transmittal Form.

C. Updates to serial floppy disk titles
1. Serials Records
   a. Receives item.
   b. Checks in item within 48 hours of receipt.
   c. Sends to Automated Systems Office to copy and verify disk.
   d. Completes Processing slip.
   e. Sends to Cataloging (MODM).

2. Cataloging (MODM)
   a. Marks and labels items following guidelines. See Section II. D. below.)
   b. Creates item-level records for serials that will circulate.
   c. Sends disks to be loaded on stand-alone workstation, with Processing Slip, to Automated Systems Office.
   d. Sends other disks to designated locations and discard Processing slip.

3. Automated Systems Office
   a. Verifies and copies floppy disks; returns to Serials Records if defective.
      1) If defective, Serials Records sends to Order Section who notifies the vendor.
   b. Loads floppy disks sent from MODM on appropriate stand-alone workstation per instructions on Processing slip.
   c. Discards Processing slip.

D. Labeling instructions
1. Locations and call nos. are to be written or typed on labels before they are attached to a floppy disk, so as not to damage the disk.
2. Self-adhesive labels are used on floppy disks. Do not use Se-lin labels on floppy disks.
3. Labels are not to cover signficant information.
4. Labels are not to cover any hole in a floppy disk.
5. Verify the property stamp on floppy disks; if not property stamped, notify supervisor as floppy disk may not have been copied.
6. All items are forwarded for item-level record creation.

9/92; rev.10/1/93sh

ELECTRONIC MACHINE-READABLE RESOURCE PROPOSAL SUMMARY
AND TRANSMITTAL FORM

Librarian:_____Date:_____

TITLE of proposed resource:

A. Publication information:

Source/Publisher:

Vendor:
Vendor Address:

Vendor Phone:

No. of disks to be received:

Format to be received: (circle)
CD ROM 3.5" floppy 5.25" floppy Magnetic tape Internet Other:_____

Updates: _____Yes _____No
If yes, how often?_____
If superseded:
_____Discard; who discards?
_____Return to vendor; who returns?
_____Retain; location_____

Source: _____Purchase; Fund:_____ _____Gift _____Document

Price: Discount:

B. Access Criteria

Location of the resource and method of access: (check all that apply)

| | |
|---|---|
| _____IRIS PLUS | _____Stand-alone workstation |
| _____Love REF | _____Dial-up access |
| _____Love Cmptrfl | _____Tapeload |
| _____LOVE DOCS | _____Other:_____ |
| _____Branch_____ | |

Describe the accompanying material: (Ready reference sheets, guides, etc.)

Location of accompanying material:_____
Will accompanying material circulate? _____Yes _____No

Anticipated level of use:

C. Mounting/storage criteria: (Use additional pages if necessary)

What existing software/hardware will be used? Be specific

If additional software/equipment will be needed, describe:

If changes in existing facilities (cabling, power, lighting, remodeling, etc.) will be required, give details:

If IRIS PLUS access if being proposed:
How many disks will be mounted?

Does the software use standard device driver commands? _____Yes _____No

Will the software support Novell Netware and CD-Net? _____Yes _____No

If not all disks, tapes, etc. are mounted, where will the unmounted items be stored, and who will be responsible for handling them (Serials Records, ASO, Documents staff)?

Are there additional security precautions to be considered?
If so, what are they?

D. Vendor/contractural criteria:

What are the licensing agreements with respect to:
Retention of the product: (ownership, lease terms, etc.)?

Restriction on use: (network, no. of simultaneous users, etc.)?

Copyright restrictions (backup disks, downloading, etc.)?

Other?

**********

ASO Recommendation:



ASO signature:_____Date:_____

Acquisitions Procedures for E-Journals. University of Saskatchewan

- E-Journal titles are chosen by a Selector and passed to Acquisitions.
- Search for the for electronic address for the title in the "Directory of Electronic Journals, Newsletters and Academic Discussion Libraries." and in gopherspace.
- E-mail message is sent to electronic address to subscribe to the selected e-journal title.
- E-Journals are received in a personal e-mail account as an e-mail message, copied to an editor and edited ie: mail headers are edited out, then posted to Gopher.
- E-Journal titles which cannot be subscribed to are downloaded via FTP, or collected from Gopher, but are otherwise handled the same.
- A screen print is printed of the title, issn., volume, issue number, publishing info, etc. and passed to the Serials Catalogue Librarian to be catalogued. The record is displayed in OPAC as an E-Journal and location GOPHER.



ERIC

**Appendix 1: List of E-Journals recommended by Selectors**

**I. Selected Titles for the Pilot**

1. Arachnet Electronic Journal of Virtual Culture. [Humanities & Social Sciences] Online magazine forum dedicated to the interface of contemporary art and new communication technology.

   - Subscribed to by e-mail message

2. Bryn Mawr Classical Review. [Humanities & Social Sciences]. An electronic book review journal published at Bryn Mawr College and the University of Pennsylvania.

   - Subscribed to by e-mail message

3. Current Cites

   -Pointed to over the network

4. Distance Education Online Symposium (DEONEWS). [Education] This serves professionals and students in the area of distance education.

   - Subscribed to by e-mail message

5. EJOURNAL. [Library and Information Science] This is a peer reviewed, academic periodical about electronic texts. Its scope includes the broader social, psychological, literary, economic and pedagogical implications of computer-mediated networks.

   - Subscribed to by e-mail message

6. Flora Online. [Science and Technology] A peer reviewed journal for systematic botany. It includes original data intensive studies and original programs dealing with botanical topics.

   - Not available

7. Interpersonal Computing and Technology Journal: An Electronic Journal for the 21st Century. [Library and Information Science]

   - FTP (file transfer protocol)

8. Journal of Fluids Engineering [Science and Technology]

   - Not available

9. New Horizon in Adult Education. [Education] This refereed journal has been published since 1987. Current thinking and research in the area of adult education constitute the focus of this journal.

   - Subscribed to by e-mail message

10. Online Chronicle of Distance Education and Communication. [Education]

    - Not available

11. PACS Review

    -Pointed to over the network

12. Postmodern Culture. [Humanities & Social Sciences] This is an interdisciplinary journal focusing on the forms and practices of academic writing and experimenting with departures from the traditional publishing.

    - Subscribed to by e-mail message

13. PSYCOLOQUY: A Refereed Journal of Peer Commentary in Psychology, Neuroscience and Cognitive Science. [Humanities & Social Sciences] This e-journal is sponsored by the American Psychological Association.

    - Subscribed by e-mail message

14. Religious Studies Publications Journal - CONTENTS. [Humanities & Social Sciences] This journal includes table of contents, bibliographic, pricing, and ordering information and, when available, abstracts of new books and journal issues.

    - Subscribed to by e-mail message

15. Scientist, The [Science and Technology]

    - Subscribed to by e-mail message

16. Textual Studies in Canada. [Humanities & Social Sciences] The focus of this journal is on the study of texts with a Canadian context.

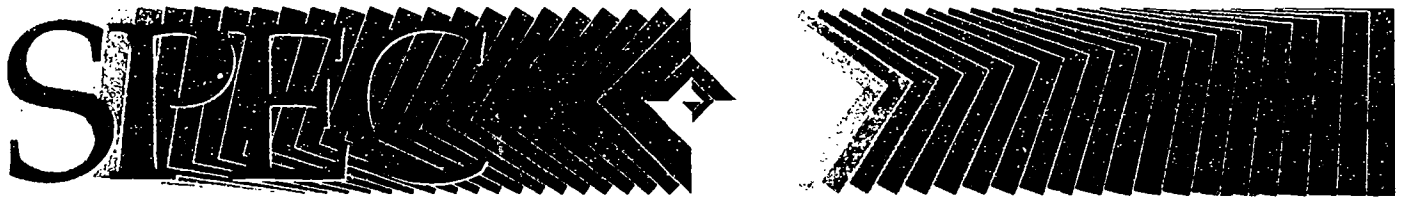
    - Not available

17. Issues In Science and Technology Librarianship. [Library and Information Science] This is a publication of Association of College and Research Libraries of ALA.

    - Subscribed to by e-mail message

18. Laboratory Primate Newsletter [Science and Technology]

    - Subscribed to by e-mail



SYSTEMS AND PROCEDURES EXCHANGE CENTER

# TRAINING DOCUMENTS

# INTERNET RESOURCES TRAINING MANUAL

Draft 1

A manual developed in conjunction with the Internet Resources Training Project based on a proposal by the MIT Libraries Collection Management Group and Reference and Instruction Services Committee

A work in progress
by Marilyn Geller
MIT Libraries
March-May 1993

Copyright 1993 Massachusetts Institute of Technology

Permission to use, copy and distribute this document solely for personal use or for educational purposes and without fee is hereby granted, provided that the copyright notice and this permission notice appear in all copies and any portions thereof. This document is provided "as is" without express or implied warranty. Any additional use of this documentation requires the prior written permission of the Massachusetts Institute of Technology. Please direct inquires to: The Office of Director of Libraries.

X Windows is a registered trademark of the Massachusetts Institute of Technology.

INTERNET RESOURCES TRAINING MANUAL

Draft 1

Session 1: UNIX and Athena


| | |
|---|---|
| Basic email commands | 1 |
| Beyond basic email | 3 |
| Folders | 5 |
| Home directory, subdirectories, files | 7 |
| Moving around in directories | 8 |
| Working with files | 9 |
| Dot files | 10 |
| Athena's online resources | 12 |

**Appendix 3: FAQ--Frequently Asked Questions**

## E-Journal FAQs

1. Is there any cost incurred by the library for e-journal subscriptions?

All e-journals to which we currently subscribe as part of the pilot project are available at no cost over the Internet. The only fee associated with use of the Internet is a flat fee which the university pays to establish and maintain an Internet connection.

2. How does the library receive e-journal issues and how are these made available on the library Gopher?

Issues are retrieved in one of two ways. They are either sent directly to an e-mail account in Acquisitions, or ftp (file transfer protocol) is used to retrieve those issues stored at remote sites and download them to a local machine. Any accompanying advertising or junk mail is edited out and the issue is ready to be mounted on the Gopher. The E-Journal Pilot Project Working Group is planning to have a script written that will automate this process.

3. Where are the individual issues of each e-journal stored?

All issues of the e-journals to which we currently subscribed, with the exception of the library science journals, are stored on the hard disk of a computer on campus (Herald). Everything will continue to be archived locally until such time as formal reciprocal archiving agreements with other information storage sites are in effect. For test purposes library science e-journals which are stored at remote sites are included in the pilot. The Gopher software enables you to connect to these sites and search them as though you were using a local database.

4. Will earlier issues of currently received e-journals be acquired? Will back issues be retained?

If library selectors feel there is enough interest, an effort will be made to acquire those issues of currently received e-journals that were published prior to the pilot project beginnings. The decision to retain back issues is a holdings one. Again, it will be up to library selectors to decide if there is enough interest to justify retaining all back issues or just selected years.

5. Once e-journals are up on the public INFOACCESS menu, will students have the options to manipulate issues by saving them to a file, mailing them to an account or creating bookmarks?

The only option that will be available to anyone working from the public INFOACCESS menu is the mail option. Anyone having their own account will be able to access Gopher and use the other options.

6. Can printing at the public INFOACCESS terminals be controlled so that people cannot print out entire issues?

There is no way to control printing at the public INFOACCESS terminals. The only method, inconvenient though it may be, is to have public service staff monitor people at the terminals to ensure that users are not printing out reams of material. Staff should encourage people to use screen dumps for the parts of an issue they are interested in, instead of printing out the entire issue.

7. How will the problems associated with copyright on electronic materials be dealt with?

E-journals, like their print counterparts, are under copyright protection and the library retains all copyright notices that are received with e-journal issues. Just as library staff cannot be expected to monitor what individuals do with personal photocopies from print journals, we cannot be expected to control what is done with individual e-journal issues once they are saved to a file, mailed to an account or printed out. If an individual decides to violate the copyright laws, it becomes that person's responsibility to deal with the consequences.

8. How were the e-journals subscribed to as part of the pilot project selected? How will selection be handled in the future?

The titles selected for the pilot were chosen by library selectors. Future e-journal titles will be selected in the same manner that print items are presently chosen - by selectors in consultation with faculty.

9. What is the difference between the e-journals mounted on Gopher and those available through the JOURNAL folder on bulletin?

The JOURNAL folder on Bulletin was initially created by Peter Scott as a means for everyone on campus with a computer account to have access to e-journals. The idea was to alleviate the need to have a number of individual subscriptions by having certain journals available in one location. This was done at a time before Gopher was widely available. Presently, the JOURNAL folder is used primarily to mount premiere issues of interesting or noteworthy new e-journals.

10. When will e-journals that have useful subject content for disciplines such as law, engineering and health be mounted on Gopher?

When the e-journals pilot project was initiated library selectors were asked to pick those titles they felt would be most useful for the purposes of the test project. When the pilot has proven itself to be successful, and the library decides to move on with the e-journals project, new titles will be chosen by selectors in consultation with faculty. Titles for specific subject areas will be considered as they become available.

**Appendix 4: Staff Handout**

# STAFF GUIDE TO E-JOURNALS

## 1. What are E-journals?

An e-journal is a journal whose creation and distribution to the public is entirely in electronic format. E-journals range from ones that are mostly news to those containing scholarly refereed articles. Like print journals they cover a wide spectrum of subjects. Currently, most e-journal subscriptions are free and are distributed via the Internet.

## 2. Gopher

A program called Gopher has been installed on SKLIB and other campus computers by Computing Services to allow for access to e-journals and other information.

A link to Gopher on INFOACCESS allows users to read e-journals. E-journal articles can be printed wherever INFOACCESS files can be printed; for example, library clients will be able to use the Reference Department's INFOACCESS printers.

Library staff, however, may run Gopher from their own account on SKLIB and they will have greater functionality than general library clients who are only INFOACCESS users. Library staff will be able to save journal issues to a file, print at a local printer and make bookmarks.

## 3. Basic Commands to Read and Print E-Journals

a) To start, connect to your SKLIB account and get the $ prompt.

b) At the $ prompt type *gopher* and hit return.

