NOTISes

For users of NOTIS library information systems

A Release 5.0 overview of NOTIS's LMS Online Control file

Ann Greenseth
Conversion Consulting

Release 5.0 introduces the new Library Management System Online Control file, which brings about significant changes in accessing many of the NOTIS tables. There are substantial improvements with the Control file, one of the most important is moving control of certain functions into the library. In addition, through use of the Online Control file, any changes, additions, and updates are made in real time. Please turn to page four to read about these new changes.

MDAS 1.1 & LMS Release 5.0: Update

The current general release date for LMS 5.0 is March 1991. MDAS Release 1.2 (fully compatible with LMS Release 5.0) goes to beta test in June 1991 with general release in August 1991. Based on past data reported by customers, we believe that most sites will be installing LMS 5.0 in the summer of 1991. Since MDAS Release 1.2 will be available in August 1991, and since it will install very quickly, we believe most MDAS users will not have any problems. If you anticipate implementing LMS Release 5.0 before summer 1991, call Jim Lewis at (708) 866-0143.

BULLETIN

Results of the Enhancement Ballot are here.

See page 3

ANNOUNCEMENTS

Documentation Services wants to serve you better

Documentation Services would like to serve you better. You can help by contacting us with any staff changes, or with any documentation distribution changes, such as *NOTISes*, User or Technical Updates.

Your help would be most appreciated. Please call Jutta Kehoe at (708) 866-0199. We thank you in advance for your cooperation.

Oops, we goofed!

We made a mistake alphabetizing your new Customer Directory. We accidentally put York University after Wesleyan University; it should go at the end of the directory.

We apologize for any inconvenience, especially to you at York, if you had trouble finding your name.

Going to a new version of MVS?

If your computer center will be going to a new version of the MVS Data Facility Product before you implement NOTIS LMS Release 5.0, then you should carefully examine Problem V490 in this issue's Troubleshooting section.

GTO CHARTS

First	OCLC's original database and software
PRISM	OCLC's new database and software
Net	OCLC's communication network
Passport	OCLC's new PC software
S/S	NOTIS's screen-to-screen transfer
GTO2	NOTIS's current GTO 2.1 release
GTO3	NOTIS's new GTO3 release (ready for beta mid-November)

Problem after hours? No problem!

You can call a systems engineer to help you resolve your technical problems 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.

Results: The 1990 LMS Enhancement Survey

As we announced at NUGM 1990, the responses to the 1990 LMS Enhancement Survey have been tabulated. There were 61 suggested enhancements, 55 of which received points in the "Priorities Overall" section of the survey.

The 5 top ranking enhancements, listed below, received 4 to 14% of the overall points. Also listed below are those which received between 2 and 4% of the total points. The balance of the enhancements received less than 2% each.

Description	# on Survey	Percentage
Location-based searching	#1	14.23%
Resequencing and deleting copy holdings statements	#24	7.32%
Serials predictive check-in	#50	5.38%
Course reserve indexes in the OPAC	#4	4.54%
File purge	#60	4.49%
Enhance patron charge index (HAS command)	#31	3.99%
Improve edit/entry capability in staff mode	#23	3.89%
Ability to relink o/p/r	#38	3.24%
Call number index in shelf list order	#13	3.20%
Change logic used for blocking activity in acquisitions	#41	2.83%
MHI batch dynamic update	#14	2.73%
Generalized bibliographic loader	#54	2.69%
Improve LOST book procedures	#29	2.59%
Enhance batch processing for circulation	#55	2.41%
Transmit electronically to other vendors using ANSI X.12	#39	2.36%
PC interface for downloading and printing OPAC search results	#11	2.27%
Enhance functionality of course reserve	#33	2.22%
Global change for authority records	#27	2.09%
Enhance functionality of recall/hold process	#30	2.04%

We extend our thanks to each site/consortium that completed and returned the Enhancement Survey. Although the result of the survey is not the only factor in NOTIS Systems' prioritizing for future development, it is a very important one in our deliberations.

Special thanks to the Special Interest Groups and their Chairs for their work in compiling the lists of enhancements for this survey.

A Release 5.0 Overview of NOTIS's LMS Online Control file

Customizing tables

Prior to Release 5.0, if you wanted to customize tables, an on-site programmer had to modify and reassemble the table values to meet the library's local needs. With the new Release, the LMST and LSYS programs will bring this customization under the control of the library systems administrator and operators authorized by the administrator; maintenance will no longer be programmer-dependent.

Release 5.0 will be easy to use because the

- locations and location codes
- bill and fine funds
- the library calendar

Establishing security access

The library systems administrator will establish operator security access through the Online Control file, similar to how the programmer does now, except in a more detailed way. The systems administrator uses the LMST program to control access to the LSYS program and, thereby, to the control areas listed in Figure 2.

