

NOTISes

For users of
NOTIS
library
information
systems

SLV

COPYRIGHT © 1993 NOTIS SYSTEMS, INC.

NUGM '93—The Best One Yet!



Congratulations to all of our customers for making NUGM a successful meeting. We want to acknowledge and thank the NUGM planning committee members, SIG chairs, and all of the presenters and moderators for doing a great job.

As always, NUGM was kicked off with the General Session on Thursday. Philip Tramdack of Trenton State College opened the session. Charles Lowry of Carnegie Mellon spoke about their experiences as an alpha site for NOTIS Horizon; Jane Burke spoke

about our progress on NOTIS Horizon; Maribeth Ward updated us on the progress being made with LMS 5.2; and finally, John Kolman explained how all of the NOTIS products work together.

The responses from the overall meeting evaluation forms were very favorable. All of the individual session evaluation forms have been tallied, so the NUGM planning committee can refer to them when they work on NUGM '94.

OCT/NOV 1993 • Number 95

IN THIS ISSUE

NOTIS News2
Changing NOTISes; New Product Customers

NOTIS Horizon: Designed to Eliminate the Need for Source Code Changes3

Supported Releases3

NUGM '93 Events4-5

NOTIS Library Users Council6

The University of Delaware Awarded for Sheer Guts7

The Tales of LaSER7

LaSER Cartoon8-9

New Linking Functionality in Release 5.210-13

Answering Questions about QuikReports13-15

Management Changes15

NOTIS Consultant Publishes a Book about VSE16

Introducing a New Member to Customer Services16

NOTIS SIGs17-19

BULLETIN

NUGM events and photos are on pages 4 and 5.

NOTIS NEWS

Changing NOTISes

We are pleased to announce that NOTISes, beginning in 1994, will be changed in several ways. NOTISes will be a quarterly publication free of charge to customers. Each issue will have a specific topical focus and regular columns.

We made these changes based upon what customers told us they wanted in both a written and a phone survey. By changing the frequency of NOTISes, we hope to provide you with more in-depth information about how customers are using our products, how new products work, columns about trends in the industry, NOTIS' direction, and customer-written articles.

Our last issue of NOTISes in 1993 is this October/November issue. We decided to distribute the October issue after NUGM so we could include information and photos from NUGM.

New Product Customers

KeyNOTIS
UW-Oshkosh
UW-Stevens Point
UW-Parkside
UW-Superior

InfoShare
Auburn
Princeton
Queen's University

DocDirect
Michigan Tech.
Auburn

PACLoan/PACLink
Michigan Tech. (ISL)
Queens
UW-Oshkosh
UW-Stevens Point
Virginia Commonwealth

MDAS
SW Missouri State
UW-Oshkosh
UW-Parkside
UW-Stevens Point
UW-Superior

TermPAC
Carnegie Mellon

Trenton State College
Univ. of Delaware
UW-Parkside
UW-Superior

NOTISes

NOTISes[®] is published monthly by the Marketing department, NOTIS Systems, Incorporated. The purpose of NOTISes is to provide timely, helpful, and accurate information about NOTIS products and services to the NOTIS user community.

CONTRIBUTIONS: We welcome articles and suggestions from the user community. Please call for formatting suggestions before submitting items for publication.

EDITOR
Robyn McMurray

PRODUCTION
LaNita McMeekan

Copyright © 1993 NOTIS Systems, Inc.
All rights reserved.

NOTIS[®] and the NOTIS design are registered trademarks of NOTIS Systems, Inc.



Problem after hours? No problem!

You can call a systems engineer to help you resolve your technical problems Monday through Friday from 7:00 a.m. to 7:00 p.m. (CST). From 7:00-8:30 a.m. and from 5:00-7:00 p.m., the system engineer on duty will handle incoming calls in correlation with the voice mail system. Simply call Customer Services at (708) 866-1100 or fax us at (708) 866-4908.

NOTIS Horizon: Designed to Eliminate the Need for Source Code Changes

At the 1993 ALA Conference in New Orleans, NOTIS introduced our new client/server library management system, NOTIS Horizon. Although the response has been overwhelmingly favorable, some customers would prefer to have access to the software's source code to make local customizations to the system.

One of the primary design considerations for NOTIS Horizon is to permit major local modifications without making source code changes.

Because NOTIS Horizon is UNIX-based, Z39.50 compatible, and uses client/server architecture, it provides features and flexibility that were impossible with the IBM mainframe products. NOTIS Horizon allows you to select the most cost-effective hardware and data storage options.

It also allows you to customize formats and text for printed products, expand the library's access to new information sources, incorporate the latest technologies as they become available, integrate the system with the most popular commercial software products, and migrate to patron workstations at a pace your library's budget can support. All of these operations can be performed without working directly with the source code.

One of the keys to NOTIS Horizon's tremendous flexibility is the ease with which customers will be able to modify printed forms, notices, and other types of printed products, without making changes to the source code. Because the software has been designed to simplify local customization, it will have online files with interfaces for application programming, standard file formats, and documented user exits permitting local alterations without changing the source code.

For example, if you choose not to use one of the standard printed products that are provided with NOTIS Horizon, you can take advantage of the documented file formats that are available for all modules to export the print files to a commercial product (such as Microsoft Word or Excel), manipulate the format to suit your needs, and use the new format to print your forms. Or, you can export the NOTIS forms program to an output

file, reformat it, and load the reformatted files back into NOTIS Horizon.

You also have the flexibility to create your own specialized reports using the new Report Writer feature, which allows ad hoc reporting on all fields. Using the Z39.50 protocol, you could even write your own client and easily interface it with the NOTIS Horizon system.

In short, you will have the freedom to make the system do everything you want it to do, without the inherent risks associated with making local program modifications. ☐

Supported Releases

As part of its basic support policy, NOTIS customarily supports a prior release level of its software for up to one year after general release of the current version. Since LMS 5.1, and allied products MDAS 1.3.1 and GTO 3.1 were released in November 1992, support for LMS 5.0.x, MDAS 1.2x, and GTO 3.0.x would normally lapse in November 1993.

To allow customers who have planned upgrades between fall and winter semesters or quarters to have access to support, and to allow sufficient time for this notice to circulate, NOTIS will be supporting LMS 5.0.x and allied MDAS and GTO products through January 15, 1994.

The NOTIS product line associated with LMS 5.1 and LMS 5.1.1 has many features requested by the NOTIS user community, and we expect that those customers who have yet to upgrade will be pleased by the results.

We would especially recommend that customers upgrade to the current release, LMS 5.1.1, since it contains solutions to problems or concerns noted by those customers who installed the LMS 5.1 release shortly after it was distributed. ☐

NUGM '93 Events



David Bennett accepts the Certificate of Achievement award for Robert Morris College.

Customers Are Awarded at NUGM

One NUGM tradition is Jane Burke presenting handmade awards to customers. This year's well-deserved recipients are:

Boston College—for sharing LSER patterns and being a pioneer and resource for many later implementations.

Burroughs Wellcome Co.—gave us valuable feedback on testing QuikReports.

Central Michigan University—for their input and support in testing InfoShare and going out onto the Internet to help the support process.

Cornell College—first KeyNOTIS PACLink site.
Cornell University—for helping us test and troubleshoot InfoShare.

Idaho State University—for sharing their InfoShare expertise by helping other ProPAC users connect to InfoShare.

Indiana State University—for working with PACLoan.

Indiana University—for working with PACLoan.

Robert Morris College—for serving as a KeyNOTIS 5.1 beta site (they went into production after a single day).

University of Alabama—the first site to go into production with ProPAC.

University of Delaware—for going into production with ProPAC and for entering 6,000 pattern/caption records in 3 months.

University of Wisconsin at Platteville—PACLink leadership and for being "all around good to work with," said Jane Burke. ☐

BumSteer Roast Awards

Another NUGM tradition is the BumSteer Roast. This party was originally designed as a time for the NOTIS community and staff to gather informally. It is also a time for customers to present the BumSteer and Roadkill Special Achievement awards to those in Customer Support Services who they believe have done an exceptional job supporting them.

This year's BumSteer awards went to Carole Norris, Gina Davis Lacava, and Chuck Spatz.