This takes you directly to the Gopher program without having to use the INFOACCESS menu.

The main menu of Gopher will appear. One entry is ***Library***.

c) Using the cursor keys (up and down arrow keys) move around the menu and highlight ***Library***

d) Press return to see the Library menu. Now you will see an option for ***E-journals***.

e) Choose ***E-journals*** from the menu and you will be able to look at the next menu level which is a subject list of e-journals; for example, selecting ***Humanities*** gives you the list of Humanities e-journal titles. Choose a title and read the issues available at the University of Saskatchewan.

**4. Basic Commands in Menus:**

Below are listed the basic functions or commands make full use of Gopher menus. These can be entered when there is a cursor blinking.

| Command | Action |
|---|---|
| Return | Press return key to select a menu option |
| u: | Press u to go up a level to a previous menu |
| m: | Press to return to main menu |
| ?: | Press ? for more help |
| q: | Press q to quit gopher or the HELP feature |

Move through the menus selecting E-journals. The issues for all the titles are stored at the University of Saskatchewan except for the titles in the Library and Information Science menu. These titles are stored on computers at other Internet sites. The Gopher program can connect to these remote computers and issues of e-journals appear to the user as though they were stored locally. To the user there is no difference. This is the nature of client-server software.

**5. Basic Commands when Reading an Issue:**

Select an issue of an e-journal to read on the screen. The first page of the e-journal will appear on the screen. To move around in the issue which may be many screens of text, use the following commands:

| Command | Action |
|---|---|
| space, PgDn: | view the next screen |
| u, CTL-U, PgUp: | view the previous screen |
| up arrow: | view the previous line |
| down arrow | view the next line |
| /text<br>f | search for text - any word<br>e.g. /library finds text with the word library |
| % | move through a percentage of the file;<br>e.g. % 20 |
| +, t | top of issue |
| b | bottom of issue |
| h | help (full list of commands given here) |
| q | quit |

Mail or Print Command — Either at the end of reading an e-journal or when you press **q** to quit reading an issue, you will be prompted to **<m>** mail, or **<p>** print or **<s>** save to a file.

INFOACCESS users will only have the option to **<m>** and can mail a message to their own account. The address must be enclosed in triple quote, e.g. **in:"""scottp@herald.usask.ca"""**.

With a staff account on SKLIB, you can save the issue to a file provided that you have enough space to store the e-journal issue. Be careful because some e-journals issues are large!

Bookmark is a feature that allows you to remember where you have been in the maze of menus and to easily return there.

| Command | Action |
|---|---|
| a | add current option to bookmark list |
| v | view bookmark list |

## 6. How to Cite an E-journal:

Sample Citation for a Serial Article in Electronic Format[1]:

Cisler S. MediaTracks. Public Access Comput Syst Rev [serial online]; 1(3):109-15. Available from: Public Access Systems Forum PACS-L via INTERNET, National Science Foundation, Washington, DC.

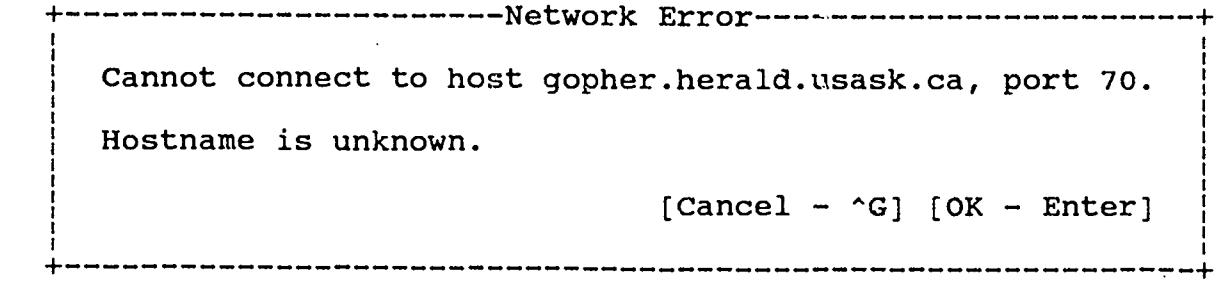
## 7. How to Get More Help and Offer Suggestions:

For technical problems running the Gopher, call or send e-mail to Peter Scott, Systems Department, 966-5920.

Library users may want to run Gopher from their own PC, MacIntosh or another type of computer account. They can do this but should contact Consulting, room 160, Physics Bldg.; phone 966-4817: for a handout with the specific gopher commands for their type of computer.

## 8. Errors:

Occasionally there may be difficulty connecting to a computer at another site and the following message will appear:




You should log off and try again a little later.

---

[1]. Patrias, Karen. National Library of Medicine recommended formats for bibliographic citation. Bethesda, MD: U.S. Dept. of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine Reference Section, [1991].

## Scholarly Communications Project

University Libraries
Virginia Polytechnic Institute and State University

*History and Purpose*

***To pioneer in electronic communication of scholarly materials*** is the goal of the Scholarly Communications Project. It was established in the fall of 1989 by then-Vice President for Information Systems, Dr. Robert Heterick. Lon Savage directed the project until his retirement in December 1993; Gail McMillan assumed that responsibility in January 1994. James Powell is the technical director.

The pioneering efforts of the Project have included publishing three electronic journals, the abstracts of a fourth, and the raw research data of a fifth. In addition the Project has helped editors get involved in the electronic publishing process, resolved technical issues related to information presentation and its rapid dissemination, and assisted subscribers and libraries in making use of the information, among other things. Experimentation has also been a principle activity, so much so that resolving technical issues often means trying various display formats that are not yet in common use by the journals' subscribers. All of the publishing efforts to date have been through electronic dissemination on the Internet.

James Powell of the Libraries' Automation Department is responsible for the technical wizardry that makes it all happen. Through his hard work and dedication to electronic communications, the publications of the Scholarly Communications Project are viewable in many different formats, including low-end text-only, i.e., ASCII, available through FTP, Gopher, WAIS, and Worldwide Web; and, for the more sophisticated users, through experimentation in other formats such as PostScript and Mosaic. Not every publication is available in every format for the Project is experimenting with finding the most useful retrieval and display formats for the subscribers, the university community, as well as for the Internet community.

The Scholarly Communications Project is committed to maintaining all issues of its publications online indefinitely. These archived materials currently require approximately 75Mb of storage, with additional disk storage on the way which will aid the Project in expanding its capabilities for electronically publishing graphics. The Project's computer logs an average of nearly 7000 file retrievals per month from all over the world, approximately a six-fold increase during 1993.

To access the publications of the Scholarly Communications, FTP to Borg.lib.vt.edu (login: anonymous, password: your userID).

*Journal of the International Academy of Hospitality Research*

*JIAHR* was the first electronic journal published by the Scholarly Communications Project. The first issue was published in November 1990 and all of its text-only issues are available only electronically. Its editors, originally Dr. Mahmood Kahn and now Dr. Eliza Tse, are on the faculty of Virginia Tech's Hotel, Restaurant and Institutional Management Department.

*Community Services Catalyst*

*Catalyst*, one of the first print journals to be published both traditionally and electronically, the Project began electronic publication with the summer 1991 issue. In addition, scanning and OCR (optical character recognition) technology have been used to extend the electronic archive of back issues to 1989. *Catalyst* began publication in 1973 and is edited by Tech faculty member, Dr. Darrel Clowes.

*Journal of Technology Education*

Another print journal that is also published electronically by the Project is the *JTE*, edited Dr. Mark Sanders, in the Technology Education program area at Virginia Tech. Because he has been electronically preparing the journal for publication with standard word processing since it first issue in

1989, the Project easily made the entire run available in the electronic archives though the Project began electronically publishing it in the spring of 1992. *JTE* is also unique because each issue contains graphics and these are also part of the electronic publication. Readers with text-only capabilities have full access to the text of the journal, while readers with greater capabilities can also retrieve the graphic illustrations, either integrated into the article (as they are in traditional publications), or as separate PostScript files.

***Spectrum***

The Virginia Tech faculty/staff newspaper is the latest publication to be fully accessible online through the Project's server. While *Spectrum* is not mailed to a list of electronic subscribers as are the previously mentioned journals, the complete files for each issue are available promptly upon publication and have been electronically archived since the May 6, 1993 issue. Currently, only the text of each issue is available online, but one experimental issue includes the photographs and it is available with Mosaic through accessing the Project's Worldwide Web.

***Modal Analysis***

The Scholarly Communications Project publishes the online abstracts of the print quarterly *International Journal of Analytical and Experimental Modal Analysis*. The Project does not electronically publish the journal at this time because of the challenge of integrated text and "graphics," or non-ASCII characters such as mathematical symbols imbedded within text. One of the Projects pioneering efforts has been devoted to experimenting with various publishing formats. including Mosaic, PostScript, and Acrobat.

***Journal of Fluids Engineering***

Another challenge to electronic publication is the *JFE*, edited on campus by Dr. Demitri Telionis. The Project expanded its electronic scholarly communications pioneering to make available the raw research data used as the basis of papers published in the traditional print version. As with *Modal Analysis*, further experimentation will resolve the problems of electronically publishing integrated text and non-text simultaneously. We are also working with Dr. Telionis to experiment in making available electronically photographs and to establish a unique interactive online discussion list for fluids engineers.

***VPIEJ-L***

An online discussion list, VPIEJ-L is available through the Scholarly Communications Project's server. It has been the source of online discussions about all aspects of electronic publishing since June 1992. There are 800 subscribers including publishers, editors, technical staff, programmers, librarians, and end-users. Topics for discussion have included what distribution methods work better than others, how end-users are accessing and using electronic publication, formats and mark-up languages, and software and hardware considerations for creation of, storage, and access to electronic journals.

***Future***

At the Scholarly Communications Project we want to continue to experiment with electronically publishing scholarly materials and to continue to work with new and current journal editors. In the works is an agreement with the Society of Experimental Mechanics, headquartered in Connecticut, to publish the abstracts of their flagship journal, *Experimental Mechanics*. We have also begun discussions with a British commercial publisher of science and technology journals to electronically publish their article abstracts and to perhaps eventually publish one or more of its journals. We are also finalizing work with a faculty member to publish a new journal in philosophy and technology, and we have been discussing publishing bulletins from some of Virginia Tech research centers.

gmcmilla@vtvm1.cc.vt.edu
jpowell@vtvm1.cc.vt.edu

1/24/94



ERIC

SYSTEMS AND PROCEDURES EXCHANGE CENTER

# SAMPLE GOPHER AND OPAC SCREENS

```
-------------------------------------------------Colorado State Univ.-------
000:  01188cas  22003497a 4510
003:  OCoLC^
005:  19930226133115.0^
008:  901005c19909999ncutr1p       0   a0eng d^
010:    ^asn 90003259 ^
012:    ^i9211^11^
022:  0 ^a1053-1920^
035:    ^a(OCoLC)22471982 ^
040:    ^aNSD^cNSD^dNST^dNSD^dNST^dCOF^
042:    ^ansdp^alcd^
049:    ^aCO9C[PER.RM]^
082:  10^a909^212^
090:    ^aPN98.P67^bP65^
210:  0 ^aPostmod. cult.^
222:   0^aPostmodern culture^
245:  00^aPostmodern culture :^bPMC^h[computer file].^
246:  10^aPMC^
260:    ^aRaleigh, NC :^bPostmodern Culture,^cc1990-^
265:    ^aPostmodern Culture, Box 5657, Raleigh, NC 27650^
more follows -- press <RETURN> (Q to quit)
210:  0 ^aPostmod. cult.^
222:   0^aPostmodern culture^
245:  00^aPostmodern culture :^bPMC^h[computer file].^
246:  10^aPMC^
260:    ^aRaleigh, NC :^bPostmodern Culture,^cc1990-^
265:    ^aPostmodern Culture, Box 5657, Raleigh, NC 27650^
310:    ^aThree no. a year^
350:    ^aFree (electronic mail)^a$30.00 (institutions, microfiche or
          disk)^a$15.00 (individuals, microfiche or disk)^
362:  0 ^aVol. 1, no. 1 (fall 1990)-^
500:    ^aMode of access: Electronic mail on INTERNET and BITNET.^
500:    ^aDescription based on surrogate.^
500:    ^a"An electronic journal of interdisciplinary criticism."^
530:    ^aAvailable also on microfiche and computer disk.^
650:   0^aPostmodernism^xPeriodicals.^
776:  1 ^tPostmodern culture^
899:    ^aSerial^

LOCN:   PER.RM 2ND E      STATUS: Not checked out --
CALL #: PN98.P67 P65

----1-------------------------------------------------Colorado State Univ.-------
<R>epeat this display, <Q>uit,
<S> to SELECT  <X> for Express,  <H> for Search History,  <O> for Owners    >
```



BEST COPY AVAILABLE

```
-----------------------------------------------------Colorado State Univ.-------
000:  01202cas  22003497a 4510
003:  OCoLC^
005:  19930226133634.0^
008:  901128c19919999nyumr1p       0   a0eng d^
010:    ^asn 90003335 ^
012:    ^k1^l1^
022:  0 ^a1054-1055^
030:    ^aEOURER^
035:    ^a(OCoLC)22748096 ^
040:    ^aNSD^cNSD^dCAS^dCOF^
042:    ^ansdp^alcd^
049:    ^aCO9C[PER.RM]^
082:  10^a004^212^
090:    ^aZ286.E43^bE46^
130:  0 ^aEjournal (Albany, N.Y.)^
212:  0 ^aElectronic journal^
222:   0^aEjournal^b(Albany, N.Y.)^
245:  00^aEjournal^h[computer file]^
246:  10^aE journal^
more follows -- press <RETURN> (Q to quit)
222:   0^aEjournal^b(Albany, N.Y.)^
245:  00^aEjournal^h[computer file]^
246:  10^aE journal^
260:    ^aAlbany, N.Y. :^bUniversity at Albany, State University of New
          York,^cc1991-^
265:    ^aUniversity at Albany, University of New York, Albany, NY
          12222^alistserv@albnyvm1.bitnet^
310:    ^aMonthly^
362:  0 ^aVol. 1, issue 1 (Mar. 1991)-^
500:    ^aMode of access: Bitnet and Internet.^
500:     aDescription based on print out of online display; title from title
          screen.^
500:    ^a"An electronic journal concerned with the implications of
          electronic networks and texts."^
650:   0^aElectronic publishing^xPeriodicals.^
710:  20^aState University of New York at Albany.^
899:    ^aSerial^

LOCN:   PER.RM 2ND E     STATUS: Not checked out --
CALL #: Z286.E43 E46

----1------------------------------------------ ---Colorado State Univ.--------
<R>epeat this display, <Q>uit,
<S> to SELECT  <X> for Express,  <H> for Search History,  <O> for Owners    >
```



BEST COPY AVAILABLE

----------Colorado State Univ.-------
TITLE(s): Postmodern culture : PMC [computer file].
Also called: PMC

Raleigh, NC : Postmodern Culture, c1990-

Pub. history: Vol. 1, no. 1 (fall 1990)-
Mode of access: Electronic mail on INTERNET and BITNET.
Description based on surrogate.
"An electronic journal of interdisciplinary criticism."
Available also on microfiche and computer disk.