Operators can be authorized access to the Control file by work unit (processing unit, service unit, or patron group). For each work unit profile, a terminal operator can be authorized to create and/or update specific types of records and fields. Access within a work unit can be further defined by authorizing specific groups of locations. If an operator needs access to more than one work unit, a security profile will be completed for each separate avenue of access.

We have retained pre-5.0 functionality and have made several enhancements. For example, create and update capabilities for fields, and field relationships within records are more explicit.

We have enhanced patron security so that access can be defined not only by patron group, which is the current functionality, but also by category within that group.

Security for item record fields will be split between processing unit and service unit. The item record fields that relate directly to circulation will

TABLE	CONTROL FILE
LC101TB3 - Patron Group	Patron Policy
LC103TBL - Patron Category	
LC101TB5 - B & F Reasons and Funds	Circulation Policy
LC102Tzz - Circulation Policy	
LC103TBL - Loan Codes	
LC104T - Security	Work Unit Security
LC105TBL - Location Code	Locations
LC106Tzz - Location Names and Details	
LC107TBL - Calendar	Calendars
LB071 - Purchase Order Address	Order/Receiving Unit
LC798 - Public Access Command and Message	On-Line Public Catalog

FIGURE 1
This figure lists the table numbers and names and their equivalents in the new Control file.

programs make use of function keys, prompts, and help screens. The associated online screens will prompt and guide system operators through the necessary steps for creating and defining security, circulation policies, locations, and much more.

Authorized operators will be able to define the following options:
- circulation policies
- patron policies
- loan codes
- security options

```
       NOTIS LIBRARY MANAGEMENT SYSTEM          LSYM01
       CONTROL INFORMATION MAINTENANCE MENU


                 T Y P E   O F   C O N T R O L

    1.  Work Unit Security           8.  GTO Record Transfer
    2.  On-Line Public Catalog       9.  Currency Conversion
    3.  Calendars
    4.  Locations
    5.  Circulation Policy
    6.  Patron Policy
    7.  Order/Receiving Unit




    Select number of function and press ENTER:
    CLEAR=EXIT                              PF1=HELP
```

FIGURE 2

```
        ADD INDIVIDUAL SECURITY PROFILE I.D.          LSCA01


        Last Name:
       First Name:
   Middle Initial:
    Operator I.D.:


                    Associated Work Unit (enter only one):
                            Processing Unit:
                              Service Unit:
                              Patron Group:


      Optionally, copy from Operator I.D.:
                  or Operator Last Name:
                      (and) First Name:



Type all required information for New Operator and press ENTER.
CLEAR=EXIT        PF1=HELP        PF3=EXIT        PF4=RETURN
```

FIGURE 3
Information on a particular operator can easily be added. Note the available work unit options.

```
              ADD INDIVIDUAL SECURITY PROFILE I.D.              LSCA01


        Last Name:
       First Name:
   Middle Initial:
    Operator I.D.:


              Associated Work Unit (enter only one):
                        Processing Unit:
                          Service Unit:
                          Patron Group:


        Optionally, copy from Operator I.D.:
                    or Operator Last Name:
                         (and) First Name:




Type all required information for New Operator and press ENTER.
CLEAR=EXIT          PF1=HELP          PF3=EXIT          PF4=RETURN
```

FIGURE 4

```
              VIEW PATRON CATEGORY:  POLICY VALUES              LPCV03
                        PATRON GROUP:  NL

Patron Category:  Fac    Name:  Faculty     Print on batch products: Y

Special Category Type: N  Lost    (retains previous charge information)
                       N  Missing (lists item on search list)
                       N  Carrel

OPAC Messages:N Display predefined messages(Special Category Types only)
              N Display message from 'OPAC MESSAGE' field of patron record

Patrons may:Y Place holds on items      Y  Renew overdue items
            Y Place recalls for items  N  Place rush recalls for items
            1 Number of days after rush recall placed to set new due date

ID block limits:    0  Maximum items charged   0  Maximun overdues
               $   0.00  Maximum fines              0  Maximum overdue recalls

 Number of days prior to due date to print Courtesy notice:   0
 Prompt operator before allowing recharge of charged items:   Y

 CLEAR=EXIT          PF1=HELP          PF3=BACK          PF4=RETURN
```

FIGURE 5

only be accessible to operators who are authorized through Service Unit security. Other fields will be accessible through Processing Unit security. If any staff member is allowed access to all fields of the item record, then both processing unit and service unit security profiles will need to be defined.

Help is available from every screen

The PF1 function key is available at the bottom of each screen in the Online Control file for help on that screen's procedures and functions. When the PF1 key is pressed, the Help screen appears, as illustrated in Figure 4, providing online instruction to the operator.