Carole Norris, Customer Support Services manager, received the Roadkill Special Achievement Award. In honoring Carole for receiving this award, Alan Alexander-Manifold of Purdue University Libraries, wrote "Carole works quietly and calmly to make NOTIS a better company in many ways.

"Number one is her unswerving dedication to the principles that the company's focus should always be on the user...She has spearheaded an effort among the Support staff to continuously improve their operation and effectiveness, resulting in significant changes in the level of service to the users."

Chuck Spatz, Systems Engineer, was awarded Steer of the Year. In honor of his service, Leigh Williams of Stephen F. Austin State University, said "Many people voted for him, and he has been a resource for all of us for a variety of different products and problems. His all-around knowledge of NOTIS' product line is enviable...and his contributions are very much appreciated by the user community."

Gina Davis Lacava, Systems Engineer, also received the Steer of the Year award. John Pillans of Southern Methodist University, said "she always tries to help solve the problems you report and has excellent technical knowledge."

"Gina has helped me out with a number of thorny problems during the past year. I have really appreciated her 'can-do' approach and reassuring phone personality," wrote Leigh Williams, Stephen F. Austin State University. ☐

NOTIS Library Users Council—What They Are About

During the NUGM week, one of the meetings held was the "Big Joint Meeting." This lunch meeting consisted of the NOTIS Library Users Council (NLUC), Team NOTIS, MVS and VSE SIG chairs, and SIG chairs from the areas of functionality, such as Cataloging, Serials, and Circulation.

The meeting's purpose was to improve the effectiveness of the communication process throughout the NOTIS community. The Library Council's mission statement was discussed, an outcome of which is the letter published below.

They also discussed high-level critical needs, cooperation between Team NOTIS and the NLUC, and reactions to the NLUC's plans. Many positive comments were made regarding the new Users

Council, such as "a missing piece is now in place," "the LIB1 SIG is excited," and it is a "more focused way of giving suggestions."

The letter below is from NLUC to introduce you to the group, describe what they are focusing on, and to request your feedback. NLUC met for the first time at NUGM.

This letter was mailed to LIB1's, SIG chairs, and library directors. If you want to know more about the NLUC, you can refer back to the August 1993 issue of *NOTISes*. ☐



The NOTIS Library Users Council representatives are (from left to right):

Pick-A-Sweepstakes Winners

New to the award giving ceremony at NUGM was the Professional Services Pick-A-Project Sweepstakes. We sent out surveys to 244 customers asking them to answer some questions, and in turn giving them an opportunity to win three days of free consulting. Alan Alexander-Manifold, of Purdue University, won free consulting with his entry. The second place winners won a free copy of WinGopher. The WinGopher winners are:

Bergen Community College (Irene Pelak)

California State University at San Bernardino
(Beverly Ryan)

Cherry Creek Schools (Pat Neel)

Florida Institute of Technology (Mary Calhoun)

Public Library of Des Moines (Evelyn Murphy)

St. Louis Community College (Shawn Strecker)

University of Delaware (Carol Falgiano)

University of Regina (Carol MacDonald)

University of South Carolina (Steve Davey)

Virginia Commonwealth (Janet Woody)

Wichita Public Schools (Mary Schumacher) ☐



NUGM attendees get a chance to mingle between sessions.

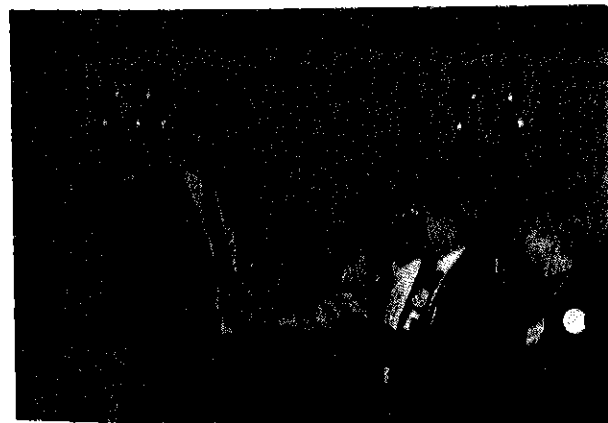
WinGopher Draws a Crowd at NUGM

Many of you stopped by to see the WinGopher booth at the Poster Sessions. WinGopher is a Microsoft Windows-based front-end to Gopher. WinGopher's graphical interface and windowing capabilities makes it easy to access and retrieve information available on the Internet.

If you want more information about WinGopher, call 1-800-55-NOTIS. ☐



Three NOTIS customers take an opportunity to discuss issues at NUGM.



Everyone wants to meet our favorite poet, Alan Alexander-Manifold, who won the Professional Pick-A-Sweepstakes.

The University of Delaware Awarded for "Sheer Guts"

At NUGM, NOTIS awarded the University of Delaware for entering 6,000 pattern/caption records for serials check-in in three months. Jane Burke said their accomplishment took "sheer guts." They succeeded in doing this with a staff of six working at four terminals. We wrote about this effort in the April issue of *NOTISes/89*.

Josie Williamson, Head of the Acquisitions department, presented a NUGM session on implementing LSER. One of the reasons the University of Delaware chose LSER was because they wanted an integrated system. Prior to LSER they were using Faxon's SC-10 service. Because Faxon announced they were taking SC-10 out of service, the University of Delaware had to find an alternative to SC-10, which they had used for four years.

In her NUGM session "LSER Implementation Issues" (#107), Josie described the successes and setbacks of learning LSER and implementing it.

Josie said they relied on the student workers to maintain the regular work of the serials unit. One of the students, Steve Myers, created a cartoon character to represent LSER.

"LaSER is a robot who has come to Earth to seek knowledge and spread information. Steve's scenario is that of a small robot whose father is a robot librarian. We enjoyed Steve's imaginary character and shared much comradery as we learned the story of how he came to Earth," Josie said.

Josie also talked about converting to LSER in "Ask the Experts, Acquisitions/Serials" (#76). Another NUGM session discussing LSER was, "Problem Patterns in LSER" (#41), presented in part by Beth Weston at the University of Delaware. If you want more information on these sessions and how to contact the presenters, refer to your NUGM handouts.

The Tales of LaSER (alias LSER)