OTHER ENTRIES: Postmodernism Periodicals.
Postmodern culture
Serial

Summary Holdings:
CALL #: PN 98 .P67P65 LOCN: PER.RM 2ND E
1- 1990-
Electronic access available in Morgan Library, Current
more follows -- press <RETURN> (Q to quit)
Pub. history: Vol. 1, no. 1 (fall 1990)-
Mode of access: Electronic mail on INTERNET and BITNET.
Description based on surrogate.
"An electronic journal of interdisciplinary criticism."
Available also on microfiche and computer disk.

Other ENTRIES: Postmodernism Periodicals.
Postmodern culture
Serial

Summary Holdings:
CALL #: PN 98 .P67P65 LOCN: PER.RM 2ND E
1- 1990-
Electronic access available in Morgan Library. Current
Periodicals Room. Telnet access available on CSUgopher.
via Internet: gopher.colostate.edu login: gopher
via Modem: (303) 491-2121 (8,1,N) login: gopher
Menu path: On campus/Campus services/CSU Libraries/
Electronic journals
----]----------Colorado State Univ.-------
<R>epeat this display, <Q>uit,
<E> to Examine Current Issues, <B> for Bound Volumes,
<S> to SELECT <X> for Express, <H> for Search History, <O> for Owner

BEST COPY AVAILABLE

```
----------------------------------------------------Colorado State Univ.-------
                Ejournal (Albany, N.Y.)
TITLE(s):       Ejournal  [computer file]
Also called:    E journal

                Albany, N.Y. :  University at Albany, State University of
                  New York,  c1991-

Pub. history:   Vol. 1, issue 1 (Mar. 1991)-
                Mode of access: Bitnet and Internet.
                Description based on print out of online display; title
                  from title screen.
                "An electronic journal concerned with the implications of
                  electronic networks and texts."

OTHER ENTRIES:  Electronic publishing  Periodicals.
                State University of New York at Albany.
                Serial


Summary Holdings:
CALL #:   Z 286 .E43E46                        LOCN:  PER.RM 2ND E
          1-     1991-
more follows -- press <RETURN> (Q to quit)
                Mode of access: Bitnet and Internet.
                Description based on print out of online display; title
                  from title screen.
                "An electronic journal concerned with the implications of
                  electronic networks and texts."

OTHER ENTRIES:  Electronic publishing  Periodicals.
                State University of New York at Albany.
                Serial


Summary Holdings:
CALL #:   Z 286 .E43E46                        LOCN:  PER.RM 2ND E
          1-     1991-
          Electronic access available in Morgan Library, Current
          Periodicals Room.  Telnet access available on CSUgopher.
             via Internet: gopher.colostate. edu   login: gopher
             via Modem: (303) 491-2121 (8,1,N)     login: gopher
             Menu path: On campus/Campus services/CSU Libraries/
                        Electronic journals
----;----------------------------------------------Colorado State Univ.-------
<R>epeat this display, <Q>uit,
<E> to Examine Current Issues, <B> for Bound Volumes,
<S> to SELECT  <X> for Express,  <H> for Search History,  <O> for Owners,     >
```

**APPENDIX K: MARC Record for Ejournal**

```
SAVE  5501                                                    Record 1 of 1
 NO HOLDINGS IN MYG - 3 OTHER HOLDINGS
  OCLC:  23849985            Rec stat:     n
  Entered:     19910529      Replaced:     19910821      Used:     19920608
 Type:      a       Bib lvl: s        Source:   d      Lang:      eng
  Repr:              Enc lvl: I        Govt pub:        Ctry:      nyu
  Phys med:          Mod rec:          Conf pub: 0      Cont:      ^^^^
  S/L ent:  0        Ser tp:           Frequn:          Alphabt:
  Desc:      a                         Regulr:   x      ISDS:
                                       Pub st:   c      Dates:     1990-9999
   1  040      VPI c VPI
   2  041 1    engfre
   3  090      P87 b .E43
   4  049      MYG! c [D61832]
   5  245 00   Electronic journal of communication : b EJC = Revue
electronique de communication : REC h [computer file]
   6  246 11   REC
   7  246 10   Electronic journal of communication
   8  246 11   Revue electronique de communication
   9  260      Troy, N.Y. : b Comserve at Rensselaer Polytechnic , c 1990-
  10  310      Irregular

SYNC01-5JPRISM   JBLKJ   J   J                                          J J
Search  Edit  View  Actions  Options              MOD   SID: 03137       CS
End of record displayed.

SAVE  5501                                                    Record 1 of 1
 NO HOLDINGS IN MYG - 3 OTHER HOLDINGS
  11  362 0   Vol. 1, no. 1 (Sept. 1990)-
  12  590     Electronic Library Collection: v.1, no. 1, Sept. 1990-
  13  590     For access information, please select the menu option
"Electronic Library Collection" in TechInfo/MIT Libraries on Athena, the campus
network.
  14  500     Title from Bitnet files: EJCREC Directory and ECJTOC [table of
contents].
  15  500     Mode of access: Electronic mail on BITNet (comserve@rpiecs).
  16  550     Copyright by the Communication Institute for Online Scholarship,
Inc.
  17  650  0  Communication x Periodicals.
  18  650  0  Telecommunication x Periodicals.
  19  650  0  Computer networks x Periodicals.
  20  710 20  Rensselaer Polytechnic Institute.
  21  710 20  Communication Institute for Online Scholarship, Inc.
  22  910     D61832mg921101
  23  949 99  MYG! j v.1, no. 1, Sept. 1990- i For access information,
please select the menu option "Electronic Library Collection" in TechInfo/MIT
Libraries on Athena, the campus network
```

```
  UUU     UUU          MMMMM    MMMMM
  UUU     UUU    OF     MM MM MM MM
  UUU     UUU           MM    MMM    MM
   UUUUUUUU           MMMMM       MMMMM
```

Welcome to the
University of Minnesota
Public Access Information Service

Please Indicate Your Menu Selection Here ===>  and press ENTER

1 - University Libraries/LUMINA
2 - Computer Facilities
3 - Food Service
4 - Research News/Deadlines (ORTTA)
5 - Student Support Services (Twin Cities)
6 - Public Access General Info
7 - Telephone Directories
8 - Personnel Information
9 - University-wide Policies
10 - CUFS Project (Fin Mgmt Sys)
11 - Uncle Eddy
12 - Gopher
13 - Student Access System
14 - Future

XQ - 'Exit Quickly' (return to this menu from any screen)
- or - (to logoff this menu)
AIS Network Available: Sunday Noon - Sunday at 6:00 A.M.
AIS Network Help: Monday-Friday, 7:30 A.M. to 4:30 P.M., 624-0555

Message:  Gtway: PAGW1  Term: V3ASC298

Rice CMS Gopher 2.4.2  gopher.tc.umn.edu
1/12

(root menu)

<menu> Information About Gopher
<menu> Computer Information
<menu> Discussion Groups
<menu> Fun & Games
<menu> Internet file server (ftp) sites
<menu> Libraries
<menu> News
<menu> Other Gopher and Information Servers
<menu> Phone Books
<search> Search Gopher Titles at the University of Minnesota
<search> Search lots of places at the University of Minnesota
<menu> University of Minnesota Campus Information

1= Help  2= Open  3= Return  4= Print  5= Save/Rcv  6= Find
7= Backward  8= Forward  9= Bookmark  10= Booklist  11=  12= Quit

Rice CMS Gopher 2.4.2 gopher.tc.umn.edu
1/8

Libraries

<menu> University of Minnesota Libraries
<menu> Electronic Books
<menu> Electronic Journal collection from CICnet
<menu> Information from the U.S. Federal Government
<menu> Library Catalogs via Telnet
<menu> Library of Congress Records
<menu> Newspapers, Magazines, and Newsletters
<menu> Reference Works

1= Help 2= Open 3= Return 4= Print 5= Save/Rcv 6= Find
7= Backward 8= Forward 9= Bookmark 10= Booklist 11= 12= Quit

Rice CMS Gopher 2.4.2 gopher.cic.net
1/10

Electronic Journal collection from CICnet

<document> Read Me First!
<document> A List of What's Here
<menu> Alphabetic List
<menu> General Subject Headings
<menu> About Electronic Publishing and E-Journals
<menu> About the CICNet Electronic Journal Project
<menu> Hypertext E-Journal Sampler
<menu> Library of Congress
<menu> Other Journal Archives
<document> Thank You! CICNet's Archive Volunteers

1= Help 2= Open 3= Return 4= Print 5= Save/Rcv 6= Find
7= Backward 8= Forward 9= Bookmark 10= Booklist 11= 12= Quit

Rice CMS Gopher 2.4.2 gopher.cic.net
1/26 More

Alphabetic List

<menu> A
<menu> B
<menu> C
<menu> D
<menu> E
<menu> F
<menu> G
<menu> H
<menu> I
<menu> J
<menu> K
<menu> L
<menu> M
<menu> N
<menu> O
<menu> P
<menu> Q
<menu> R
<menu> S

1= Help 2= Open 3= Return 4= Print 5= Save/Rcv 6= Find
7= Backward 8= Forward 9= Bookmark 10= Booklist 11= 12= Quit

Rice CMS Gopher 2.4.2 gopher.cic.net
1/14

J

<menu> Jalinan Jaring
<menu> Jamaican News
<menu> James Dobson's Newsletter
<menu> Japan Economic Newswire
<menu> Japanese Sports News
<menu> Journal of Artificial Intelligence Research
<menu> Journal of Extension
<menu> Journal of Irreproducible Results
<menu> Journal of Statistics Education
<menu> Journal of Technology Education
<menu> Journal of the International Academy of Hospitality Research
<menu> Joust Journal
<menu> Joyride
<menu> Just To Let You Know

1= Help 2= Open 3= Return 4= Print 5= Save/Rcv 6= Find
7= Backward 8= Forward 9= Bookmark 10= Booklist 11= 12= Quit

(example of just "j" letter)

```
Search Request: T=ONLINE JOURNAL                    LUMINA--U of Minnesota
SERIAL - Record 1 of 1 Entry Found                          Long View
--------------------------------------------------------------------------
Title:          The Online journal of current clinical trials <computer file>.

Published:      Washington, DC : a joint venture of American Association for
                  the Advancement of Science and OCLC Online Computer Library
                  Center, Inc., 1992-
                Began with: 1992.

Subjects, Library of Congress (Use s=):
                Clinical trials--Periodicals.

Subjects, Medical (Use sm=):
                Clinical trials--Periodicals.

Contributors:   American Association for the Advancement of Science.
                OCLC
---------------------------------------------- + Page 1 of 2 -------------
STArt over          HOLdings                          <F8>  FORward page
HELp                BRIef view
OTHer options

NEXT COMMAND:
```

```
Search Request: T=ONLINE JOURNAL                    LUMINA--U of Minnesota
SERIAL - Record 1 of 1 Entry Found                          Long View
--------------------------------------------------------------------------
Title:          The Online journal of current clinical trials

Other titles:   Current clinical trials

Notes:          Updated electronically.
                Made of access: CompuServ.
                Title from first screen caption.

ISSN:           1059-2725
--------------------------------------------------------------------------
 LOCATION:              CALL NUMBER:            STATUS:
 BIO-MED Reference      (no call number)        Enter HOL 1 for holdings
   (Desk)
 (Non-Circulating)

---------------------------------------------- + Page 2 of 2 -------------
STArt over          HOLdings                          <F7>  BACk page
HELp                BRIef view
OTHer options

NEXT COMMAND:
```

File: INFORMAT DOCUMENT

Northwestern University

---

Welcome to the Internet.COM Gopher Service

---

This server collects resources offered by many information providers, and is administered for them by The Internet Company.

Currently these providers are:

Counterpoint Publishing, Inc. of Cambridge Massachusetts

which publishes a number of Federal databases on CD-Rom. Counterpoint can be reached via email as 'fedreg@internet.com'

The Electronic Newsstand of Washington, D.C.

which collects feature articles and editorials from a number of national and international magazines.

And the services provided are:

| Service | Provider | Fee-based |
|---|---|---|
| U. S. Federal Register | Counterpoint | yes |
| U. S. Commerce Business Daily | Counterpoint | yes |
| Code of Federal Regulation | Counterpoint | yes |
| The New Republic Magazine | Electronic Newsstand | no |

---

Note: While some services on this machine are provided for a fee to the Internet community, it is always our goal to offer some portion of every service for free. Portions of the Federal Register, the Code of Federal Regulations and the Commerce Business Daily will always be available for no charge, whatsoever.

CMS Gopher 2.3.3 gopher.cic.net
1/24 More

What is CICNet?

CICNet was founded by the Committee on Institutional Cooperation (CIC) in 1988. The CIC is the academic analog to the Big Ten Athletic Conference and has a 35 year history of supporting cooperative academic programs among the Midwest's major research institutions.

CICNet is funded, in part, by the National Science Foundation and is one component of the NSFNET infrastructure. CICNet is connected to the NSFNET backbone at the University of Michigan, Argonne National Laboratory, and the University of Illinois at Champaign-Urbana. CICNet connects academic, research, nonprofit, and commercial organizations in a seven state region (MI,IN,IL,WI,MN,IA, and OH). Approximately 250 organizations are connected directly by CICNet or the region's state networks which are, in turn, connected to CICNet.