OPAC provides you with local control

The Release 5.0 restructuring of the Online Public Access Catalog (OPAC), in conjunction with table changes, provides both the library and librarians with more control over the OPAC and displays. For example, LSYS enables you to have local control over validating searches, choosing the default to the long or brief view of search information, customizing contextual help screens, non-contextual tutorial and informational screens, and much more. Generic news, help, and instructional screens are provided with the new Release to use as models.

Changes in locations control

With Release 5.0, location codes, display names, group assignments, and associated values can now be created and maintained online. As with security, enhancements have been made to locations control. The major change is that locations, previously defined by processing unit, are now defined by institution group.

The ability to use any given location can be controlled by the appropriate work unit. A cautionary note: libraries need to exercise care when deleting locations. A location number that is used in item records is system-assigned, and careless deletion could cause future problems.

With the new release, NOTIS Systems is providing a conversion program for locations, which is designed to preserve the system-assigned location numbers already in use in existing item records.

Patron group and category values can be controlled online

Patron Policy values can now be maintained online with Release 5.0. Patron Category values can be completely controlled using LSYS programs. Patron Group values may also be controlled online. However, since Patron Group codes affect CICS transactions, the Group codes

must still be set up by the local programmer before they can be used. Items relating to organization identification fields and requirements are accessible through the LSYS program.

Through patron category screens (see Figure 5), values can be assigned for each specific category, such as values for maximum items charged, maximum overdues, and recall eligibility.

Circulation policies are more flexible

Perhaps of greatest importance is the control available to the library through the use of policies screens. The variety of new options will greatly benefit the operator. For example, the Situations screen allows up to four different circulation policies, each with specific start dates to be defined for each situation. Like the other control file options, these policies and dates can be maintained in real time. The View option can help in problem-solving. Circulation policies can be accessed by location, policy number, and by patron group and category.

In the loan policy, items are allowed to be charged and discharged. There is a also a system of checks built into these screens. For instance, if a loan policy states 'N' or 'no' under 'Allow items to be charged,' a value cannot be entered in the Loan Period field. The two items must agree for the

policy to be valid and for the screen to be updated. With the loan/overdue policies screen, a second screen is available by using the PF8 function key.

Other options that you can control

Also of importance to circulation is access to and control of the calendar values, calculating fines, and loan periods. Also available is the ability to create, update, view, and delete calendars, as well as archive historical values. Up to 16 periods can be defined for each calendar and maintained online.

In addition, the Order/Receipt unit option allows the authorized operator to maintain 'bill to' and 'ship to' addresses online and in real time. Previously, this information as well as the currency conversion and GTO information tables, had to be entered and updated by the programmer. The Online Control file makes each of these functions accessible to the library, allows for immediate implementation, and thereby makes the functions much more useful to the library and its patrons.

A new era in access begins with Release 5.0. The Online Control file provides direct control to the system operator. The Control file's user-friendly screens and the changes in access facilitate detailed and immediate implementation of many local options.

Special thanks to Beth Warner, Systems Analyst, for her guidance and contributions to this article.

AOVL and BOVL:
What they can do for you

by Ann Greenseth
Conversion Services

AOVL/BOVL is a powerful product for overlaying existing records with NOTIS online records

The Authority Record Overlay/Bibliographic Record Overlay product (AOVL/BOVL) is a derive overlay enhancement package that you can use within the NOTIS Library Management System. AOVL and BOVL are NOTIS commands that enable you to overlay existing authority or bibliographic records with data derived from, or copied from, other NOTIS online records.

Uses of AOVL and BOVL

The AOVL command is used in conjunction with authority records and the BOVL command is used in conjunction with bibliographic records. The BOVL command is commonly used to replace provisional records with data from a local online resource file.

For example, if the target record is provisional in format and created to input holdings and acquisitions information, and the source record is a complete bibliographic record from either a MARC tape or other online resource, then you can use the BOVL command to overlay the provisional record with the bibliographic data from the source record.

AOVL and BOVL can also be used for "database cleanup," to replace incorrect or incomplete records with accurate or complete data from other online records. But, you can only use AOVL and BOVL in conjunction with online resources.

Source and Target Records

The source record is not changed by the overlay process; it serves only as a model. The target record is changed by the overlay process. The only bibliographic information that is retained in the target record is the record key, the creation date, and the processing unit code; however, the target record's holdings are not affected by the overlay process. The original target record is written to a recovery file, where it can be retrieved if an error has been made.

You can overlay a target record with data from a source record when the records are in the same processing unit, different processing units in the same institution group, or in different institution groups running under the same CICS region. The AOVL and BOVL commands are site-controlled through the Security Tables.

For further information regarding the AOVL/BOVL product and its cost, contact Bill Easton at the address shown on the left.

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Questions and Answers about GTO

Note: A version of this article originally appeared in the November 1989 issue. We are re-issuing it with some additions and modifications, especially for those customers with questions about GTO and OCLC's PRISM system.