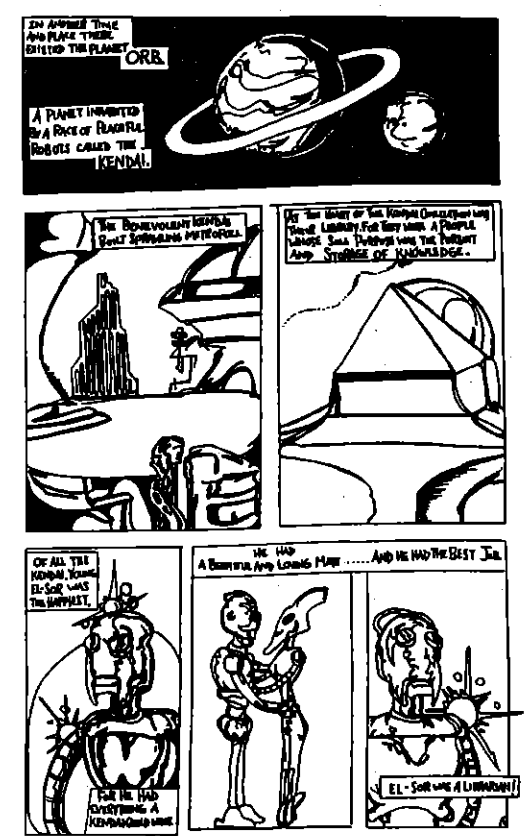
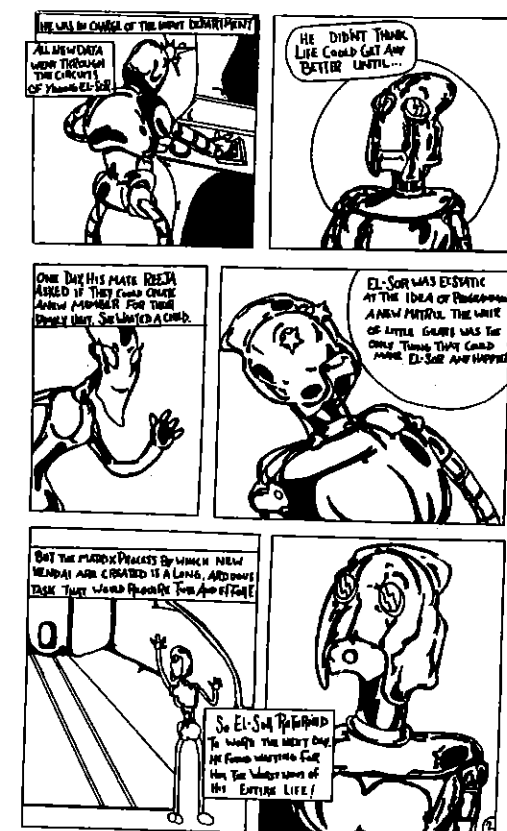
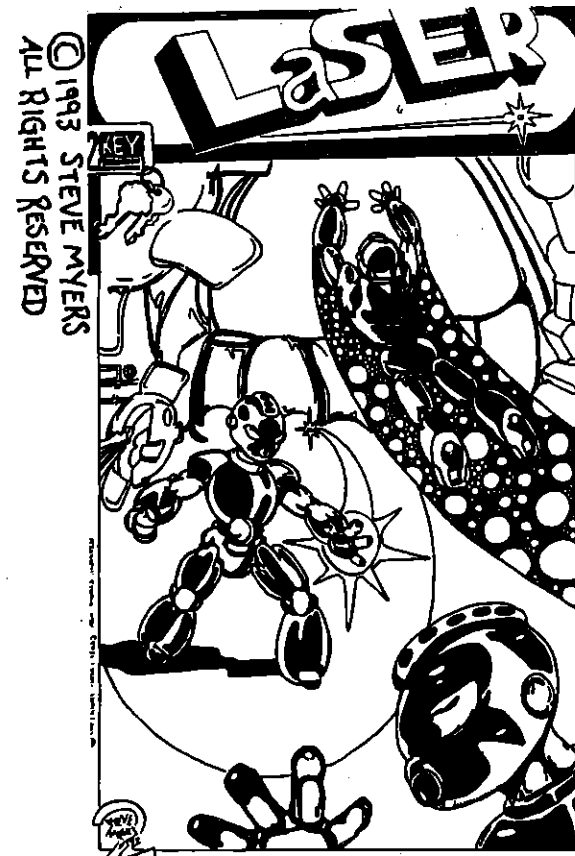
The creative mind behind the tales of LaSER is cartoonist and student, Steve Myers, at the University of Delaware. He works in the periodicals library checking in serials using LSER, the new serials module. Josie Williamson, Head of the Acquisitions Department, asked Steve to create a cartoon character to represent LSER, which would be used to help introduce patrons to the library and its computer systems.

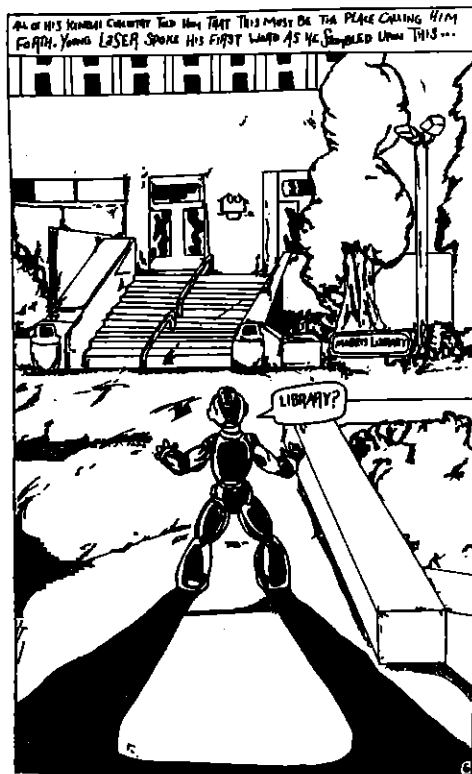
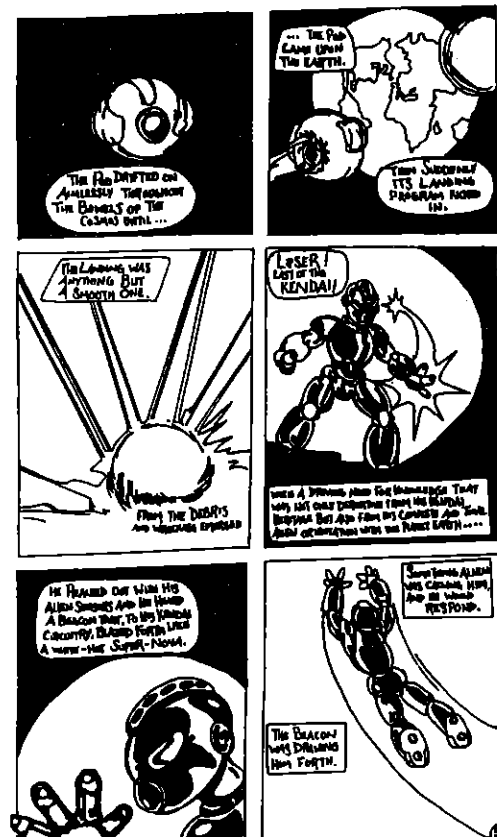
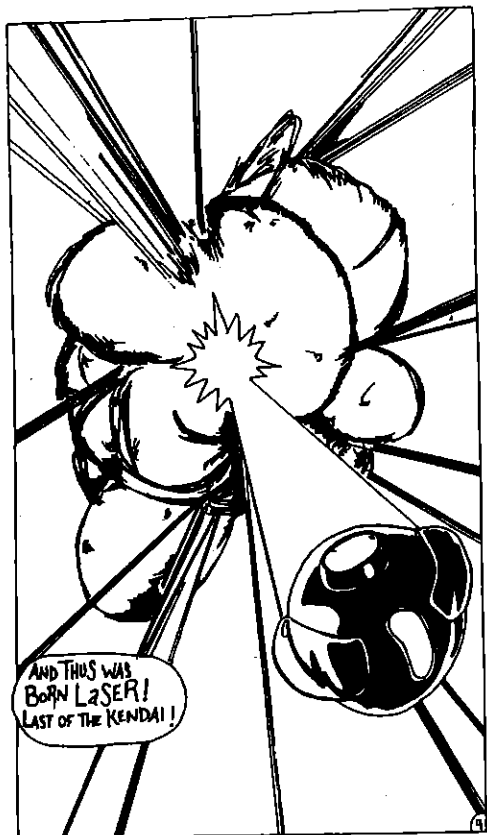
Steve went beyond the call of duty and created the beginning of a story describing how LaSER originated. He calls LSER "LaSER" because that was what he jokingly called it in the beginning.

In creating LaSER, Steve doodled a character somewhere between Astro Boy (a popular Japanese comic) and Fugitoid (a robot from *Ninja Turtles*). After creating LaSER, Steve wrote the story of how LaSER originated, which is attributed to the origins of Superman. Steve layed out the comic strip, and did all of the ink and brush work himself.

Steve calls this strip an ashcan edition, which is a preview, or an introduction to the story of LaSER. We hope to continue this story in future editions of *NOTISes*.

Steve is a sophomore at the University of Delaware and wants to make his living as a cartoonist. He works for a local comic store, and is willing to do any kind of art work to get the exposure and the experience he needs to succeed. He has illustrated windows for the First State Comics, the comic store where he works, and designed t-shirts and a racing car decal. Steve's cartoons have been published in the school newspaper, and one of his comic books is now being published.





New Linking Functionality in Release 5.2

Reported at the NOTIS Archivist Special Interest Group

In September, the NOTIS Archival Special Interest Group met in New Orleans and heard a presentation from a NOTIS representative on the new linking functionality that will be included in Release 5.2 of the Library Management System. The presentation did not address all of the technical workings of the program but focused on the highlights.

NOTIS believes that this functionality will benefit archivists and serials librarians, and developed this improvement in the LMS software with these two groups in mind.