In addition to providing connectivity, CICNet is an active participant in a number of ventures which are focused on providing access to information resources and the management of information resources in a wide area network environment. Current partners in information service projects

F1=Help F2=XED F3=Back F4=Prt F6=Find F7=Up F8=Down F9=BKset F10=BKlst F12=Quit

CMS Gopher 2.3.3 gopher.cic.net
18/24

What is CICNet?

network environment. Current partners in information service projects include: the libraries of the CIC member universities, the North Central Regional Education Laboratory, GTE, Inc. and the Great Lakes Council of Governors, West Virginia University, and the Great Lakes Commission.

=-=-=-

CMS Gopher 2.3.3 gopher.cic.net
1/2

Other Journal Archives

<menu> E-Text Archive
<menu> Electronic Newsstand

F1=Help F2=View F3=Back F6=Find F7=Up F8=Down F9=BKset F10=BKlst F12=Quit

CMS Gopher 2.3.3 gopher.cic.net
1/25 More

General Subject Headings

<menu> Art
<menu> Business
<menu> Computing
<menu> Culture
<menu> Disabilities
<menu> Education
<menu> Gay / Lesbian / Bisexual
<menu> History
<menu> Humanities
<menu> Languages
<menu> Legal
<menu> Library
<menu> Literature
<menu> Military
<menu> Misc
<menu> Music
<menu> News
<menu> Philosophy

F1=Help F2=View F3=Back F6=Find F7=Up F8=Down F9=BKset F10=BKlst F12=Quit

CMS Gopher 2.3.3 gopher.cic.net
18/25

General Subject Headings

<menu> Philosophy
<menu> Politics
<menu> Psychology
<menu> Radio
<menu> Religion
<menu> Reviews
<menu> Science
<menu> Sports

F1=Help F2=View F3=Back F6=Find F7=Up F8=Down F9=BKset F10=BKlst F12=Quit

Titles Arranged By Category

<menu> Culture - Music, Popular, Sport, Travel, etc
<menu> Current Affairs - Business, News, Politics
<menu> Entertainment - Gaming
<menu> Health
<menu> Human Sexuality
<menu> Media -- Television
<menu> Opinion - General, Politics
<menu> Scholarship - Culture, Politics, History, Ethics, Medicine
<menu> Science - Ecology, Gardening, General
<menu> Technology - Computers, Networks
<menu> University - General, Research

F1=Help F2=View F3=Back F6=Find F7=Up F8=Down F9=BKset F10=BKlst F12=Quit

File: GENERAL_ DOCUMENT

<menu> Art
<menu> Business
<menu> Computing
<menu> Culture
<menu> Disabilities
<menu> Education
<menu> Gay / Lesbian / Bisexual
<menu> History
<menu> Humanities
<menu> Languages
<menu> Legal
<menu> Library
<menu> Literature
<menu> Military
<menu> Misc
<menu> Music
<menu> News
<menu> Philosophy
<menu> Politics
<menu> Psychology
<menu> Radio
<menu> Religion
<menu> Reviews
<menu> Science
<menu> Sports

Pennsylvania State University

<1661699> Form:computer file serial 2 Input:HZS Edit:DHH
DEOSNEWS [computer file]. [University Park, Pa.], DEOS, The Distance Education Online Symposium,.
Began in April 1991.
Description based on: Vol. 1, no. 13; title from caption.
"Published in collaboration with The American Journal of Distance Education and the American Center for the Study of Distance Education, The Pennsylvania State University, College of Education".
1. Distance education -- Periodicals. 2. Computer conferencing -- Periodicals.
Call#: Electronic Journal
To read this journal, type SEL EJOURNAL and press return, v.2 no.15 1992- To Date.

} instructions for access part of "location" information

- - - - - - - - PSU Libraries & MARC(Search)/All Libraries
>>> dir
...

#21

▪ psulias 02:01

<1661699> Form:computer file serial 2 Input:HZS Edit:DHH
008 ENT: 921110 TYP: c DT1: 1990 DT2: 9999 FRE: e LAN: eng
010 sn 92002591/
022 0 1062-9416
035 (OCoLC)25334182
050 14 LC5800 $b.D36
090 20 Electronic Journal $cEjCPX $s+U2V15X1992-
245 00 DEOSNEWS
246 10 Distance Education Online Symposium news
246 10 DEOS news
260 [University Park, Pa.] $bDEOS, The Distance Education Online Symposium,
315 Weekly
362 1 Began in April 1991
500 Description based on: Vol. 1, no. 13; title from caption.
500 "Published in collaboration with The American Journal of Distance Education and the American Center for the Study of Distance Education, The Penn[illegible]lvania State University, College of Education"
650 0 Distance [illegible] ion $xPeriodicals.
650 0 Computer con[illegible] ıcing $xPeriodicals
710 20 American Center for the Study of Distance Education.
- - - - - - - - PSU Libraries & MARC(Search)/All Libraries
>>> lias 1661699
>>>
More to Display

▪ psulias 02 09

730 00 American journal of distance education
936 1 Vol. 2, no. 22 (c1992) LIC

```
GRSN:00791076  MBIB:00782567
  001 1   779937C
  008 1   930604cuuuu9999nyufrls   OuuuaOeng rO
  022 1   0 $alO62-3138
  040 1     $aCaSSU$beng
  099 1   0 $aLC5201 .N48
  222 1   OO$aNew horizons in adult education
  245 1   OO$aNew horizons in adult education$h[e-journal]
  260 1   Ol$aSyracuse, N.Y. :$bPublished by Syracuse
          University's School of Education, with funding
          from the Kellogg Foundation.
  310 1     $aSemiannual.
  362 1   1 $aBegan with: Vol. 1, no. 1 (fall 1987).
  500 1     $aDescription based on: Vol. 6, no. 2 (fall 1992); title
          from title screen.
  500 2     $aMode of access: Electronic mail on BITNET
          (horizons@SUVm)
  550 1   0 $a"The journal is managed by graduate students
          throughout the United States and Canada and is
          electronically transmitted via the Adult
          Education Network AEDNET), accessible through
          BITNET."
  650 1    O$aAdult education$xPeriodicals.
  710 1   20$aSyracuse University.$bSchool of Education.
  710 2   20$aW. K. Kellogg Foundation.
  710 3   20$aAEDNET.
  901 1   nasOa
  902 1   kkng
  909 1     $a 01
  910 1     $aO67N
  930 1     $1GOPHER$dLC5201 .N48$kl992-$iv.6 no.2 --$g4
  966 1     $1GOPHER$mP
```

New Horizons in Adult Education

```
GRSN:00791076  MBIB:00782567
  001 1   779937C
  008 1   930604cuuuu9999nyufrls   OuuuaOeng rO
  022 1   0 $alO62-3138
  040 1     $aCaSSU$beng
  099 1   0 $aLC5201 .N48
  222 1   OO$aNew horizons in adult education
  245 1   OO$aNew horizons in adult education$h[e-journal]
  260 1   Ol$aSyracuse, N.Y. :$bPublished by Syracuse
          University's School of Education, with funding
          from the Kellogg Foundation.
  310 1     $aSemiannual.
  362 1   1 $aBegan with: Vol. 1, no. 1 (fall 1987).
  500 1     $aDescription based on: Vol. 6, no. 2 (fall 1992); title
          from title screen.
  500 2     $aMode of access: Electronic mail on BITNET
          (horizons@SUVm)
  550 1   0 $a"The journal is managed by graduate students
          throughout the United States and Canada and is
          electronically transmitted via the Adult
          Education Network AEDNET), accessible through
          BITNET."
  650 1    O$aAdult education$xPeriodicals.
  710 1   20$aSyracuse University.$bSchool of Education.
  710 2   20$aW. K. Kellogg Foundation.
  710 3   20$aAEDNET.
  901 1   nasOa
  902 1   kkng
  909 1     $a 01
  910 1     $aO67N
  930 1     $1GOPHER$dLC5201 .N48$kl992-$iv.6 no.2 --$g4
  966 1     $1GOPHER$mP
```

New Horizons in Adult Education

Virginia Polytechnic Institute and State University
VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - CATALOG CARD
YOU CHOSE: ALAWON

CALL NUMBER: Z673 A5 A42
Title: ALA Washington Office newsline : ALAWON / An electronic publication of the American Library Association Washington Office.
Other Title: OTHER TITLE
ALAWON
Other Title: OTHER TITLE
A L A W O N
Imprint: Washington, DC : The Office,
Frequency: Irregular
Published: Vol. 1, no. 1 (July 9, 1992)-
Note: Mode of access: Electronic mail on BITNET (listserv@uicvm).

Note: Title from first screen caption.
Note: This electronic journal is available for viewing on the University's INFO system on VTVM1. Enter INFO LIBRARY E-JOURNL.
Subject: American Library Association. Washington Office. -- Periodicals.
Subject: Libraries -- United States -- Periodicals.
Subject: Information services -- United States -- Periodicals.
Added Entry: American Library Association. Washington Office.

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - - - HOLDINGS
YOU CHOSE: ALAWON

CALL NO: Z673 A5 A42
TITLE: ALA Washington Office newsline : ALAWON / An electronic publication of the American Library Association Washington Office.
LOCATION: Copy 1 ELECTRONIC CONSULTING
FREQ: irregular

Official
v. 1 no. 1-19 9 July-18 Dec. 1992
v. 2 no. 1-9 6 Jan.-16 Mar. 1993
v. 2 no. 9-52 22 Aug.-16 Nov. 1993
This electronic journal is available for viewing on the University's INFO system on VTVM1. Enter INFO LIBRARY E-JOURNL.

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - - - HOLDINGS
YOU CHOSE: ALAWON

Terminals are available for free public access in ELECTRONIC CONSULTING SERVICES and at the SCIENCE REFERENCE DESK.



ERIC

VA TECH LIBRARIES - - - - - - - - - - VTLS - - - - - MARC BIBLIOGRAPHIC RECORD
YOU CHOSE: ALAWON

```
Local lvl: 0       Analyzed: 0 Operator: 00         Edit:
CNTL:   26226155   Rec stat: n Entrd: 920723        Used: 920727
Type: a Bib lvl: s Govt pub:   Lang: eng  Source: d S/L ent: 0
Repr:   Enc lvl: I Conf pub: 0 Ctry: dcu  Ser tp:   Alphabt:
Indx:   Mod rec:   Phys med:   Cont:      Frequn:   Pub st: c
Desc: a Cum ind:   Titl pag:   ISDS:      Regulr: x Dates: 1992-9999
1. 005    19920721083654.0
2. 035    1000-06760
3. 040    VPI \c VPI
4. 049    VPI$ [ECS]
5. 090    Z673.A5 \b A42
6. 212 1  American Library Association Washington Office newsline
7. 245 00 ALA Washington Office newsline : \b ALAWON / \c An
          electronic publication of the American Library Association

          Washington Office.
1. 246 13 ALAWON
2. 246 13 A L A W O N
3. 260    Washington, DC : \b The Office,
4. 310    Irregular
5. 362 1  Vol. 1, no. 1 (July 9, 1992)-
6. 500    Mode of access: Electronic mail on BITNET (listserv@uicvm).
7. 500    Title from first screen caption.
8. 590    This electronic journal is available for viewing on the
          University's INFO system on VTVM1. Enter INFO LIBRARY
          E-JOURNL.
9. 610 20 American Library Association. \b Washington Office. \x
          Periodicals.
10. 650  0 Libraries \z United States \x Periodicals.

1. 650  0 Information services \z United States \x Periodicals.
2. 710 20 American Library Association. \b Washington Office.
3. 949    GMc 7/20/92 ; GMc 7/27/92
```

VA TECH LIBRARIES - - - - - - - - - - VTLS - - - - - - - - MARC HOLDINGS RECORD
YOU CHOSE: ALAWON

```
Local lvl: 4          Operator: 00  Entrd: 920721   Used: 930914
Type: y   Enc lvl: 4  Acq stat: 1   Acq method: f   Lang:
Comp: 2   Gen ret: 8  Spec ret:     Com/cop: 0     MBR:
Lend: b   Repro: b    Cancel:       Copies: 001    UPD:
    004    1000-06760
    035    0154-06830
    090    Z673.A5 \b A42
    245 00 ALA Washington Office newsline : \b ALAWON / \c An
           electronic publication of the American Library Association
           Washington Office.
    246 13 ALAWON
    246 13 A L A W O N
1. 852     \b 0156
2. 853 00 6 2 v. \bno. \uvar \vr \i(year) \j(month) \k(day) \wx \3 vol.1,

           no.2 (July 16, 1992)-

1. 863 40 6 2.2 1 \b1-19 \i1992 \j07-12 \k09-18
2. 863 40 6 2.5 2 \b 1-9 \i 1993 \j 01-03 \k 06-16
3. 863 40 6 2.6 2 \b 9-52 \i 1993 \j083-11 \k 22-16
4. 866  0 6 1 Official \x GMc 7/21/92 \x mwo 9/1/92 (ckin)
5. 866  0 6 95 This electronic journal is available for viewing on the
          University's INFO system on VTVM1. Enter INFO LIBRARY
          E-JOURNL.
6. 866  0 6 97 Terminals are available for free public access in ELECTRONIC
          CONSULTING SERVICES and at the SCIENCE REFERENCE DESK.
7. 994    For posting/marking instructions, see HM.
8. 994    Irregular. Increment expected date by 2 weeks; modify issue
          information to match file. When issues are sent with less th
          an two weeks in between, increment exp. date by 7 days.

1. 994    (EJACQ) Received from Dave Beagle as a file. Save as ALAV#0#
          HELPALA A1 and send file to EJPOST.
2. 994    (EJPOST)Receive file as ALAV#0# HELPALA A1. Add to bottom
          of ALA HELPTASK A1.
3. 995    Do not claim. Prompt MWO to check VM.
```



BEST COPY AVAILABLE

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - - CATALOG CARD
YOU CHOSE: Catalyst. (3/3)

CALL NUMBER: LB2328 C644
Title: Community services catalyst.
Other Title: OTHER TITLE
Catalyst.
Imprint: Blacksburg, Va. [etc.] National Council on Community Services and Continuing Education [etc.]
Description: v. ill. 28 cm.
Frequency: Quarterly winter 1981-
Published: v. 1- winter 1971-
Note: Vol. 21, no. 3 (summer 1991)- also available electronically. Mode of access: Electronic mail on BITNET (listserv@vtvm1) and Internet (listserv@vtvm1.cc.vt.edu).