GTO in its current release (2.1) is compatible with NOTIS Library Management System (LMS) Release 4.6.1 and KeyNOTIS Release 1.0.

GTO Release 3.0 will be compatible with LMS Releases 4.6.1 and 5.0 as well as KeyNOTIS Releases 1.0 and 1.1. GTO Release 3.0 will be shipped to all existing GTO users in December 1990 as part of their annual maintenance fee.

A reminder for those sites who have not yet purchased GTO: new pricing for GTO takes effect 1/1/91; see the box below.

Q. We like the OCLC screen transfer we now have. Why should we use GTO?

A. GTO-OCLC provides several benefits.

First, you can improve productivity by reducing keystroking. GTO allows you to locate an OCLC record and then press two keys at the utility terminal to transfer the record. GTO does not require that you edit the OCLC record before the transfer. With GTO, you do not have to delete lines, delete I w subfields, etc. Following a GTO transfer session, you can then go immediately to a NOTIS terminal to work on the transferred records or you can deal with

them at a later time.

Second, GTO creates more parts of the NOTIS architecture automatically. You can not only transfer all of the bibliographic data, but you can also create copy holdings records with NOTIS location codes, call numbers, and size designators and volume holdings records with your holdings data. [GTO Release 3.0 also works with the new USMARC Format for Holdings and Locations that will be introduced with LMS Release 5.0 and KeyNOTIS Release 1.1.] Control of data placement in the holdings records depends upon how you have set up the online system control file. This file consists of user-friendly menu screens that allow you to control the placement of data in the NOTIS holdings records. See the May 1990 issue for more information on this new feature of GTO Release 3.0.

Third, all bibliographic records created in your NOTIS database through GTO are indexed online. Immediately after the transfer, you can retrieve the new NOTIS record by any heading or standard number--GTO Release 3.0 makes the standard number index online.

Fourth, there are cost savings. You can connect up to 16 utility terminals (15 if you use a 7171 telecommunications controller) to one GTO microcomputer. This allows you to find other uses for the NOTIS terminals that you now cable directly to OCLC terminals.

Q. Is GTO supposed to be used by acquisitions or cataloging staff?

A. GTO can help either or both groups. For example, an acquisitions department might

transfer in bibliographic records in order to create NOTIS order/pay/receipt records and the cataloging department might edit the bibliographic record after receipt. An alternative is for the acquisitions department to create provisional records that are then overlayed by the cataloging department—GTO Release 3.0 allows you to define on an online menu screen what fields should be retained during overlay (for both bibliographic and authority records). You have the flexibility to decide how you want to use GTO in your library.

Q. In using the OCLC screen transfer, we have always edited OCLC records at the OCLC terminal before transferring. Can we continue to do that with GTO?

A. Yes, but the type of editing required in order to perform the screen transfer (e.g., the right number of lines on the screen, etc.) no longer has to be done. And, of course, the resulting NOTIS records may be edited at any time.

Q. If I don't have a NOTIS terminal hooked directly to the utility terminal, how do I know the record transferred?

A. The GTO microcomputer shows a count of records as they pass through to the mainframe. Approximately 20 seconds after the transfer, the record is fully indexed and retrievable in the NOTIS database. Also, with GTO Release 3.0, the report showing the records transferred will be printed online (rather than the current batch operation) at a system printer. This report shows error messages and records that were not transferred.

If you're using RLIN, all of the above applies, but RLIN (since it

actually transfers a record through the PASS command) also displays a message on the utility terminal screen indicating that a record transfer has occurred. OCLC's PRISM will provide a similar structure that validates the record before it is transferred and displays a message on the OCLC terminal that the record has been successfully transferred.

Q. Why can't NOTIS continue to offer the OCLC screen-to-screen transfer?

A. NOTIS will support the OCLC screen-to-screen transfer program until OCLC has completed implementation of PRISM. Once OCLC has declared PRISM to be in full production, NOTIS cannot support the screen transfer and will no longer distribute the program to new customers.

There are two reasons—technical and cooperative—that required this decision.

Technical Reasons

PRISM will not pass records to a local system via the current method, i.e., reading the screen display. Rather, the full MARC record will be sent online as a result of an operator issuing a record transfer command. A screen transfer reads only what is on the screen. A record transfer actually passes out the complete record using the actual computer form of the record which typically contains more data than is shown on a screen. This results in a more precise transfer of data.

In addition, PRISM will have a variety of screen formats. It will display records in different formats and permit OCLC to easily modify them. It is not possible for NOTIS to maintain the screen transfer program for

all of OCLC's new screen formats or to alter the program as quickly as OCLC may change its screens.