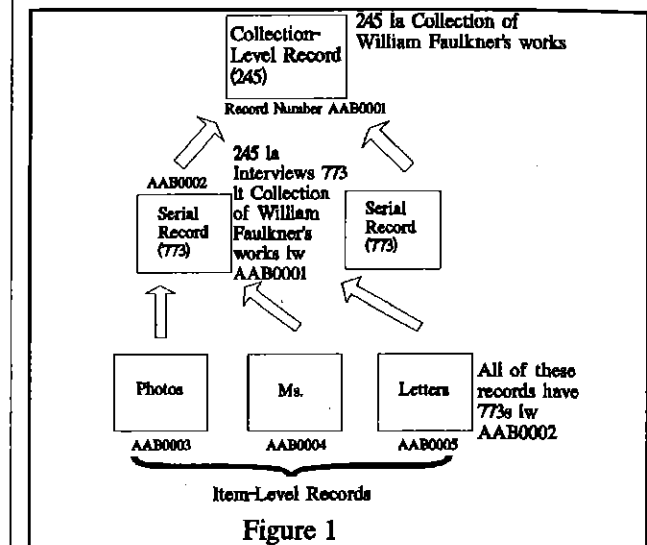
According to the MARC format, bibliographic records can be linked in horizontal, vertical, or chronological relationships with reciprocal tags. The relationships are illustrated in the table below.

		Relationship	Reciprocal Tag
760	Main Series Entry	vertical	762
762	Subseries Entry	vertical	760
765	Original Language Entry	horizontal	767
767	Translation	horizontal	765
770	Supplement	vertical	772
772	Parent Record	vertical	770
773	Host item entry	vertical	----
775	Other editions	horizontal	775
776	Addl. Physical Form Entry	horizontal	776
777	Issued with	horizontal	777
780	Preceding Entry	chronological	785
785	Succeeding Entry	chronological	780
787	Nonspecific Relationship		787

The new linking functionality lets the cataloger define relationships between bibliographic records

and lets the searcher automatically and easily find all records that are related to each other.

How does this work in an archival database? In Figure 1 we have accessioned and cataloged a collection of William Faulkner's works. The records describing the collection are related to each other in an hierarchical manner.



At the highest level is the host, master, or collection-level record with the title, *Collection of William Faulkner's Works*. Several serial records or subrecords further describe components of the collection.

Each subrecord contains a 773 tag, which links the subrecord to the host record. In our example, we have created bibliographic records for the boxes that house the items in the collection and have given one box the title, "Interviews."

To further our example, bibliographic records are created for items such as the photos, manuscripts, and letters housed in the box, Interviews. Each item-level record is linked to the higher level record Interviews through the use of the tag 773. In each case, the 773 is automatically generated from the 245 1a and the NOTIS record number of the higher level record.

In the second example for a serial, a horizontal relationship occurs between a 780 and 785 and the 245 of the serial record (Figure 2). If there is a bibliographic record containing a 245 for ALA

If you type 1 in the command line and press ENTER, you are taken to the Long View for the OPAC bibliographic record, ALA handbook (Figure 5).

```

Search Request: T-ALA BULLETIN
SERIAL Record 1 of 5 Related Entries Found
NOTISCat Long View

Author: American Library Association.
Title: ALA handbook
Published: <Chicago> American Library Association.
Subjects: American Library Association--Periodicals.
Library science--Periodicals.

No location/holdings information available.

START over BRIEF view RETURN Page 1 of 1
HELP INDEX <F5> PREVIOUS record
OTHER options RELATED records
NEXT COMMAND:
  
```

Figure 5

If you type REL from this bibliographic record screen, you then view another Related Records Index for ALA bulletin (Figure 6).

```

Search Request: T-ALA BULLETIN
Search Results: 1 Related Entry Found
NOTISCat Related Index

DATE TITLE: AUTHOR:
1 1939 ALA bulletin <serial> American Library A XP

START over Type number to display record
HELP INDEX RETURN
OTHER options RELATED records
NEXT COMMAND:
  
```

Figure 6

Figure 7 displays the staff side bibliographic record for the 245 ALA Bulletin containing a 780 for the 1t American libraries and two 785s for 1t Public libraries and 1t Bulletin of the American Library Association.

```

LTXP MORE ADE1940 TS17
XP- ADE1940 FMT S RT a BL s DT 08/03/93 R/DT 08/05/93 STAT cc E/L DCF D/S D
SRC d PLACE 11u LANG eng MOD OA a REPRO S/STAT d DT/1 1939 DT/2 1969
CONT S/T p FREQ m REG x MED GOVT TPA u IA u CIA u ISDS I CONF O SLE O

010: : a sc 78001579
012: : a 2 | 1 8703 | J O
022/1:0 : a 0364-4006
035/1: : a (OCOLC)01480279
035/2: : a 0946103 | b MULLS | a PITT NO. 0476100003
035/3: : a A254480 | b SULLS
035/4: : a (NU)ADE1572
040: : a MUL | c MUL | d NSD | d DLC | d m.c. | d SER | d NSD | d AIP | d HST | d JUL
042: : a nsdp | a 1c
043: : a n-us-
049/1: : a NOTA
060/1:0 : a Z 673 A116
069:1 : a A19785000

082/1: : a 020.5
090/1: : a | b
110:20: : a American Library Association. |w cn
  
```

Figure 7

```

LTXP MORE ADE1940 TS17
NOTIS CATALOGING

210/1:0 : a ALA bull.
212/1:0 : a American Library Association bulletin
222/1:00: : a ALA bulletin
245/10: : a ALA bulletin
260/00: : a <Chicago> | b American Library Association.
300/1: : a 31 v. | b 111. ports. | c 26 cm.
310: : a Eleven no. a year. | b -1969
362/1:0 : a Y. 33-63; Jan. 1939-Dec. 1969.
510/1:2 : a Annual bibliography of English language and literature |x 0066-3786
510/2:0 : a Current contents. Education
510/3:0 : a Education index |x 0013-1385
510/4:0 : a Library literature |x 0024-2373
510/5:0 : a Readers' guide to periodical literature |x 0034-0464
510/6:0 : a Public affairs information service |x 0033-3409
530/7: : a Available on microfilm from University Microfilms.
550/8:0 : a Official bulletin of the American Library Association.
  
```

Figure 7a

```

LTXP DONE ADE1940 TS17
NOTIS CATALOGING

580/9: : a Vols. for 1939-48 include as a regular number: American Library Association. Conference. Annual conference proceedings of the American Library Association. ISSN 0093-2604; vols. for 1939-47 also include: American Library Association. ALA handbook.
610/1:20: : a American Library Association |x Periodicals.
650/2:0 : a Library science |x Periodicals.
710/1:20: : a American Library Association. |t Bulletin. |w cn
777/1: : a American Library Association. |t ALA handbook |w ADE1942
777/2: : a American Library Association. Conference |t Annual conference proceedings of the American Library Association |w ADE1941
780/1: : |t American Libraries. |w ADC3672
785/1: : |a American Library Association. |t Public Libraries (1947) |w ADE1943
785/2: : |a American Library Association. |t Bulletin of the American Library Association |w ADE1944
850/1: : |a laU |a OU
  
```

Figure 7b

Figure 8 (ADE1943) is of the 245 Public libraries with the corresponding 780 1t ALA bulletin.

```

LTXP DONE ADE1943 TS17
XP- ADE1943 FMT S RT a BL s DT 08/03/93 R/DT 08/04/93 STAT cc E/L DCF D/S D
SRC d PLACE 11u LANG eng MOD OA a REPRO S/STAT d DT/1 1939 DT/2 1969
CONT S/T p FREQ m REG x MED GOVT TPA u IA u CIA u ISDS I CONF O SLE O

035/1: : |9 (NU)ADE1572
042: : a nsdp | a 1c
043: : a n-us-
049/1: : a NOTA
082/1: : a 020.5
110:20: : a American Library Association. |w cn
245/10: : a Public Libraries (1947)
260/00: : a <Chicago> | b American Library Association.
300/1: : a 31 v. | b 111. ports. | c 26 cm.
510/1:20: : a American Library Association |x Periodicals.
650/2:0 : a Library science |x Periodicals.
780/1: : a American Library Association. |t ALA bulletin. |w ADE1940
  
```

Figure 8

Bulletin and two 785s, one with a 1t Public libraries and 1t Bulletin of the American Library Association, then it stands to reason that there is also a corresponding 245 for Public libraries with a 780 to 1t ALA Bulletin.