Note: Vols. for 1971-19 issued by the National Council on Community Services for Community and Junior Colleges; 19 - by the National Council on Community Services and Continuing Education.
Note: Community services catalyst is also available as an electronic journal and can be viewed on the University's INFO system on VTVM1. Enter INFO LIBRARY E-JOURNL.
Subject: Community colleges -- United States -- Periodicals.
Subject: Junior colleges -- United States -- Periodicals.
Added Entry: National Council on Community Services for Community and Junior Colleges.
Added Entry: National Council on Community Services and Continuing Education.

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - - - HOLDINGS
YOU CHOSE: Catalyst. (3/3)

CALL NO: LB2328 C644
TITLE: Community services catalyst.
LOCATION: Copy 1 ELECTRONIC REF AREA
FREQ: quarterly
STATUS: Currently received

Official
v. 21 no. 3-4 summer 1991-fall 1991
v. 22 no. 1-3 winter-summer 1992
This electronic journal is available for viewing on the University's INFO system on VTVM1. Enter INFO LIBRARY E-JOURNL.
Terminals are available for free public access in ELECTRONIC CONSULTING SERVICES and at the SCIENCE REFERENCE DESK.

VA TECH LIBRARIES - - - - - - - - - - VTLS - - - - - MARC BIBLIOGRAPHIC RECORD
YOU CHOSE: Catalyst. (3/3)

```
 Local lvl: 0       Analyzed: 0 Operator: 00          Edit:
 CNTL:    3334057   Rec stat: c Entrd: 830916         Used: 920327
 Type: a Bib lvl: s Govt pub:   Lang: eng  Source: d S/L ent: 0
 Repr:   Enc lvl: I Conf pub: 0 Ctry: vau  Ser tp: p Alphabt: a
 Indx: u Mod rec:   Phys med:   Cont: ^    Frequn: q Pub st: c
 Desc:   Cum ind: u Titl pag: u ISDS:    1 Regulr: x Dates: 1971-9999
 1. 010    sn83-2451
 2. 012    \l 1
 3. 022 0  0739-9227
 4. 035    0000-29660
 5. 040    UCU \c UCU \d NSD \d VPI
 6. 042    nsdp
 7. 049    VPI$
 8. 090    LB2328 \b .C644


 1. 210 0  Community serv. catal.
 2. 222 00 Community services catalyst
 3. 245 00 Community services catalyst.
 4. 246 13 Catalyst.
 5. 260 01 Blacksburg, Va. [etc.] \b National Council on Community
           Services and Continuing Education [etc.]
 6. 265    National Council on Community Services and Continuing
           Education, c/o Dr. Charles Atwell, 261 UCOB, Virginia
           Polytechnic Institute and State University, Blacksburg, VA
           24061
 7. 300    v. \b ill. \c 28 cm.
 8. 310    Quarterly \b winter 1981-
 9. 321    Frequency varies \b 1971-fall 1980
1
 1. 362 0  v. 1- winter 1971-
 2. 500    Vol. 21, no. 3 (summer 1991)- also available electronically.
           Mode of access: Electronic mail on BITNET (listserv@vtvm1)
           and Internet (listserv@vtvm1.cc.vt.edu).
 3. 510 0  Current index to journals in education \x 0011-3565
 4. 550 1  Vols. for 1971-19 issued by the National Council on
           Community Services for Community and Junior Colleges; 19 -
           by the National Council on Community Services and Continuing
           Education.
 5. 590    Community services catalyst is also available as an
           electronic journal and can be viewed on the University's
           INFO system on VTVM1. Enter INFO LIBRARY E-JOURNL.
 6. 650  0 Community colleges \z United States \x Periodicals.
 7. 650  0 Junior colleges \z United States \x Periodicals.


 1. 710 21 National Council on Community Services for Community and
           Junior Colleges.
 2. 710 20 National Council on Community Services and Continuing
           Education.
 3. 949    GMc 3/27/92 (rev.)
```

VA TECH LIBRARIES - - - - - - - - - - VTLS - - - - - - - - - - HOLDINGS COPIES
YOU CHOSE: Catalyst. (3/3)

```
CALL NO:  LB2328 C644
  TITLE:  Community services catalyst.

 1. NEWMAN               Copy    1   -Currently received
 2. ELECTRONIC REF AREA  Copy    1   -Currently received
```

VA TECH LIBRARIES - - - - - - - - - - VTLS - - - - - - - - MARC HOLDINGS RECORD
YOU CHOSE: Catalyst. (3/3)

```
Local lvl: 2          Operator:     Entrd: 860204   Used: 921208
Type: y   Enc lvl: m  Acq stat: 4   Acq method: f   Lang: eng
Comp: 2   Gen ret: 8  Spec ret:     Com/cop: 0      MBR:
Lend: a   Repro: a    Cancel:       Copies: 001     UPD:
    004    0000-29660
    010    sn83-2451
    022    0739-9227
    035    0150-05630
    090    LB2328 \b .C644
    245 00 Community services catalyst.
    246 13 Catalyst.
 1. 852    \b 0155
 2. 853 20 6 8 v. \bno. \u4 \vr \i(year) \j(season) \wq \x24 \tsummer 1991-
 3. 863 40 6 8.1 21 \b3-4 \i1991-1991 \j22-23


 1. 863 41 6 8.3 22 \b1-3 \i1992 \j24-22
 2. 866  0 6 1 Official \x GMc 2/14/92
 3. 866  0 6 95 This electronic journal is available for viewing on the
           University's INFO system on VTVM1. Enter INFO LIBRARY
           E-JOURNL.
 4. 866  0 6 99 Terminals are available for free public access in ELECTRONIC
           CONSULTING SERVICES and at the SCIENCE REFERENCE DESK.
```

U VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - CATALOG CAR
YOU CHOSE: JTE

CALL NUMBER: T61 J687
Title: Journal of technology education.
Other Title: OTHER TITLE
JTE
Imprint: Blacksburg, Va. : Technology Education Program. Virginia Polytechnic Institute and State University, 1989-
Description: v. ; 23 cm.
Published: Vol. 1, no. 1 (fall 1989)-
Note: Cosponsored by International Technology Education Association and Council on Technology Teacher Education.
Note: This journal is also available electronically from the University Libraries' Gopher at Nebula.lib.vt.edu; log in as

lib.
Subject: Vocational education -- Periodicals.
Subject: Industrial arts -- Education -- Periodicals.
Subject: Technology -- Study and teaching -- Periodicals.
Added Entry: Virginia Polytechnic Institute and State University.
Added Entry: Council on Technology Teacher Education (U.S.)
Added Entry: International Technology Education Association.

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - HOLDINGS COPIES
YOU CHOSE: JTE

CALL NO: T61 J687
TITLE: Journal of technology education.

| | | | |
|---|---|---|---|
| 1. NEWMAN | Copy | 1 | -Currently received |
| 2. REFERENCE ROOM | Copy | 1 | -Currently received |
| 3. SPECIAL COLLECTIONS | Copy | 2 | |

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - - - HOLDINGS
YOU CHOSE: JTE

CALL NO: T61 J687
TITLE: Journal of technology education.
LOCATION: Copy 1 REFERENCE ROOM
FREQ: semiannual
STATUS: Currently received

Official
This electronic journal is available from the Libraries' Gopher at Nebula.lib.vt.edu; log in as lib.
v. 1 no. 1 (fall 1989) - v. 5 no. 1 (fall 1993)

VA TECH LIBRARIES - - - - - - - - - - VTLS - - - - - MARC BIBLIOGRAPHIC RECORD
YOU CHOSE: JTE

```
Local lvl: 0       Analyzed: 0 Operator: 00          Edit:
CNTL:   20001913   Rec stat: n Entrd: 900125         Used: 940201
Type: a Bib lvl: s Govt pub: s Lang: eng  Source: d S/L ent: 0
Repr:   Enc lvl: I Conf pub: 0 Ctry: vau  Ser tp: p Alphabt: a
Indx: u Mod rec:   Phys med:   Cont: ^    Frequn: f Pub st: c
Desc: a Cum ind: u Titl pag: u ISDS:    1 Regulr: x Dates: 1989-9999
1. 010    sn89-6813
2. 012    \l 1
3. 022 0  1045-1064
4. 035    0903-28960
5. 040    NSD \c NSD \d VPI
6. 042    nsdp
7. 049    VPI$
8. 090    T61 \b .J687


1. 222 00 Journal of technology education
2. 245 00 Journal of technology education.
3. 246 33 JTE
4. 260 00 Blacksburg, Va. : \b Technology Education Program. Virginia
          Polytechnic Institute and State University, \c 1989-
5. 263    8911
6. 265    Mark Sanders, 144 Smyth Hall, Virginia Tech, Blacksburg, VA
          24061
7. 300    v. ; \c 23 cm.
8. 350    $8.00 (individual) \a $15.00 (library)
9. 362 0  Vol. 1, no. 1 (fall 1989)-
10. 550 0 Cosponsored by International Technology Education
          Association and Council on Technology Teacher Education.
11. 590   This journal is also available electronically from the


          University Libraries' Gopher at Nebula.lib.vt.edu; log in as
          lib.
1. 650  0 Vocational education \x Periodicals.
2. 650  0 Industrial arts \x Education \x Periodicals.
3. 650  0 Technology \x Study and teaching \x Periodicals.
4. 710 20 Virginia Polytechnic Institute and State University.
5. 710 20 Council on Technology Teacher Education (U.S.)
6. 710 20 International Technology Education Association.
7. 949    GMc/jep 1/19/90 ; GMc 2/1/94 (rev.)
```

VA TECH LIBRARIES - - - - - - - - - - VTLS - - - - - - - - MARC HOLDINGS RECORD
YOU CHOSE: JTE

```
Local lvl: 4          Operator: 00  Entrd: 920901   Used: 940201
Type: y   Enc lvl: 3  Acq stat: 4   Acq method: f  Lang: eng
Comp: 2   Gen ret: 8  Spec ret:     Com/cop: 0     MBR:
Lend: b   Repro: a    Cancel:       Copies: 001    UPD:
    004    0903-28960
    010    sn89-6813
    022    1045-1064
    035    0155-28730
    090    T61 \b .J687
    245 00 Journal of technology education.
    246 33 JTE


1. 852    \b 0111
2. 853 20 6 8 v. \bno. \u2 \vr \i(year) \j(season \wf \yps23,21 \3 fall
          1989-spring 1990


1. 866  0 6 1 Official \x GMc 1/28/94 IN PROCESS
2. 866  0 6 2 This electronic journal is available from the Libraries'
          Gopher at Nebula.lib.vt.edu; log in as lib.
3. 866 30 6 8 v. 1 no. 1 (fall 1989) - v. 5 no. 1 (fall 1993)
4. 991    \aDirect          \c7517s     \d2888800530      \f1
5. 992    Mark Sanders
```

U VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - - CATALOG CAR
YOU CHOSE: New horizons in adult education.

CALL NUMBER: LC5201 N49
Title: New horizons in adult education.
Imprint: Syracuse, N.Y. : Syracuse University Kellogg Project,
Frequency: Irregular
Published: Began in 1987.
Note: Description based on: Vol. 4, no. 9/90 (spring/summer 1990); title from title screen.
Note: Mode of access: Electronic mail on BITNet (horizons@suvm).
Note: "The journal is managed by graduate students throughout the United States and Canada and is electronically transmitted via the Adult Education Network (AEDNET), accessible through BITNET."

Note: This electronic journal is available for viewing on the University's INFO system on VTVM1. Enter INFO LIBRARY E-JOURNL.
Subject: Adult education -- Periodicals.
Added Entry: AEDNET.
Added Entry: Syracuse University. Kellogg Project.

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - - - - - - - - HOLDINGS
YOU CHOSE: New horizons in adult education.

CALL NO: LC5201 N49
TITLE: New horizons in adult education.
LOCATION: Copy 1 ELECTRONIC REF AREA
FREQ: semiannual

Official
v. 1 no. 1 fall 1987
v. 2 no. 1-2 spring-fall 1988
v. 3 no. 1 fall 1989
v. 4 no. 1 spring/summer 1990
v. 5 no. 1 spring/summer 1991
v. 5 no. 2 fall 1991
v. 6 no. 1-2 spring-fall 1992
This electronic journal is available for viewing on the

University's INFO system on VTVM1. Enter INFO LIBRARY E-JOURNL.
Terminals are available for free public access in ELECTRONIC CONSULTING SERVICES and at the SCIENCE REFERENCE DESK.