Cooperative Reasons

NOTIS wants to be sure that all of the capabilities of PRISM and the NOTIS system are available to users. The functionality that OCLC will provide with PRISM has increased as OCLC has discussed various issues with local system vendors. OCLC believes that a record transfer capability is the preferred method for downloading records into local systems. It is in the best interests of NOTIS customers for NOTIS to cooperate fully with OCLC just as NOTIS does with RLIN by utilizing its PASS command with GTO-RLIN.

Q. But I understand that OCLC will offer a screen capture capability with PASSPORT, the microcomputer package used on the OCLC workstation. Why can't you use that to maintain the screen-to-screen transfer program?

A. OCLC will offer what it calls a "save screen" capability in order for an operator to record the screen image on a diskette in ASCII format. The capability is designed to be used with word processing applications. NOTIS has discussed this issue with OCLC and we have been advised that the "save screen" is not a good solution for downloading to a local system. The record is not in MARC format, it is a screen image only, and it is not validated in any way. OCLC definitely recommends using the record transfer command capability created for its new system.

Q. We already have OCLC's new PASSPORT software. Does the current release of GTO work

with it? Will GTO Release 3.0 work with PASSPORT? And what about CATME—OCLC's software that will replace the Microenhancer? And what about PRISM? Will the current or the new GTO all come together with the current and future OCLC software?

A. The answer is "YES" to all.

The current release (2.1) of GTO-OCLC works with PASSPORT. GTO Release 3.0 works with PASSPORT and with CATME. The current release of GTO does not work with PRISM, but GTO Release 3.0 will work with both the current OCLC system and with PRISM. The online menus for GTO have two sets for OCLC—one for the current system and one for when you switch to PRISM. Just fill in the PRISM menu and once you switch to PRISM, GTO continues to function smoothly.

Q. What CD-ROM products can I use with GTO?

A. GTO Release 3.0 has a new module that works with any CD-ROM MARC database with a record export capability. At the present time, we have tested GTO-CD/ROM with Bibliofile and the Library of Congress' CD-ROM. Both work with no problems. We will also be testing OCLC's CD-450 and UTLAS' CD-CATTS. (LaserQuest was tested and did not work—its records do not have an 001 field which is required by GTO for transfer processing.)

If you use or are considering using other CD-ROM products, please call Stuart Miller at NOTIS at (708) 866-0171 and let him know the name of the product and its vendor.

A reminder to current GTO users considering purchase of the CD-ROM module: a price

increase takes effect 1/1/91. See the box below.

Q. Why do you need a microcomputer for the record transfer? Couldn't you just write mainframe programs to take care of a record transfer? Why do I need to buy a micro?

A. Using a microcomputer for the transfer process has several benefits.

First, the GTO microcomputer acts as a flow control point for the data. The GTO microcomputer program senses the arrival of a record and automatically issues the commands to pass the record to the mainframe without further action by the operator.

Second, the GTO microcomputer allows for independent operation and storage of records if your mainframe or telecommunications link is not available. If, for example, your mainframe is down for maintenance, utility terminal operators can continue to transfer records. Once the mainframe comes back up, the records transfer automatically.

Third, the use of microcomputers to contribute to function is a growing trend. All OCLC terminals for PRISM will be via microcomputers; RLIN is encouraging its users to move from dedicated RLIN terminals to microcomputers. We need to be sure that the NOTIS architecture evolves with the industry because we want you to have an up-to-date system.

Finally, by developing GTO so that it requires only one microcomputer to support 15 or 16 utility terminals, we have taken an economical route for the introduction of microcomputer technology. A total investment to support 15 or 16 utility terminals is approximately $3000. You can

also choose a variety of IBM microcomputers, so you can shop around for the best value.

Q. I have a PS/2 that I want to use for the GTO microcomputer, but it's a model with an MCA bus. Can I use it?

A. Yes. We have found that a new HOSTESS™ board (used to connect your utility terminals to the GTO microcomputer) is compatible with the MCA bus and works with GTO. You are no longer limited to the PS/2 Model 30s with the ISA bus. If you order a HOSTESS™ board from NOTIS or another supplier, make sure you specify whether you want ISA or MCA boards.

Q. I thought I once heard that GTO could not handle authority records. Now I hear that it can, but there are problems. What's the situation?

A. GTO-RLIN handles authority records with no problems. GTO-OCLC also handles authority record transfers, but it does not put the ǀw subfield at the beginning of a field as it should. GTO Release 3.0 fixes this problem. Records with incorrect positioning of ǀw subfields can be edited online. See the October 1989 issue of *NOTISes* for more information.

Q. I've heard that GTO stops after a certain number of records have been transferred. Can I only transfer a fixed number of records at a time?

A. No. You can transfer as many records as you want during a session. In an earlier release, some users reported that after about 170 record transfers, no more records could be transferred until the GTO microcomputer was shut down and then rebooted. This problem was fixed several months ago (see the May 1990 issue), a

corrected diskette was sent to all current users, and the fix was incorporated into the product sent to all subsequent purchasers.