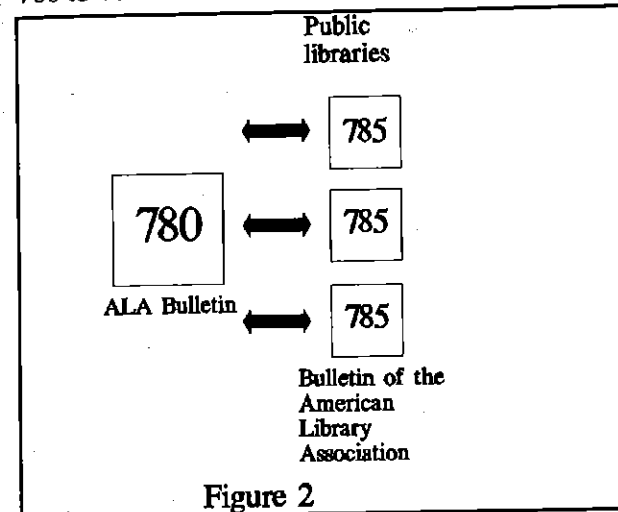


Figure 2

In the new NOTIS functionality, it is the Related Records Index that allows you to land on any record in a group and see the corresponding relationships.

The Online Link Command

Links are generated in Release 5.2 through commands in staff functions. The link commands automatically copy the information from the designated field of the link-from record to the link-to record without rekeying.

Similarly, the subfield lw is automatically created. Successfully completing the link will cause the system to post linking information to the new Related Records Index.

NOTIS will provide a batch job that generates the Related Records Index file for those sites who may have defined the links previously in the subfield lw.

Impact on the OPAC

You will be able to retrieve records in the OPAC in the usual way—author, title, subject, call number, and keyword. If you want to view a record that has links to or from it, you can use the REL command in the footer prompts. Issuing the REL command will cause the system to:

- (1) look up related records in the link index
- (2) trace links for all linking lw fields in the record

The system will collect all the related records together, sort by date, and output a list of related records. In OPAC, the direction of the links is transparent to the end user.

You can choose to display any record on the list. Records are formatted in the usual OPAC display format. You can issue the RET command to return to the last list of related citations at any point. You can use normal OPAC commands to navigate through the list.

When you choose a record, the system must check the link index again. The chosen record may have further citations. If so, you can issue the REL command again to see more related records.

The OPAC Related Record Index display is modeled after the keyword index. However, note that the titles are not arranged chronologically in this display. The date of publication comes first.

The figures provided below illustrate the new linking functionality. In Figure 3 there is the OPAC Long View display for the 245 ALA Bulletin. Note the REL command in the footer prompts.

```

Search Request: T-ALA BULLETIN
SERIAL Record 3 of 3 Entries Found
NOTISCat Long View

Author: American Library Association.
Title: ALA bulletin.
Published: <Chicago> American Library Association.
v. 33-63; Jan. 1939-Dec. 1969.
Subjects: American Library Association--Periodicals.
Library science--Periodicals.
Other authors: American Library Association. Bulletin.
Notes: Vols. for 1939-48 include as a regular number: American Library Association. Conference. Annual conference proceedings of the American Library Association. ISSN 0093-2604.

START over BRIEF view RETURN Page 1 of 2
HELP INDEX <F5> PREVIOUS record
OTHER options RELATED records
NEXT COMMAND:
  
```

Figure 3

If you type REL at the command line and press ENTER, you are taken to the Related Records Index for ALA Bulletin (Figure 4).

```

Search Request: T-ALA BULLETIN
Search Results: 5 Related Entries Found
NOTISCat Related Index

DATE TITLE: AUTHOR:
1 1939 ALA handbook <serial> American Library A XP
2 1939 Annual conference proceedings of <serial> American Library A XP
3 1970 American Libraries <serial> American Library A XP
4 1939 Public Libraries (1947) <serial> American Library A XP
5 1939 Bulletin of the American Library <serial> American Library A XP

START over Type number to display record
HELP INDEX RETURN
OTHER options RELATED records
NEXT COMMAND:
  
```

Figure 4

Finally, Figure 9 displays the 245 American libraries with the corresponding 785 1t ALA bulletin. In all of the above figures, note the subfield 1w and NOTIS record key, which ties all of the reciprocal relationships together.

```

LTXP MORE                                ADC3672
NOTIS CATALOGING                          T517
IP: AOC3672 FMT S RT # BL # DT 02/21/85 R/DT 08/04/93 STAT mm EFL DCF D/S D
SRE PLACE 11u LANG eng MOD 0A REPRD S/STAT c DT/1 1970 DT/2 9999
CNT S/T p FREQ # REG # MED GOVT TPA # IA # CIA # ISDS I CONF 0 SLE 0

010: : |a 70021767
022/1: : |a 0002-9769
035/1: : |a (OCoLC)854299
040: : |c GAU |d MAJULS |d NSDP |d DLC |d NSDP |d DLC |d NSDP |d OCoLC |d
NSDP |d DLC |d m.c. |d SER |d AIP |d NSDP |d AIP
042: : |a nsdp |a lc
043: : |a n-us--
050/1:0 : |a Z673 .A5 |b B82
060/1: : |a Z 673 A508
082/1: : |a 020.973
210/1:0 : |a Am. libr.
222/1:00: |a American Libraries
245:00: |a American Libraries.
260:01: |a <Chicago> |b American Library Association.
265: : |a 50 E. Huron St., 60611
300/1: : |a v. |b 111.. ports. |c 30 cm.
  
```

Figure 9

```

LTXP MORE                                ADC3672
NOTIS CATALOGING                          T517
310: : |a 11 no. a year
350: : |a $20.00 (institution)
362/1:0 : |a v. 1. Jan. 1970-
500/1: : |a Official bulletin of the American Library Association.
510/2:1 : |a Magazine Index |b 1970-
510/3:2 : |a Predicasts
510/4:2 : |a Hospital literature index |x 0018-5736
510/5:2 : |a Popular magazine review |x 0740-3763 |b 1984-
510/6:1 : |a Education Index |x 0013-1305
510/7:0 : |a Biography index |x 0006-3053
510/8:1 : |a Library literature |x 0024-2373
510/9:2 : |a Public Affairs Information Service bulletin |x 0033-3409
510/10:0 : |a Readers' guide to periodical literature |x 0034-0464
510/11:0 : |a Education Index |x 0013-1305
510/12:2 : |a Library & information science abstracts |x 0024-2179
510/13:2 : |a Book review index |x 0524-0581
510/14:2 : |a Current index to journals in education |x 0011-3565
510/15:2 : |a Media review digest |x 0363-7778
530/16: : |a Available on microfilm from University Microfilms International.
  
```

Figure 9a

```

LTXP DONE                                ADC3672
NOTIS CATALOGING                          T517
650/1:0 : |a library science |x Periodicals.
710/1:20: |a American Library Association.
785/1: : |a American Library Association. |t ALA bulletin. |w ADE1940
  
```

Figure 9b

Answering Questions about QuikReports

Work on the next release of QuikReports is underway. An analyst is working on QuikReports now to decide what needs to go into the next release.

To make this decision, the analyst is looking at comments and ideas that came out of a QuikReports focus group, problems reported on the Problem Tracking System, and talking with customers who are already in production with QuikReports. Programming for the next release of QuikReports is scheduled to begin in December.

Customer Support Services put together the following questions and answers from the Problem Tracking System.

Q: Are percents being totaled on QuikReports ACQ004, the Ten Funds with Largest Balances Report? Percent columns also appear on ACQ005, the Ten Funds with Smallest Balances Report, and on ACQ010, the Allocation, Encumbrances, and Expenditures Report.