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - MARC BIBLIOGRAPHIC RECORD
YOU CHOSE: New horizons in adult education.

```
Local lvl: 0       Analyzed: 0 Operator: 00         Edit:
CNTL:   23865312   Rec stat: n Entrd: 910601        Used: 920115
Type: a Bib lvl: s Govt pub:   Lang: eng  Source: d S/L ent: 0
Repr:   Enc lvl: I Conf pub: 0 Ctry: nyu  Ser tp:   Alphabt:
Indx: u Mod rec:   Phys med:   Cont: ^    Frequn:   Pub st: c
Desc: a Cum ind: u Titl pag: u ISDS:      Regulr: x Dates: 1987-9999
 1. 035    0957-48860
 2. 040    VPI \c VPI
 3. 049    [Ref] VPI$ [Elec-] [tronic] [Ref]
 4. 090    LC5201 \b .N49
 5. 245 00 New horizons in adult education.
 6. 260 00 Syracuse, N.Y. : \b Syracuse University Kellogg Project,
 7. 310    Irregular
 8. 362 1  Began in 1987.


 1. 500    Description based on: Vol. 4, no. 9/90 (spring/summer 1990);
           title from title screen.
 2. 500    Mode of access: Electronic mail on BITNet (horizons@suvm).
 3. 550 0  "The journal is managed by graduate students throughout the
           United States and Canada and is electronically transmitted
           via the Adult Education Network (AEDNET), accessible through
           BITNET."
 4. 590    This electronic journal is available for viewing on the
           University's INFO system on VTVM1. Enter INFO LIBRARY
           E-JOURNL.
 5. 650  0 Adult education \x Periodicals.
 6. 710 20 AEDNET.
 7. 710 20 Syracuse University. \b Kellogg Project.
 8. 949    GMc/do 5/31/91 ; GMc 1/15/92 (rev.)
```

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - MARC HOLDINGS RECORD
YOU CHOSE: New horizons in adult education.

```
Local lvl: 4           Operator: 00  Entrd: 910814   Used: 940119
Type: y   Enc lvl: 4   Acq stat: 1   Acq method: f   Lang: eng
Comp: 2   Gen ret: 8   Spec ret:     Com/cop: 0     MBR:
Lend: b   Repro: b     Cancel:       Copies: 001    UPD:
    004    0957-48860
    035    0146-02130
    090    LC5201 \b .N49
    245 00 New horizons in adult education.
 1. 852    \b 0155
 2. 853 00 6 8 v. \bno. \uv \vr \i(year) \j(season) \wx \3 v.1 no.1-v.5
           no.1
 3. 853 00 6 9 v. \bno. \u2 \vr \i(year) \j(season) \wf \x21 \yps21,22 \3
           v. 5 no. 2-
 4. 863 41 6 8.18 1 \b1 \i1987 \j23
```

VA TECH LIBRARIES - - - - - - - - - - - VTLS - - - - - - - - - MARC HOLDINGS RECORD
YOU CHOSE: New horizons in adult education.

```
 1. 863 40 6 8.25 2 \b1-2 \i1988 \j21-23
 2. 863 41 6 8.27 3 \b1 \i1989 \j23
 3. 863 41 6 8.28 4 \b1 \i1990 \j21/22


 4. 863 40 6 8.30 5 \b1 \i1991 \j21/22
 5. 863 41 6 9.1 5 \b2 \i1991 \j23
 6. 863 41 6 9.2 6 \b 1-2 \i 1992 \j 21-23
 7. 866  0 6 1 Official \x GMc 8/14/91 \x mwo 6/22/92 (ckin)
 8. 866  0 6 95 This electronic journal is available for viewing on the
           University's INFO system on VTVM1. Enter INFO LIBRARY
           E-JOURNL.
 9. 866  0 6 97 Terminals are available for free public access in ELECTRONIC
           CONSULTING SERVICES and at the SCIENCE REFERENCE DESK.
10. 994    For posting/marking instructions, see HM.
11. 994    EJACQ: Received from AEDNET@SUVM with filename HORIZONS


           VOL#NO#; all articles in one file. Receive (F10), then
           rename as NHAE0#0# (ie. NHAE0601 - nhae0<vol#>0<issue#>
           HELPNHAE A1.  After renaming, send the file to EJPOST.
 1. 994    EJPOST: Receive file (F10). Xedit NHAE HELPTASK and add new
           line information.
 2. 994    Do not claim; prompt MWO to check publication schedule.
```

Virginia Tech Library Gopher 38.1a
"new" access to electronic journals
1993 —

Rice CMS Gopher 2.4.0 nebula.lib.vt.edu
1/12

Electronic Journals

<menu> ALA Washington Office Newsline
<menu> Community Services Catalyst
<menu> ICPSR Bulletin
<menu> Journal of International Academy of Hospitality Research
<menu> Journal of Technology Education
<menu> New Horizons in Adult Education
<menu> Newsletter on Serials Pricing Issues
<menu> Postmodern Culture
<menu> Psycoloquy
<menu> Public-Access Computer Systems Review
<search> Search Current Cites
<menu> Virginia Tech Spectrum

1= Help 2= 3= Return 4= Print 5= Receive 6= Find
7= Backward 8= Forward 9= Bookmark 10= Booklist 11= 12= Quit

Virginia Tech VMI 38.1b
"old" access to electronic journals
(1991 — being phased out in 1994)

TASK E-JOURNL Task Help Information line 1 of 17

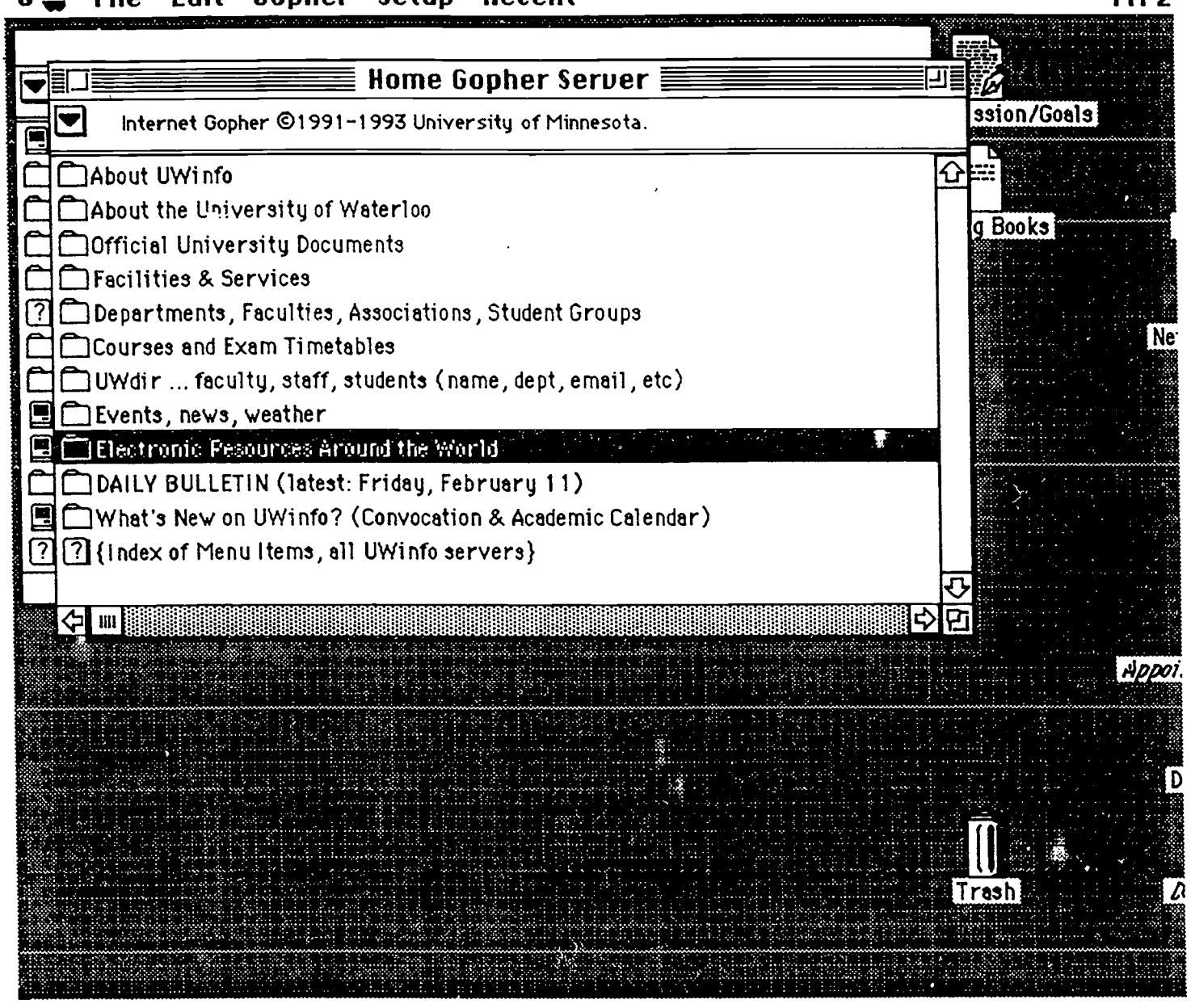
ELECTRONIC JOURNALS

Move the cursor to the line listing the journal you wish to access and press ENTER.

ALAWON - ALA Washington Office Newsline
Community Services Catalyst
Electronic Journal of Communication
Journal of the International Academy of Hospitality Research
ICPSR Bulletin
New Horizons in Adult Education
Newsletter on Serials Pricing Issues
Postmodern Culture
Psycoloquy
Public-Access Computer Systems Review
* * * End of File * * *
PF1= Help 2= Top 3= Quit 4= Return 5= Clocate 6= ?
PF7= Backward 8= Forward 9= PFkeys 10= 11= 12= Cursor