Q. I'm concerned about the workflow implications of GTO. What has been the experience of other users?

A. Basically, very positive. For example, staff at the University of Texas at Arlington reports that GTO has resulted in productivity gains and that they would not want to return to the screen transfer. Staff at the University of Iowa (an RLIN user) also reports satisfaction with the product. Customer reaction to the new features available with GTO Release 3.0 has been very positive.

Q. What happens if the mainframe computer or your telecommunications link goes down while you're transferring records? Do you have to stop and then restart everything, including the GTO microcomputer?

A. No, you just keep on transferring records because the GTO microcomputer writes every incoming record from the utility to the microcomputer's hard disk. If the GTO microcomputer does not get a response from the mainframe for whatever reason, it automatically enqueues all records on the hard disk. Once the mainframe responds, the records are transferred out automatically. You do not have to reboot the GTO microcomputer except when you turn it on for the day. To start up the GTO microcomputer, you type only two commands.

Q. I understand that the GTO overlay process is automatic. This makes me nervous.

A. Yes, the process is automatic. But overlay with GTO Release 3.0 will be controlled

through the online system control file menus as illustrated in the May 1990 issue. You may specify what fields (if any) to retain in your bibliographic and authority records and whether or not you want overlay on your holdings records. (You also specify if you want the heading use codes in the authority records to be affected or not.)

If your usual defaults need to be changed to handle the overlay of a special group of records, you change the online menus, perform your transfers, and then change the online menu back to the usual configuration. The menus update online in real time.

Q. I saw the GTO Release 3.0 online menus at NUGM in October, but it looked as though they were part of the online system control file that's part of KeyNOTIS Release 1.0 and the LMS Release 5.0. How will it work with LMS Release 4.6.1?

A. If you have LMS 4.6.1 when you install GTO Release 3.0, you will get a new transaction: LGTO. This will give you access to the GTO online menus. Once you install LMS Release 5.0, LGTO will be replaced by the online system control file (the LSYS transaction). The data you entered in the menus will be carried over so that you will not need to rekey any values.

Q. Who can I talk to at NOTIS about GTO?

A. Contact your NOTIS Marketing Representative or call (708) 866-0156 and ask to speak to a Product Specialist about GTO.

GTO Prices

1990 GTO Pricing

GTO Base Pricing	$10,000
Annual Maintenance	$1,500
Additional Module	$5,000
Additional Module Annual Maintenance	$500

1991 GTO Pricing

GTO Base Price	$12,500
Annual Maintenance	$1,875
Additional Module	$6,250
Additional Module Annual Maintenance	$625

Library to receive new catalog system

By Jill Nickerson
Staff Reporter

NOTIS is viewed as an improvement in services at Oklahoma State University

Oklahoma State University students who procrastinate about doing research papers because they cannot find information easily enough in the library may need a new excuse next fall.

The Edmon Low Library is going from a card catalog system to an automated system, said Ken Bierman, assistant university librarian for technical and automated services.

The Oklahoma A&M Board of Regents approved a contract Friday with NOTIS, a vendor of automated library systems, Bierman said. They hope to have the contract signed by the end of the month, he said.

The software will cost $200,000, which is paid in part from the library budget and the rest from the university as a whole, Bierman said. He said the library will be paying the cost over two years.

The system, which Bierman said should be completed by fall of 1991, is a means of putting the card catalog information into an electronic system for quick search and retrieval.

"It means instead of going to a card catalog, where you might not know the exact author, title, or spelling, you could go to a computer terminal and type in the closest reference you know, and the computer would do a search for you," Bierman said.

Initially, there will be about 20 to 25 terminals, and later, the number will increase, Bierman said. The card catalog will remain.

"Users will also be able to dial in from home to search a subject, if they have a microcomputer of their own, or access to the university's mainframe computer system," he said.

"For some people, it (the automated system) may seem a little difficult at first because they're learning something new," he said. "But this new system is very easy to use; it's designed to be used by the general public."

This summer, library workers took time to white out every library card that displayed a student's social security number due to a state law that says there cannot be public access to someone's number.

"By fall of 1992, we hope to have a circulatory-control system, where books will have bar codes instead of a user having to write their name and address on the card," Bierman said.

Bierman said another advantage of the catalog system is that access to other NOTIS library systems in Oklahoma will be available through the system.

"Basically, this system is what many libraries are moving to particularly the larger libraries," said Dan Marmion, head of library systems. "The library profession as a whole, specifically here at OSU, recognizes this as a positive step."

"We're looking forward to this. It's an improvement to our services," Bierman said. "I know people are going to like it."

Reprinted with permission from the Daily O'Collegian, Oklahoma State University, Stillwater, Oklahoma, Wednesday, October 10, 1990.