A: The number that appears under the Expend Allocate Percent column on these reports is calculated by dividing the total expenditures by the total allocation. The number that appears under the Exp+Enc Allocate Percent columns is calculated by adding the total expenditures to the total encumbrances and dividing that amount by the total allocation.

Q: Can QuikReports CAT009, the Inventory List Report, be run by location for very large collections?

A: No, only processing units can be specified on the LSYS screen to generate smaller reports.

Q: QuikReports ACQ004, the Ten Funds with Largest Balances Report, lists funds and amounts that are identical to those found on ACQ005, the Ten Funds with Smallest Balances Report.

A: If only ten (or less than ten) fund records exist which meet the report criteria, the reports will show identical funds and amounts.

Q: Which balance, the expendable balance or the available balance, is being used to

generate QuikReports ACQ004, the Ten Funds with Largest Balances Report, and ACQ005, the Ten Funds with Smallest Balances Report?

A: The available balance is used to generate these two reports.

Q: Where can the "D" that is specified in QuikReports CAT004 be found on the bib record?

A: The "D" is found in the second position in the STAT fixed field immediately to the right of the R/DT fixed field.

Q: Where can information be found about the various subformats on QuikReports CAT004, the Copies Held Report?

A: The subformat headings are derived from the 008 fields for each type of record format. The USMARC Format for Bibliographic Data contains information on these fields.

Q: How does the "h" that is necessary for QuikReports CAT001, the Cataloged Titles Report, become part of the copy holdings record?

A: The catalog status code of "h" is entered manually on the copy holdings record. See the *NOTIS User's Guide for Cataloging and Authorities* for details. GTO parameters or batch load parameters might also set this code to "h".

Q: What is being counted on QuikReports CIR010, the Most Popular Titles Recalled Report?

A: This report counts, by location, the total number of recalls that have occurred on item records linked to a particular title.

Q: Why does QuikReports CIR009, the Most Popular Titles Charged Report, include logically deleted items?

A: Items that were charged and meet the criteria for this report are included even if they have since been deleted.

Q: The counts on QuikReports CAT004, the Copies Held Report; CAT005, the Inventory List Report; and CAT009, the Unlinked Item Records Report do not seem to add up.

A: These reports each count different things. CAT004 counts copy statements, CAT005 counts item records, and CAT009 counts unlinked item records.

Q: Are multiple copies included in QuikReports

CAT001, the Cataloged Titles Report?

A: Yes. Multiple copies of a cataloged title are included on this report.

Q: Are subscriptions included in QuikReports ACQ016, the Standing Order Vendor List?

A: Yes. This report includes both standing orders and subscriptions.

Q: Are all funds included in QuikReports ACQ011, the Encumbrances/Expenditures Summary?

A: No. Only funds which have had expenditures against them are included in this report.

Q: Are all funds included in QuikReports ACQ010, the Allocations, Encumbrances and Expenditures Report?

A: No. Only funds which have expenditures against them are included in this report.

Q: Which dates are used to calculate the order fill-time on QuikReports ACQ009, the Vendor Order Analysis Report?

A: The order create date and the order scope modification date are used to calculate the order fill-time on this report.

Q: Why do Abend Q80I, Q50I, or Q10I occur when a selection is made in the LSYS QuikReports menu?

A: CICS must be recycled after running LQR000JC to seed the LCRFILE and QRPFIL.

Q: What do the column headings (N, SUM, MEAN, and STD) in the second part of QuikReports CIR017 mean? The documentation does not explain what these columns are in relation to the patron charge report.

A: N= Number of patron records counted; SUM= the total number of current charges for all patrons in the same category (among those patron records that were counted); MEAN= the statistical mean (as in the mean, median, and mode used in statistical analysis); and STD= the standard deviation. These are the values used to calculate the statistics for this report.

Q: Can QuikReports be used to produce fund management reports across multiple reporting years (i.e., contract fiscal years May through April, versus government fiscal years October through September)?

A: Yes. Reports will be generated based on the date selected on each report's LSYS screen and the active fiscal year. A date within the active fiscal year is used to produce reports for ACQ004, ACQ005, ACQ010, ACQ011, ACQ012, ACQ013, and ACQ022.

Q: When the manual talks about submitting the QuikReports online, does it actually submit the JCL?

A: No. It only sets up the indicators for the reports desired. The JCL for the batch job must actually be submitted to the operating system.

Q: For VSE QuikReports, the LQR100JC runs to completion with condition code 0 but no report is produced.

A: Using the SYSIN parameter on the first parm in the EXEC PROC=SAS does not read in the file SASCARDS. This is a problem that has been reported to SAS. In the meantime we are working on alternate JCL to bypass the SYSIN statement as a work around. This JCL will be released as soon as it goes through the quality assurance process.

Q: The message log for QuikReports isn't printing a message when the system skipped a field because of missing data.

A: Messages do not print in the message log for missing data.

Q: *QuikReports Technical and User Documentation* chapter on Resolving Missing Data states the Authorities Lacking Cross References Reports (CAT008) reads the order file.

A: CAT008 for QuikReports reads the authority file.

Q: QuikReports abended in the last step, stating that the "CONFIG" file was missing.

A: The CONFIG DD statement is part of the SAS proc that is provided with the SAS product (not a part of NOTIS LMS). The proc has the DD statement NULFILEd out. It must point to a legitimate configuration file.

Q: Can a list of all unpaid bills/fines be produced?

A: There is no job supplied with LMS which will do this. However, the QuikReports jobs CIR002 (patron fines owed report), CIR003 (lost items report -with amount owed), and CIR004 (missing items report -with amount owed) could be used.

Q: Is SAS ASSIST needed to run QuikReports? What version of SAS?

A: SAS ASSIST is an online aid to writing SAS reports, NOT needed for QuikReports. QuikReports uses only 'base' SAS. For MVS sites, SAS version 6.07 or higher is required. For VSE sites, SAS version 6.08 or higher is required. Jill Oxtor at SAS in Irvine, California reports the VSE sites will also need SAS STAT for reports.

Q: What job do you run to create circulation statistics?

A: Run the Daily Operations Report, LB610JC, which provides circulation statistics for each service unit. QuikReports will produce many circulation summary reports as well, for example for patron data, number of overdues, lost items, blocked patrons, bill and fine summaries, holds and recalls, and so on (see the *Technical Reference Manual*). ☐

Management Changes at NOTIS

As of November 8, Stacy Kowalczyk will be managing the Customer Support Services department. Carole Norris will be managing the Professional Services department. Stacy has been a manager in Systems Development since 1989. Carole has been the manager of Customer Support Services since 1991. ☐

NOTIS Consultant Publishes a Book about VSE

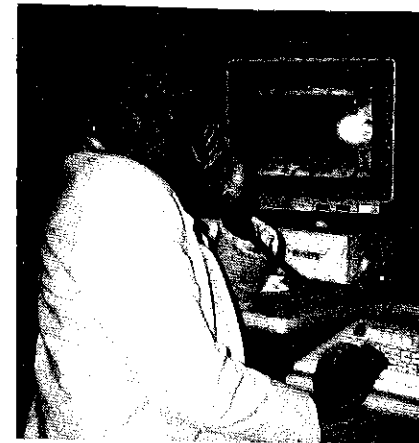
Frank Graubart-Cervone, a technical consultant at NOTIS, recently published a book entitled, *VSE/ESA JCL Utilities, POWER, and VSAM*.

This book is a comprehensive guide to the VSE operating system for application programmers and computer operators. It details VSE/ESA topics, including utility programs and console operations, and discusses POWER and VSAM in relation to VSE/ESA.

In discussing his book, Frank said, "What is exciting about this book is that it is written for people of all skill levels and enables them to exploit all of the new features of the operation system, such as 31 bit addressing and virtual disks...Works of this nature demonstrate NOTIS' continuing commitment to our current customers as we all move into a distributed processing environment."

Frank has been involved with VSE for more than 10 years as both an application and a systems programmer. As a technical consultant at NOTIS, some of Frank's responsibilities include installing, maintaining, and monitoring system software. He has published articles in *Technical Support Magazine* and *Enterprise Systems Journal*. In addition, Frank is working on a second book about AIX/6000.