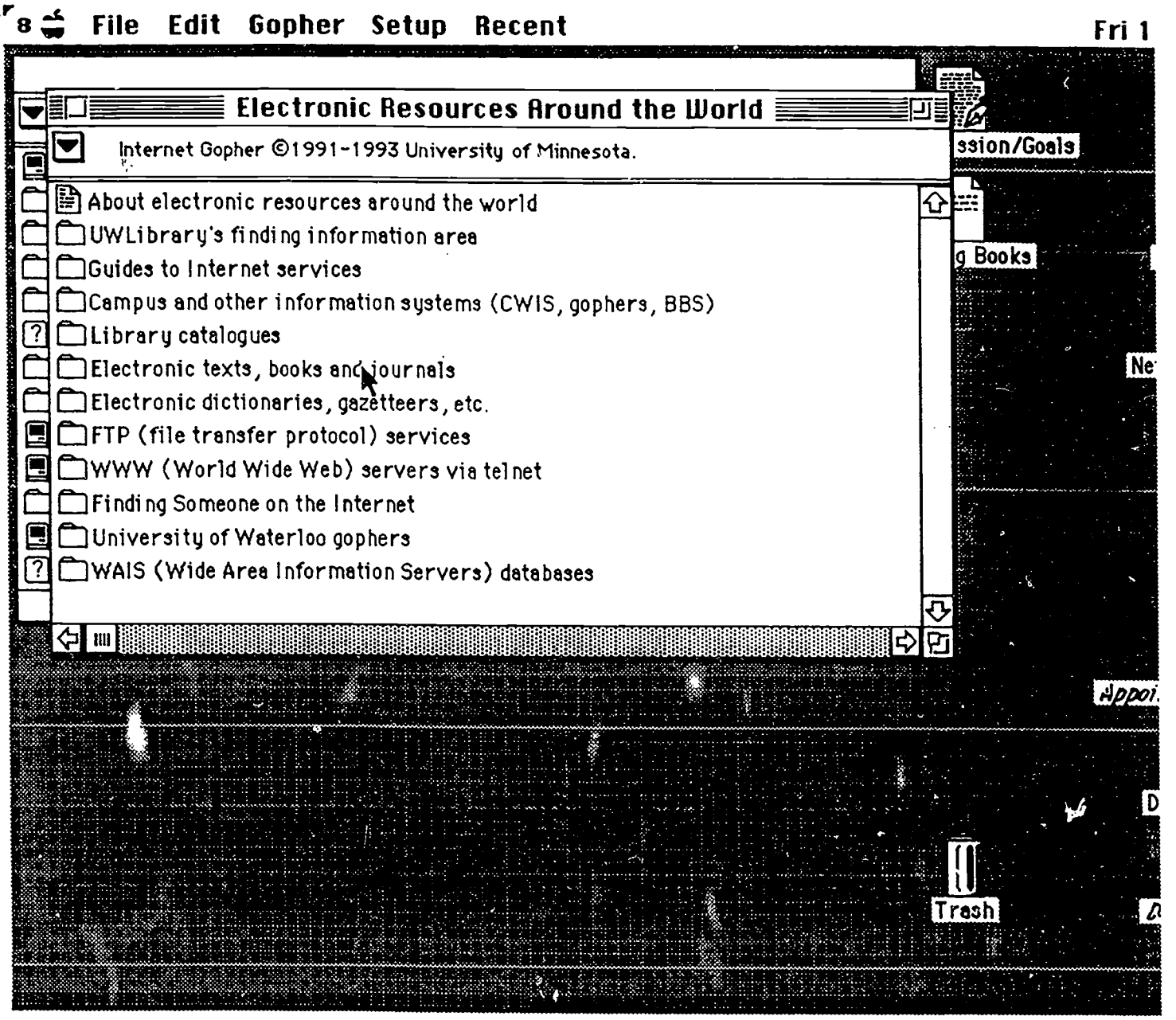
====>

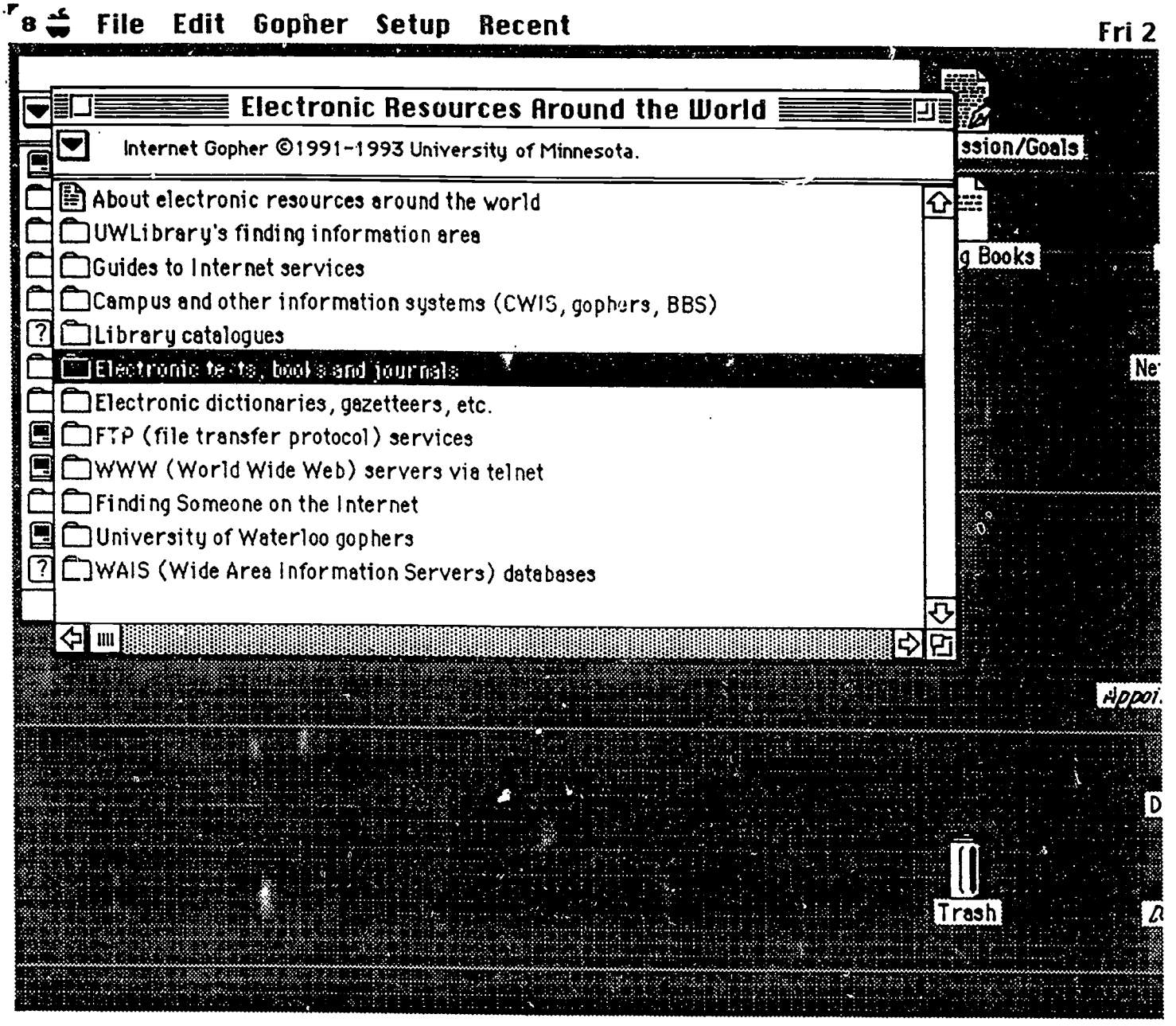
Macro-read 2 Files





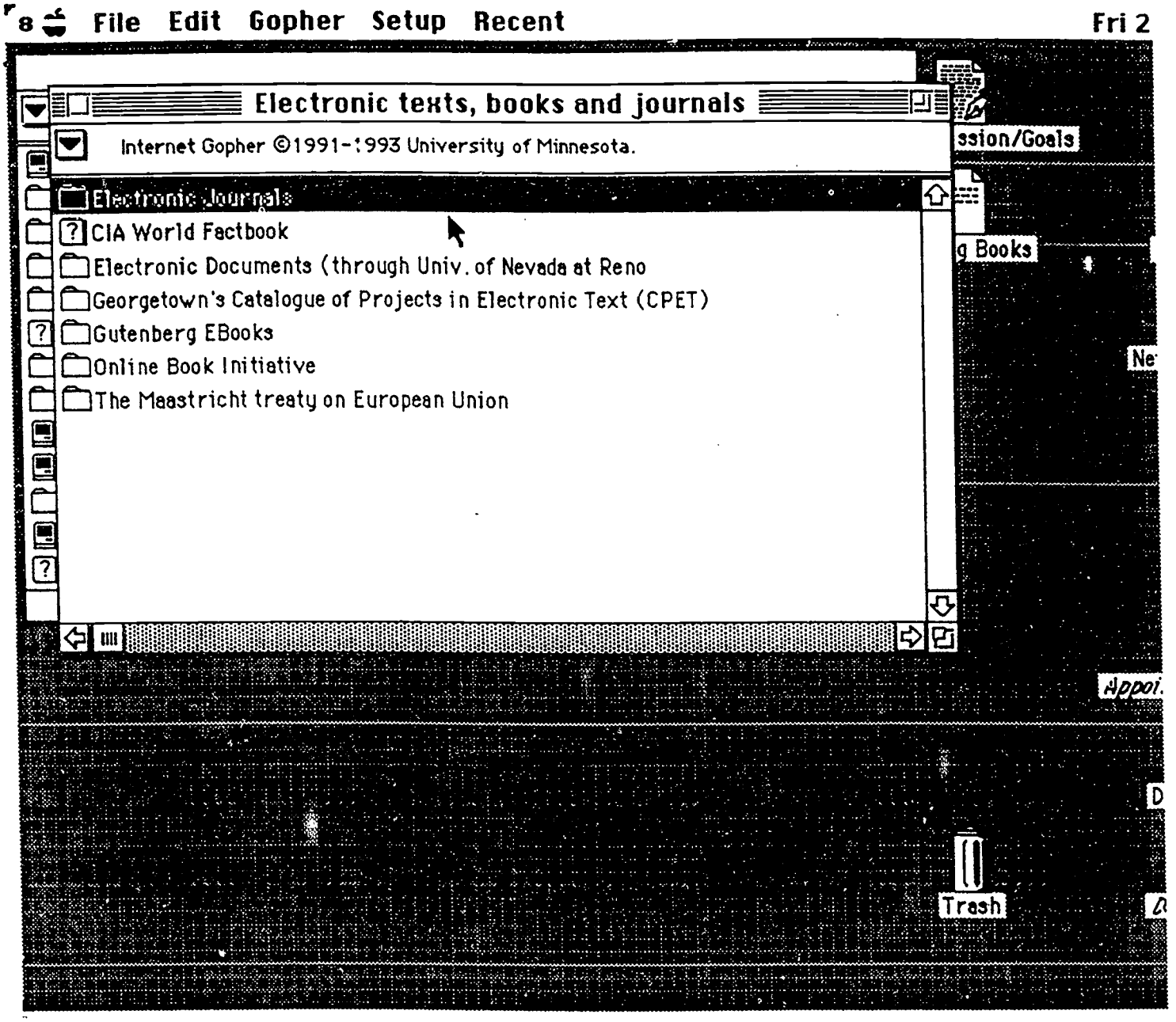

BEST COPY AVAILABLE


File Edit Gopher Setup Recent
Fri 1
Electronic Resources Around the World
Internet Gopher ©1991-1993 University of Minnesota.
About electronic resources around the world
UWLibrary's finding information area
Guides to Internet services
Campus and other information systems (CWIS, gophers, BBS)
Library catalogues
Electronic texts, books and journals
Electronic dictionaries, gazetteers, etc.
FTP (file transfer protocol) services
WWW (World Wide Web) servers via telnet
Finding Someone on the Internet
University of Waterloo gophers
WAIS (Wide Area Information Servers) databases
ssion/Goals
g Books
Trash



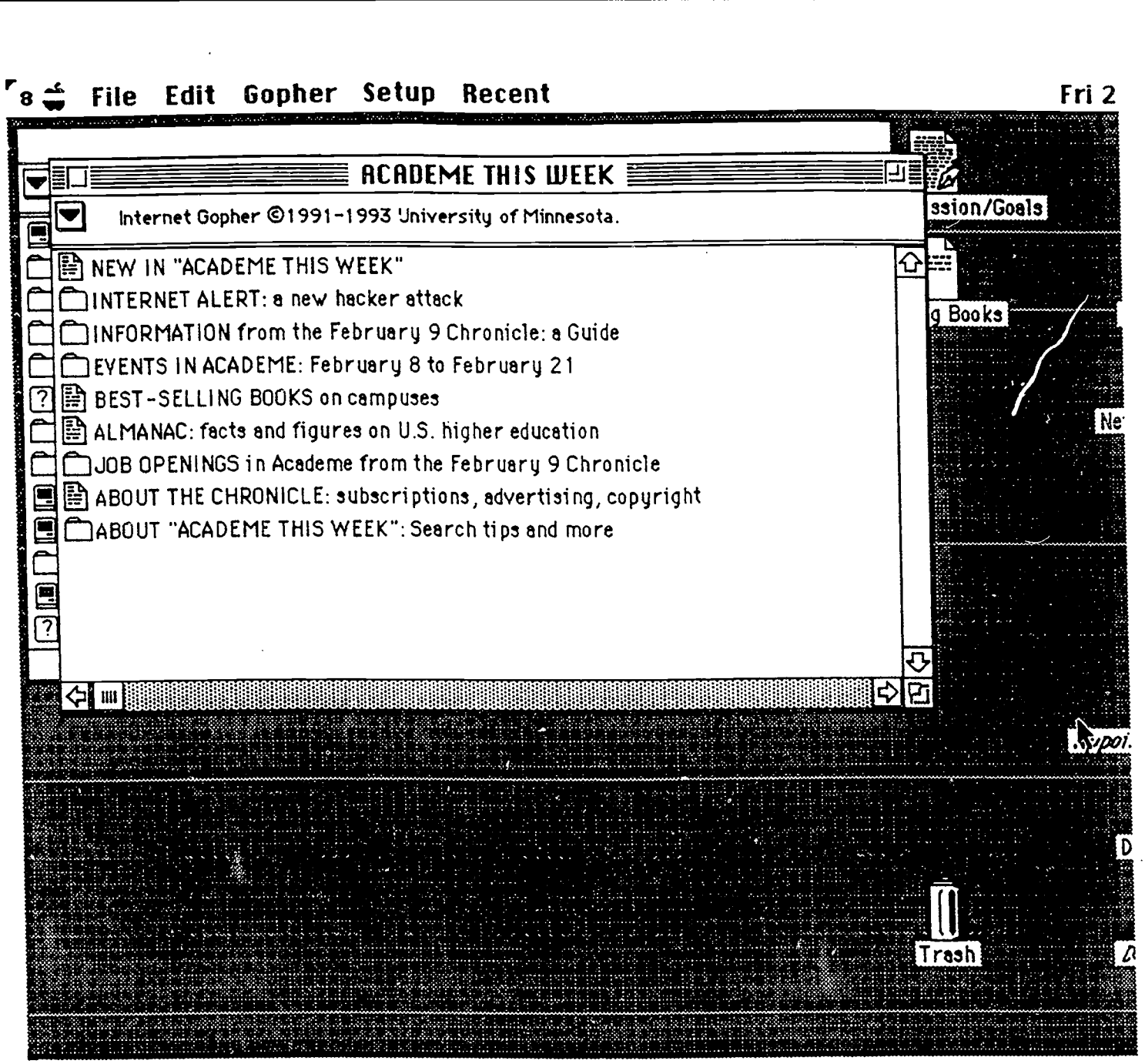



BEST COPY AVAILABLE



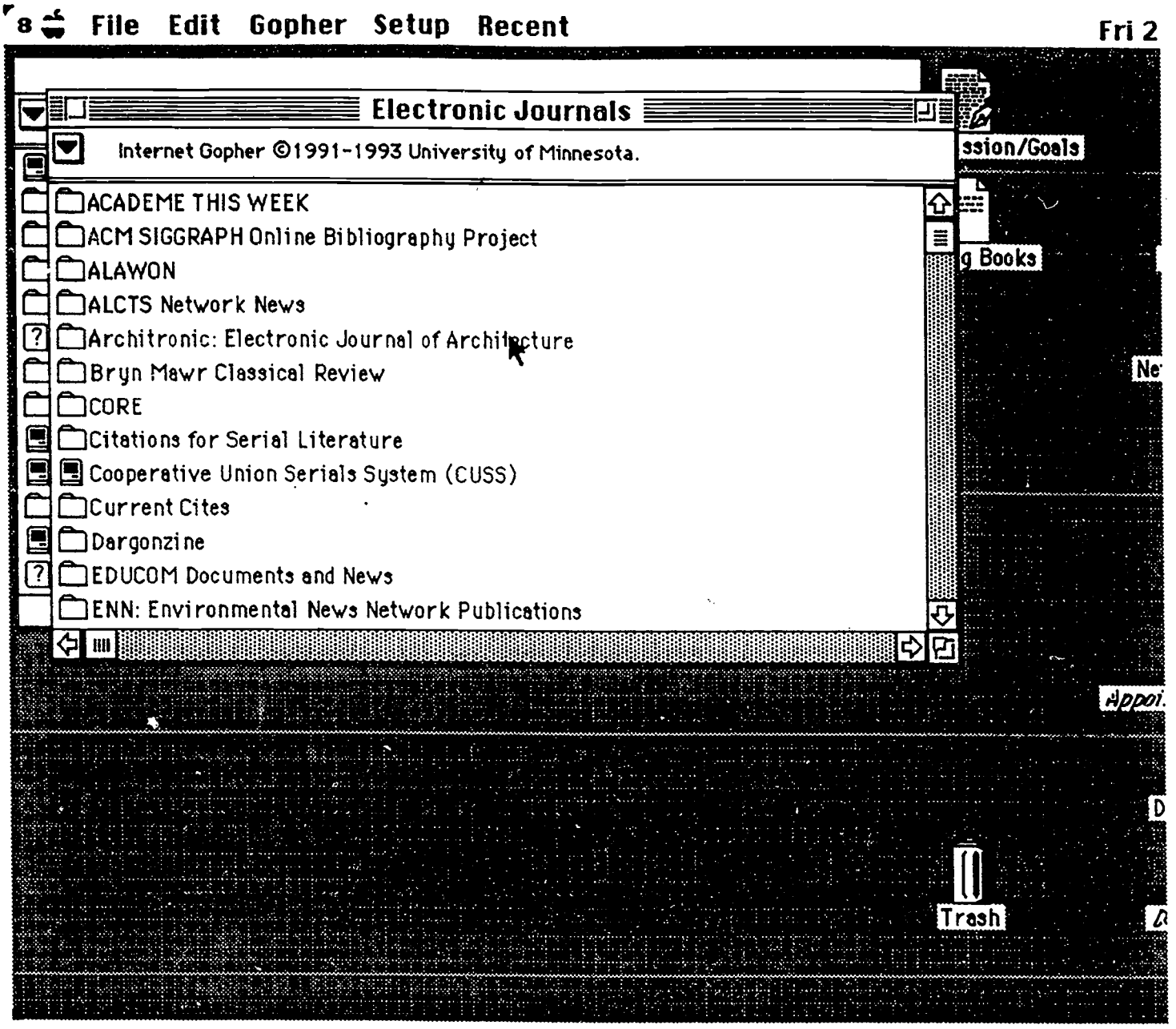



BEST COPY AVAILABLE






BEST COPY AVAILABLE






BEST COPY AVAILABLE

112

SYSTEMS AND PROCEDURES EXCHANGE CENTER

# SELECTED READINGS

## Selected Readings


Abbott, Anthony. "Modeling the Electronic Relationship." *Computers in Libraries* 12 (Dec. 1992): 14-15.