NOTISPRO available on LISTSERV@UICVM

The University of Illinois at Chicago Computer Center and University Library announce the availability of a national filelist of programs submitted by the programming and library staffs of the NOTIS licensees. The list is called NOTISPRO, and it contains SAS routines, PL/I programs, and assembly language code. Programs are submitted by sending them via BITNET to UIC NOTIS (U39328@UICVM).

Each program should include brief comments explaining its use along with the name of the submitter so that questions can be directed to the author. UIC takes no responsibility for the quality or quantity of programs submitted.

In recognition of the fact that some NOTIS licensees do not have access to BITNET, UIC is willing to download programs to microcomputer diskette. Those wishing to use this service should send a formatted diskette and a self-addressed diskette mailer to:

Paige Weston
UIC University Library
Box 8198 m/c 234
Chicago IL 60680

Please include a list of the programs to be supplied.

Those who wish to submit programs by diskette should send the diskette to Paige Weston at the same address. The NOTISPRO FILELIST (the list of programs) will be sent to NOTISes from time to time. Here is the current filelist:

- NOTISPRO FILELIST for LISTSERV@UICVM.
- List of NOTIS-related programs
- This file lists the programs that are stored on LISTSERV and can be retrieved by network users. Programs can be retrieved by all network users.
- Welcome to the NOTIS programming list, NOTISPRO. NOTISPRO contains programs submitted by the programming staff from among the NOTIS licensees. The list contains SAS routines, PL/1 programs, and assembly language code; submitters are responsible for answering questions about their own programs.
- Programs may be submitted by sending them via BITNET to U39328@UICVM. Programs may be requested via BITNET by asking LISTSERV to send program files.
- If an entry shows nrecs=0, then the file is not available.
- This filelist may be sorted in columns 47 to 63 to get a list of files in the order of their updates. Sorting in descending order shows the most recently updated files at the top.

FILENAME	FILETYPE	NRECS	DATE	TIME	FILE DESCRIPTION
PATRREC	SAS	113	88/12/04	00:41:20	FCLA patron labels
TAGSUMM	SAS	106	88/12/04	00:41:09	FCLA tag summ by inst gp
CICSREP1	SAS	302	88/12/03	22:54:36	FCLA CICS usage by inst
CICSREP2	SAS	370	88/12/03	23:01:34	Usage by function
RESERVES	SAS	1368	89/10/02	16:01:37	Lists reserves
FINEJNL	SAS	509	89/04/28	21:24:34	Fines list
RESSTAT	SAS	182	89/04/28	17:13:17	Reserve stats
CALNUM	SAS	162	89/05/12	16:21:58	Call numb report
DEBTORS	SAS	386	89/04/28	17:18:42	Patrons owing fines
READ	ME	11	89/11/20	12:14:30	
CIRCSTAT	SAS	1233	89/08/22	11:52:06	Circulation statistics
FISCYEAR	SAS	382	89/08/22	13:18:25	Fiscal year rollover
CIRCHIST	SAS	172	89/09/26	12:13:15	Circ hist stat report
ITEMFLAT	SAS	212	89/09/26	15:59:57	Make flat item file
ITEMEXTR	SAS	77	89/09/26	16:20:29	Circ hist item extract
CIRCLOCN	SAS	195	89/09/26	16:27:48	Circ hist by location
CIRCSERV	SAS	195	89/09/26	16:26:32	Circ hist by serv/unit