VSE/ESA JCL is part of a series published by McGraw-Hill, Inc. to provide "mini- and main-frame computing professionals with practical and timely concepts, solutions, and applications." ☐



Swati Trivedi is a Systems Engineer in Customer Support Services.

Introducing a New Member to Customer Support Services

Swati Trivedi is the most recent staff member of Customer Support Services. She joins NOTIS as a Systems Engineer.

At this point, she is supporting WinGopher and ProPAC. Swati has over 8 years of experience in information systems as well as customer support from IBM and NBI Corporations.

At the IBM development lab, Swati worked with VTAM/NCP systems testing, where she helped develop performance testing of the VTAM 3.4 release.

Swati received her bachelor's degree in computer science from Bradley University. Outside of work, Swati enjoys reading, especially mystery novels, and playing tennis, when weather permits. ☐

NOTIS Special Interest Groups

1. Acquisitions

Nancy Boggess-Korekach, Chair
Librarian, General Tech Svcs.
Vanderbilt University Library

Phone: (615) 322-2409
Email: boggesnl@ctrvax.vanderbilt.edu
Fax: (615) 343-8834

Jeanne Harrell, Chair-elect
Head, Acquisitions Bib. Access Div.
Texas A&M University

Phone: (409) 845-1342
Email: eeh4335@tamvm1.tamu.edu.
Fax: (409) 845-6238
2. Archives

Nancy Lyon
Archivist
Yale University Library

Phone: (203) 432-1749
Email: bm.yca@rlg
Fax: (302) 432-7231
3. BNA/NOTIS

Dina Giambi
Assistant Director
University of Delaware

Phone: (302) 831-2231
Email: dina.giambi@mvs.udel.edu
Fax (302) 831-1046
4. Cartographic

Mary Lynette Larsgaard
Assistant Head
Map & Imagery Lab, Library
University of California

Phone: (805) 893-4049, 2779
Email: lb08mll@ucsbvm
Fax: (805) 893-4676, 8620
5. Cataloging/
Authorities

Betsy Hine, Chair
Head, Monographic Cataloging
Indiana State University

Phone: (812) 237-2573
Email: libhine@cml.indstate.edu
Fax: (812) 237-2567

Carol Walton, Chair-elect
Systems Office
University of Florida (FCLA)

Phone: (904) 392-0796
Email: carwalt@nervm.nerd.ufl.edu
Fax: (904) 392-7251
6. Circulation

Bruce Hulse, Chair
Systems Librarian
WRLC

Phone: (301) 731-1000 x404
Email: hulse@wrlcvm
Fax: (301) 731-1012

Tom Schneider, Chair-elect
Head, Circulation Services
Yale University

Phone: (203) 432-1855
Email: tomsch@yalevm.bitnet
Fax: (203) 432-7231

Gayle Grantham, NUGM Planner
Manager, Circulation Services
Vanderbilt University

Phone: (615) 322-2292
Email: granthge@vuctrvax
Fax: (615) 343-6454
7. CJK

Karl Kahler
Van Pelt-Dietrich Library Center
University of Pennsylvania

Phone: (215) 898-3205
Email: bm.peo@rlg.bitnet
Fax: (215) 898-0559
8. Consortia/
Networks

Patrick Calhoun, Co-chair
Librarian, Univ. Automated Networks
University of South Carolina

Phone: (803) 777-6212
Email: N700091@univscvm.csd.\
scarolina.edu
Fax: (803) 777-4661

9. Faxon/NOTIS

Patricia Young, Co-chair
Assistant Director, Library
City University of New York

Phone: (212) 541-0315
Email: paybh@cunyvm
Fax: (212) 541-0327

Basil W. Sozansky
University of Minnesota

Phone: (612) 625-6575
Email: tbws1@umnadmin
Fax: (612) 625-3428
10. Government
Documents
Cataloging
Services

Larry Romans
Central Library
Vanderbilt University

Phone: (615) 322-2838
Email: romanslm@vuctrvax
Fax: (615) 343-7276
11. Health
Sciences

Ruth Makinen, Chair
Head of Technical Svcs.
University of Minnesota

Phone: (612) 626-3017
Email: r-maki@uminn1
Fax: (612) 626-3824

Geneva Bush, NUGM Planner
Biomedical Library
University of South Alabama

Phone: (205) 460-6890
Email: usaglb@asnusa.asn.net
Fax: (205) 460-7638
12. KeyNOTIS

David Bennett, Chair
Library Automation Coordinator
Robert Morris College

Phone: (412) 262-8474
Email: bennett@rmcnet.robert-morris.edu
Fax: (412) 262-4049

Soo Lee, Vice-chair/chair-elect
Head, Technical Services
Messiah College

Phone: (717) 691-6006 x3850
Email: soolee@mcis.messiah.edu
Fax: (717) 691-6042
13. Law

Nona K. Watt
Head of Technical Services
Indiana University Law Library

Phone: (812) 855-9666
Email: wattn@indiana
Fax: (812) 855-7099
14. LIB1

Nancy Pope, Chair
Assistant to the Dean
Louisiana State University

Phone: (504) 388-3215
Email: lbysec@lsuvm
Fax: (504) 388-6825

Kayla Willey, NUGM Planner
Library Automation Coordinator
Brigham Young University

Phone: (801) 378-6766
Email: libkxw@byuvm
Fax: (801) 378-3221
15. Media
Management

Dr. Fred Olive
Educational Technology Services
University of Alabama-Birmingham

Phone: (205) 934-2379
Email: slb2006.uabdpo
Fax: (205) 975-6230.
16. MDAS

Joe Jaros, Chair
Computer Systems Manager
Texas A&M University

Phone: (409) 845-7400
Email: ojj2090@tamumt.tamu.edu
Fax: (409) 845-7493

Sally Roberts, Vice-chair
Reference Department
Northwestern University Library

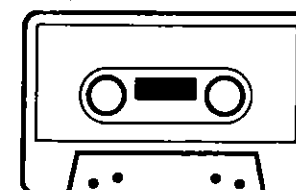
Phone: (708) 491-2168
Email: sroberts@nuacvm.nwu.edu
Fax: (708) 491-4655

17. National Music
Karen Little
University of Louisville
Phone: (502) 588-5659
Fax: (502) 588-0520
18. NOTIS Classics, Inc.
Nancy R. John, Co-chair
Assistant University Librarian
University of Illinois at Chicago
Phone: (312) 996-2716
Email: u31452@uicvm
Fax: (312) 413-0424
Mark Hinnebusch, Co-chair
Asst. Dir. for Computing Svcs.
FCLA
Phone: (904) 392-9020
Email: fclmth@nervm
Fax: (904) 392-9185
19. OPAC User Instruction and Staff Training
Betty Landesman, Co-chair
Coordinator, Systems Planning
George Washington University
Phone: (202) 994-1333
Email: betty@gwuvvm
Fax: (202) 994-1340
Jane Bryan, Co-chair
Head, Reference Department
University of Pennsylvania
Phone: (215) 898-8118
Email: Bryan@A1.relay.upenn.edu
Fax: (215) 898-0559
20. Preservation
Cathy Larson, Co-chair
University of Iowa Libraries
Phone: (319) 335-5296
Fax: (319) 335-5830
Patricia Palmer, Co-chair
Head, Preservation Services
Virginia Commonwealth University
Phone: (804) 367-1093
Email: pepalmer@vcucax.bitnet
Fax: (804) 367-1730
21. Public and School Library
Jon Walker
Manager, Technical Services
Tulsa City-County Library System
Phone: (918) 596-7928
Email: adm_lib@vax1.utulsa.e
Fax: (918) 596-2641
22. RLG/NOTIS
Christina Meyer
Head, Database Management Div.
University of Minnesota
Phone: (612) 625-0107
Email: C-Meye@uminn1
Fax: (612) 625-3428
23. Serials Control
Susan Davis, Co-chair
Head, Periodicals
State University of New York-Buffalo
Phone: (716) 645-2784
Email: unlsdb@ubvm.cc.buffalo.edu
Fax: (716) 645-5955
Ruth Christ, Co-chair
Serials Cataloging Unit Head
University of Iowa Libraries
Phone: (319) 335-5895
Email: cadrthts@uiamvs
Fax: (319) 335-5830
24. Special Libraries
David Beveridge, Assistant Director
National Geographic Society Library
Phone: (202) 857-7085
Fax: (202) 775-6141
25. Technical
Harry Samuels, Co-chair
Programmer Analyst
University of Alabama
Phone: (205) 348-2877
Email: hsaamuels@ua1vm
Fax: (205) 348-9170
Colegate Spinks, Co-chair
Director Computer Center
Angelo State University
Phone: (915) 942-2333
Email: zcvss@adm.angelo.edu
Fax: (915) 942-2109