Alexander, Adrian W. and Julie S. Alexander. "Intellectual Property Rights and the 'Sacred Engine': Scholarly Publishing in the Electronic Age." *Advances in Library Resource Sharing* 1 (1990): 176-192.

Amiran, Eyal, Elaine Orr, and John Unsworth. "Refereed Electronic Journals and the Future of Scholarly Publishing." *Advances in Library Automation and Networking* 4 (1991): 25-53.

Amiran, Eyal and John Unsworth. "Postmodern Culture: Publishing in the Electronic Medium." *The Public-Access Computer Systems Review* 2, no. 1 (1991): 67-76. (To retrieve this article, send an e-mail message that says "GET AMIRAN PRV2N1 F=MAIL" to LISTSERV@UHUPVM1 or LISTSERV@UHUPVM1.UH.EDU)

Arms, William Y. "Scholarly Publishing on National Networks." *Scholarly Publishing* 23 (April 1992): 158-169.

Astle, Deana L. "The Scholarly Journal: Whence or Wither." *The Journal of Academic Librarianship* 15 (July 1989): 151-156.

Auld, Lawrence W. S. "Reader Interaction with the Online Journal." *Serials Review* 12 (Summer-Fall 1986): 83-85.

Bailey, Charles W., Jr. "Electronic (Online) Publishing in Action . . . The Public-Access Computer Systems Review and Other Electronic Serials." *Online* 15 (Jan. 1991): 28-35.

_____. "Electronic Serials on BITNET." *Library Software Review* 10 (May/June 1991): 186.

_____. "Network-Based Electronic Serials." *Information Technology and Libraries* 11, no. 1 (Mar. 1992): 29-35.

Barschall, H. H. "Electronic Version of Printed Journals." *Serials Review* 18, no. 1-2 (1992): 49-51.

Brahmi, Frances A. and Keilie N. Kaneshiro. "The Online Journal of Current Clinical Trials (OJCCT): A Closer Look." *Medical Reference Services Quarterly* 12 (Fall 1993): 29-43.

Brandt, D. Scott. "Accessing Electronic Journals." *Academic and Library Computing* 9, no. 10 (Nov.-Dec. 1992): 17-20.

Butler, Brett B. "Electronic Editions of Serials: The Virtual Library Model." *Serials Review* 18, no. 1-2 (1992): 102-106.

_____. "Scholarly Journals, Electronic Publishing, and Library Networks: From 1986 to 2000." *Serials Review* 12 (Summer-Fall 1986): 47-52.

Calabrese, Andrew M. "The Electronic Journal: A Review of Trends and Their Implications for Scholarly Communication." ERIC, 1986. ED 278 076.

Campbell, Neil A. "On Paperless-ness." *Canadian Library Journal* 41 (Aug. 1984): 181-186.

Case, Donald. "The Personal Computer: Missing Link to the Electronic Journal?" *Journal of the American Society for Information Science* 36, no. 5 (1985): 309-313.

Collier, Harry R. "Learned Information's Electronic Magazine: A Case Study." *Serials Review* 12 (Summer-Fall 1986): 69-82.

Craighead, Laura M., and William C. Dougherty. "The Systems Approach to Electronic Journals." *Serials Review* 17, no. 4 (1991): 78-80.

Dow, Ronald F. and others. "Commentaries on Serials Publishing." *College and Research Libraries* 52, no. 6 (Nov. 1991): 521-527.

Drummond, Louis. "Going Beyond Online (New Challenges: Internet, Computer Conferencing, and Electronic Journals)." *Online* 14 (Sept. 1990): 6-8.

Eisenberg, Daniel B. "The Electronic Journal." *Scholarly Publishing* 20 (Oct. 1988): 49-58.

Gardner, William. "The Electronic Archive: Scientific Publishing for the 1990s." *Psychological Science* 1 (Nov. 1990): 333-341.

Gorman, Michael. "The Academic Library in the Year 2001: Dream or Nightmare or Something in Between?" *Journal of Academic Librarianship* 17, no. 1 (Mar. 1991): 4-9.

Harnad, Stevan. "Post-Gutenburg Galaxy: The Fourth Revolution in the Means of Production of Knowledge." *The Public-Access Computer Systems Review* 2, no. 1 (1991): 39-53. (To retrieve this article, send an e-mail message that says "GET HARNAD PRV2N1 F=MAIL" to LISTSERV@UHUPVM1 or LISTSERV@UHUPVM1.UH.EDU.)

_____. "Scholarly Skywriting and the Prepublication Continuum of Scientific Inquiry." *Psychological Science* 1 (Nov. 1990): 342-344.

_____. "Sidebar: PSYCHOLOQUY; a Model Forum for 'Scholarly Skywriting.'" *Serials Review* 18, no. 1-2 (1992): 60.

Harrison, Teresa M., Timothy Stephen, and James Winter. "Online Journals: Disciplinary Designs for Electronic Scholarship." *The Public-Access Computer Systems Review* 2, no. 1 (1991): 25-38. (To retrieve this article, send an e-mail message that says "GET HARRISON PRV2N1 F=MAIL" to LISTSERV@UHUPVM1 or LISTSERV@UHUPVM1.UH.EDU)

Hugo, Jane, and Linda Newell. "New Horizons in Adult Education: The First Five Years (1987-1991)." *The Public-Access Computer Systems Review* 2, no. 1 (1991): 77-90. (To retrieve this article, send an e-mail message that says "GET HUGO PRV2N1 F=MAIL" to LISTSERV@UHUPVM1 or LISTSERV@UHUPVM1.UH.EDU)

Hulbert, Linda A. "The Impact of Electronic Journals on Traditional Library Services." *The Serials Librarian* 21, no. 2-3 (1991): 185-187.

Jennings, Edward M. "EJournal: An Account of the First Two Years." *The Public-Access Computer Systems Review* 2, no. 1 (1991): 91-110. (To retrieve this article, send an e-mail message that says "GET JENNINGS PRV2N1 F=MAIL" to LISTSERV@UHUPVM1 or LISTSERVE@UHUPVM1.UH.EDU)

Johnson, Margaret Ann. "Electronic Scholarly Communication." *Technicalities* 10 (June 1990): 4-7.

Jul, Erik. "Electronic Journals in a Print-on-Paper World." *Computers in Libraries* 12 (Feb. 1992): 37-38.

_____. "Just What Do You Mean by 'Electronic Journal'?" *Computers in Libraries* 12 (Jan. 1992): 43.

_____. "Of Barriers and Breakthroughs." *Computers in Libraries* 12 (Mar. 1992): 20-21.

Keyhani, Andrea. "The Online Journal of Current Clinical Trials: An Innovation in Electronic Journal Publishing." *Database* 16, no. 1 (Feb. 1993): 14-15, 17-20, 22- 23.

King, Tim. "Critical Issues for Providers of Network-Accessible Information." *EDUCOM Review* 26 (Summer 1991): 29-33.

Koch, H. William. "Impact of Electronic Publishing on Scholarly Journals." ERIC, 1983. ED 235 789.

Kownacki, Bill. "Electronic Information: The View from Reference." *Serials Review* 17, no. 4 (1991): 80-81.

Litchfield, Charles. "Local Storage and Retrieval of Electronic Journals: Training Issues for Technical Services Personnel." *Serials Review* 17, no. 4 (1991): 83-84.

McMillan, Gail. "Electronic Journals: Considerations for the Present and the Future." *Serials Review* 17, no. 4 (1991): 77-86.

_____. "Embracing the Electronic Journal: One Library's Plan." *The Serials Librarian* 21, no. 2/3 (1991): 97-108.

_____. "Technical Processing of Electronic Journals." *Library Resources & Technical Services* 36 (Oct. 1992): 470-477.

_____. "Technical Services for Electronic Journals Today." *Serials Review* 17, no. 4 (1991): 84-86.

Manoff, Marlene, Eileen Dorschner, and Marilyn Geller. "Report of the Electronic Journals Task Force, MIT Libraries." *Serials Review* 18, no. 1-2 (1992): 113-129.

Manoff, Marlene, D. Scott Brandt, and Carter Snowden. "The MIT Libraries Electronic Journals Project: Reports on Patron Access and Technical Processing." *Serials Review* 19, no. 3 (1993): 15-40.

Metz, Paul. "Electronic Journals from a Collection Manager's Point of View." *Serials Review* 17, no. 4 (1991): 82-83.

Metz, Paul and Paul M. Gherman. "Serials Pricing and the Role of the Electronic Journal." *College & Research Libraries* 52 (July 1991): 315-327.

Morash, Bruce. "Electronic Social Psychology." *Serials Review* 12 (Summer-Fall 1986): 113-117.

Neavill, Gordon B. "Electronic Publishing, Libraries, and the Survival of Information." *Library Resources & Technical Services* 28 (Jan./Mar. 1984): 76-89.

Nisonger, Thomas E. "Electronic Journals: Post-modern Dream or Nightmare; Report of the ALCTS CMDS Collection Development Librarians of Academic Libraries Discussion Group." *Library Acquisitions* 17 (Fall 1993): 378-380.

Okerson, Ann. "Back to Academia? The Case for American Universities to Publish Their Own Research." *Logos* 2, no. 2 (1991): 106-112.

_____. "The Electronic Journal: What, Whence, and When?" *The Public-Access Computer Systems Review* 2, no. 1 (1991): 5-24. (To retrieve this article, send an e-mail message that says "GET OKERSON PRV2N1 F=MAIL" to LISTSERV2UHUPVM1 or LISTSERV@UHUPVM1.UH.EDU)

_____. "Electronic Journals: Current Issues." *Quarterly Bulletin of the International Association of Agricultural Information* Specialists 37, no. 1-2 (1992): 46-54.

_____. "Publishing Through the Network: The 1990s Debutante." *Scholarly Publishing* 23 (April 1992): 170-177.

_____. "With Feathers: Effects of Copyright and Ownership on Scholarly Publishing." *College & Research Libraries* 52 (Sept. 1991): 425-438.

Piternick, Anne B. "Electronic Serials: Realistic or Unrealistic Solution to the Journal 'Crisis'?" *The Serials Librarian* 21, no. 2/3 (1991): 15-31.

_____. "Serials and New Technology: The State of the 'Electronic Journal.'" *Canadian Library Journal* 46 (Apr. 1989): 93-97.

Potter, William Gray. "The Growing Demand for Electronic Publishing." *Library Acquisitions* 15, no. 3 (1991): 371-377.

Racine, Drew. "Access to Full-Text Journal Articles: Some Practical Considerations." *Library Administration & Management* (Spring 1992): 100-104.

Rice, Patricia Ohl. "From Acquisitions to Access." *Library Acquisitions* 14, no. 1 (1990): 15-21.

Robison, David F. W. "The Changing States of Current Cites: The Evolution of An Electronic Journal." *Computers in Libraries* 13 (June 1993): 21-23+.

Rogers, Sharon J., and Charlene S. Hurt. "How Scholarly Communication Should Work in the 21st Century." *College & Research Libraries* 51 (Jan. 1990): 5-8.

Sabosik, Patricia E. "Electronic Subscriptions." *The Serials Librarian* 19, no. 3-4 (1991): 59-70.

Savage, Lon. "The Journal of the International Academy of Hospitality Research." *The Public-Access Computer Systems Review* 2, no. 1 (1991): 54-66. (To retrieve this article, send an e-mail message that says "GET SAVAGE PRV2N1 F=MAIL" to LISTSERV@UHUPVM1 or LISTSERV@UHUPVM1.UH.EDU)

Schiller, Nancy. *The Emerging Virtual Research Library*. SPEC Kit 186. Washington, D.C.: Association of Research Libraries, Office of Management Services, July-August 1992.

Singh, Jaqtar, and Jack Meadows. "Electronic Serials for Library and Information Specialists." *Aslib Proceedings* 45 (Sept. 1993): 234-41.

Smith, Eldred R. "Resolving the Acquisitions Dilemma: Into the Electronic Information Environment." *College & Research Libraries* 52 (May 1991): 231-240.

Stoller, Michael E. "Electronic Journals in the Humanities: A Survey and Critique." *Library Trends* 40 (Spring 1992): 647-666.

Summit, Roger K., and Ann Lee. "Will Full-Text Online Files Become 'Electronic Periodicals'?" *Serials Review* 14, no. 3 (1988): 7-10.

"Task Force Report Looks at Future of Information Services." *Bulletin of the American Physics Society* 36 (April 1991): 1105-1151.

Turoff, Murray and Starr Roxanne Hiltz. "The Electronic Journal: A Progress Report." *Journal of the American Society for Information Science* (1982): 195-202.

Tuttle, Marcia. "The Newsletter on Serials Pricing Issues." *The Public-Access Computer Systems Review* 2, no. 1 (1991): 111-127. (To retrieve this article, send an e-mail message that says "GET TUTTLE PRV2N1 F=MAIL" to LISTSERV@UHUPVM1 or LISTSERV@UHUPMV1.UH.EDU)

Upham, Lois N. "The Future of Serials Librarianship Revisited." *Serials Review* 17, no. 2 (1991): 71-75.

Wilson, David L. "Testing Time for Electronic Journals." *The Chronicle of Higher Education* 38, no. 3 (Sept. 11, 1991): A22-24.

Wright, P. and A. Lickorish. "Investigating Referees' Requirements in an Electronic Medium." *Visible Language* 18, no. 2 (1984): 186-205.

Yamamoto, Rumi. "Another Interface: Electronic Publishing and Technical Services." *Canadian Library Journal* 43, no. 4 (Aug. 1986): 235-39, 241-44.

Yavarkovsky, Jerome. "A University-Based Electronic Publishing Network." *EDUCOM Review* 25 (Fall 1990): 14-20.