AUDIO CASSETTE ORDER FORM



NUGM 93
OCTOBER 14-16, 1993
PALMER HOUSE • CHICAGO, ILLINOIS
Each program consists of one cassette, \$9.00 each



- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> UG 300 General Session <input type="checkbox"/> UG 301 Community Based Information in NOTIS <input type="checkbox"/> UG 302 The "Ideal" Acquisitions System <input type="checkbox"/> UG 303 Staff Training: the Never-Ending Saga <input type="checkbox"/> UG 304 Managing MDAS Dataases <input type="checkbox"/> UG 305 What's Client/Server & What Does an Open System Really Mean? <input type="checkbox"/> UG 306 Using A GUI for Expanding Patron Access <input type="checkbox"/> UG 307 InterCampus/IntraSystem Loan Use in a Consortium <input type="checkbox"/> UG 308 Working at Home: A NOTIS Experience <input type="checkbox"/> UG 309 Coming Attractions: Release 5.2 Circulation <input type="checkbox"/> UG 310 VSAM Tuning MVS <input type="checkbox"/> UG 311 VSAM Tuning VSE <input type="checkbox"/> UG 312 Resource Tape Loading <input type="checkbox"/> UG 313 Document Delivery and MDAS <input type="checkbox"/> UG 314 Linking to Remote Library's Holdings <input type="checkbox"/> UG 315 From A-Z on Z39.50 the Standard for Open Systems <input type="checkbox"/> UG 316 NOTIS from a Consortium Member's Viewpoint <input type="checkbox"/> UG 317 Shelf Listing in 6.1 <input type="checkbox"/> UG 318 Circulation in a Decentralized Environment <input type="checkbox"/> UG 319 Preparing for InfoShare or PACLink <input type="checkbox"/> UG 320 Circulation Batch in LMS 5.2 <input type="checkbox"/> UG 321 Meeting the Needs of the Disabled <input type="checkbox"/> UG 322 OPAC Research Forum: Focus on the User <input type="checkbox"/> UG 323 What's in the Future? MDAS and InfoShare <input type="checkbox"/> UG 324 Expanded Access Through Collection Sharing <input type="checkbox"/> UG 325 Providing Easier Database Access & Document Delivery <input type="checkbox"/> UG 326 Access to Musical Works in NOTIS <input type="checkbox"/> UG 327 Circulation Reports <input type="checkbox"/> UG 328 Keeping Track of Local Modifications <input type="checkbox"/> UG 330 Gopherspace: Exploration of the Information World Beyond NOTIS <input type="checkbox"/> UG 331 Problem Patterns in LSER <input type="checkbox"/> UG 332 NOTIS Implementation of Format Integration <input type="checkbox"/> UG 333 Cracking the Code: MDAS, OPAC, NOTIS: Where's the Patron? <input type="checkbox"/> UG 334 Network Configurations for Consortia <input type="checkbox"/> UG 335 Introduction to UNIX <input type="checkbox"/> UG 336 NOTIS-L: What It Is and How To Get It <input type="checkbox"/> UG 337 User Enhancements in COBOL <input type="checkbox"/> UG 338 Breaking the TS/PS Barriers in the NOTIS Environment <input type="checkbox"/> UG 339 Installing New Releases <input type="checkbox"/> UG 340 Putting PACLink Into Production | <ul style="list-style-type: none"> <input type="checkbox"/> UG 341 Electronic Interfaces with Vendors <input type="checkbox"/> UG 343 Open Up with NOTIS Horizon <input type="checkbox"/> UG 344 Technically Speaking: The Nuts & Bolts of Client/Server <input type="checkbox"/> UG 345 TCP/IP Networking <input type="checkbox"/> UG 346 Just the Facts ...A Technical Perspective on NOTIS Horizon <input type="checkbox"/> UG 347 Development and Support Directions <input type="checkbox"/> UG 348 Providing Financial Info Using NOTIS Fund Accounting <input type="checkbox"/> UG 349 Managing the Patron Files <input type="checkbox"/> UG 350 CICS Monitoring and Utilities <input type="checkbox"/> UG 351 Local Documentation of JCL <input type="checkbox"/> UG 352 NOTIS Architecture: How to Construct an Elephant <input type="checkbox"/> UG 353 QuikReports: Are They For You? <input type="checkbox"/> UG 354 NOTIS: In the Beginning <input type="checkbox"/> UG 355 Authority Control Basics <input type="checkbox"/> UG 356 Topics in SAS: Neat Tricks to Try <input type="checkbox"/> UG 357 Sharing Online Databases <input type="checkbox"/> UG 358 Patron Records <input type="checkbox"/> UG 360 CICS Tuning MVS <input type="checkbox"/> UG 361 LCSH Tapes <input type="checkbox"/> UG 362 Downtime: What to do When Your Ship Hits an Iceberg <input type="checkbox"/> UG 363 Using E-Mail Applications with Circulation <input type="checkbox"/> UG 364 NOTIS and Collection Analysis <input type="checkbox"/> UG 365 Basic GLOB/GLCH <input type="checkbox"/> UG 366 Circulation Hands-On <input type="checkbox"/> UG 368 Modifying the NOTIS TAG Tables <input type="checkbox"/> UG 369 Index File Structures <input type="checkbox"/> UG 370 ProPAC: A View From The Beta Sites <input type="checkbox"/> UG 372 Circulation Issues for the Law Library <input type="checkbox"/> UG 373 LSER Implementation Issues <input type="checkbox"/> UG 374 Using Navigator <input type="checkbox"/> UG 375 QuikReports <input type="checkbox"/> UG 376 No Way Out <input type="checkbox"/> UG 377 GTO: Vanilla, LANed adn TECH 1 Perspectives <input type="checkbox"/> UG 378 Teaching NOTIS in New Contexts |
|---|--|
- BONUS OPTIONS**

 - BUY 6 TAPES, RECEIVE THE 7th TAPE FREE!
 - BUY 12 TAPES, RECEIVE A FREE STORAGE ALBUM
 - BUY THE ENTIRE SET OF TAPES, RECEIVE A 20% DISCOUNT AND FREE STORAGE ALBUM

PLEASE COMPLETE AND RETURN ENTIRE FORM

<p style="text-align: right; margin: 0;">PLEASE PRINT</p> <p>AMOUNT OF ORDER \$ _____</p> <p>(IL RESIDENTS ADD 8.75% SALES TAX) \$ _____</p> <p>\$4.00 SHIPPING & HANDLING \$ 4.00</p> <p>TOTAL (IN U.S. FUNDS) \$ _____</p> <p><small>PLEASE NOTE: Any defective tapes will be replaced, but tapes are nonrefundable.</small></p>	<p style="text-align: right; margin: 0;">UG</p> <p><input type="checkbox"/> CHECK ENCLOSED PAYABLE TO TEACH 'EM</p> <p><input type="checkbox"/> VISA \$25 MINIMUM ON CREDIT CARD ORDERS</p> <p><input type="checkbox"/> MC CARD # _____</p> <p><input type="checkbox"/> AMEX EXPIRATION DATE _____</p>
--	--

SEND TO: TEACH 'EM, 160 EAST ILLINOIS ST., CHICAGO, IL 60611
PHONE: (312) 467-0424 • FAX: (312) 467-9271 • TOLL-FREE: 1-800-225-3775

NAME _____	TITLE _____
ORGANIZATION _____	
ADDRESS (NO PO BOXES) _____	CITY _____ STATE _____ ZIP _____
SIGNATURE _____	TELEPHONE () _____