FILENAME	FILETYPE	NRECS	DATE	TIME	FILE DESCRIPTION
CIRCPATR	SAS	195	89/09/26	16:24:48	Circ hist by patron category
PB686JOB	JCL	128	89/09/26	16:54:29	List duplicate patron ID's
PB686BAL	ASM	148	89/09/26	16:56:10	Make patron ID file
PATEX	SAS	162	89/10/11	12:44:12	Patron file extract
SAREXSAS	SAS	464	89/10/30	15:32:27	List materials on reserve
BIB	SCRIPT	280	89/10/30	15:34:02	Bibliofile overlay flowchart
NLC	SCRIPT	259	89/10/30	15:35:27	Nat.Library Canada flowchart
BIBFILE	OVERLAY1	1500	90/06/18	11:07:17	jcl, programs, etc.
BIBFILE	OVERLAY2	2368	90/06/18	11:05:45	jcl, programs, etc.
FUNDRPRT	SAS	348	89/11/17	12:08:06	Fund report
INVOICES	SAS	182	89/11/17	12:18:09	Expenditures by fund
ORDERLST	SAS	393	89/11/17	12:16:50	Orders report with titles
ITEMUPDT	SAS	80	89/11/17	12:15:44	Item record updates
PATRONS	SAS	139	89/11/17	12:14:25	Change patron category
CATSTATS	SAS	235	89/11/17	12:13:04	Monthly cataloging statistics
AUTHDEL	PLI	247	89/12/06	15:35:15	Removes auth recs by type
LIBMAIL	BLURB	236	89/12/07	09:20:51	
DAILYBF	SAS	236	90/03/19	15:28:19	Bill & fine transctn details
OPRPT	SORTER	194	90/03/27	10:13:39	Sorts operatns rpts by call#
BFREPT	SAS	584	90/06/01	12:45:07	Daily bill & fine $ report
NOHITS	SAS	123	90/06/01	13:08:50	Title srchs that made no hits
OPACTIME	SAS	153	90/06/01	13:10:19	Graphs usage of partic termnl
OPACSTAT	SAS	181	90/06/01	13:11:05	Simplified monthly LUIS stats
TRANLOG	SAS	203	90/06/01	13:12:29	OPAC transaction log
OWESFIX	SAS	390	90/07/03	15:19:17	Sets patron "owes"=B&F reckng
OVRDUFIX	SAS	172	90/07/03	15:26:54	If chrgs=0, resets overdues=0
BFSUMM	SAS	586	90/07/03	15:35:31	Summarizes B&F transactions
SEREXPND	SAS	522	90/07/18	13:22:34	Serials expenditures by FY
PATRNBLD	PLI	830	90/07/25	08:48:32	Sample patron file prep
ORDVND	SAS	435	90/08/31	14:34:38	Ordrs by vendor within fund
OVEND2	SAS	402	90/08/31	14:41:09	Ordrs by fund within vendor
ORDFND	SAS	371	90/08/31	14:44:36	Ordrs by fund within procun
SSUBANL	SAS	347	90/08/31	15:58:03	Counts clssd/unclssd serials
MISSANAL	SAS	206	90/09/01	09:36:15	Items chrgs to "MISS"ing
NOCALL	SAS	115	90/09/01	09:38:51	Lists records missing call#s
OVLYUTIL	COBOL	146	90/09/01	09:41:50	Customizes LD03S
KWBMAKER	COBOL	192	90/09/01	09:44:18	To add usermast/userappn rex
CLAIMAL	SAS	558	90/09/01	09:46:46	Produces claim alert list
	SAS programs in support of NOTIS				
	submitted by Bill Turner (WRT @ CORNELLC)				
SAS	PROGS	24	89/09/25	16:28:53	LIST OF PROGS
ADDFUND	SAS	60	89/09/25	15:51:01	Add fund info to SAS dataset
DATEINIT	SAS	23	89/09/25	15:51:46	Initializes Date File
ENDWVCH	SAS	395	89/09/25	15:54:25	Voucher printing
FARPT01	SAS	525	89/09/25	15:56:24	Daily Invoice Control Report
FARPT02	SAS	186	89/09/25	15:57:04	Univ Acct Balance Report
FARPT03	SAS	60	89/09/25	15:57:48	Fund listing by group
FARPT04	SAS	63	89/09/25	15:58:24	Fund listing by selector

FILENAME	FILETYPE	NRECS	DATE	TIME	FILE DESCRIPTION
FARPT05	SAS	63	89/09/25	15:59:02	Fund listing by budget id
FARPT09	SAS	464	89/09/25	16:04:29	Fund balance for Coll Dev
FARPT10	SAS	392	89/09/25	16:05:03	Unapproved invoices
FARPT17	SAS	452	89/09/25	16:05:40	Approved Invoices
FUND	SAS	112	89/09/25	16:06:19	Read Fund Records
FUNDFLD	SAS	120	89/09/25	16:06:57	Process Fund fields
FUNDTYPE	SAS	41	89/09/25	16:07:33	Classify Funds by Type
INVFLD	SAS	189	89/09/25	16:08:11	Process Invoice/Voucherfields
INVOICE	SAS	88	89/09/25	16:08:47	Read Invoice Records
ORDER	SAS	120	89/09/25	16:09:16	Read Order Records
PODUP	SAS	43	89/09/25	16:09:54	Duplicate Purchases Orders
PRODCICS	SAS	108	89/09/25	16:10:37	Activity Report from CICS
STATVCH	SAS	170	89/09/25	16:11:13	Voucher Printing - State form
VOUCHER	SAS	65	89/09/25	16:11:42	Read Voucher Records

Questions should be directed to Nancy John (U31452@UICVM)
or Paige Weston (U50343@UICVM)

USING NOTISPRO

To receive files, direct a request to the LISTSERV@UICVM. Requests to LISTSERV can be sent by online messages (TELL command in VM/CMS) or by electronic mail. The content of the message should be a valid LISTSERV command. To receive the current list of files on NOTISPRO, send one of the following commands:

1. tell listserv@uicvm send notispro filelist OR
2. in a note to LISTSERV@UICVM, type the following message only:
   send notispro filelist

Once the FILELIST has been received, you will know the names of the available files and may request that the LISTSERV send you any or all of the files. Do this as described below. If the program you want is named RESERVES SAS, then
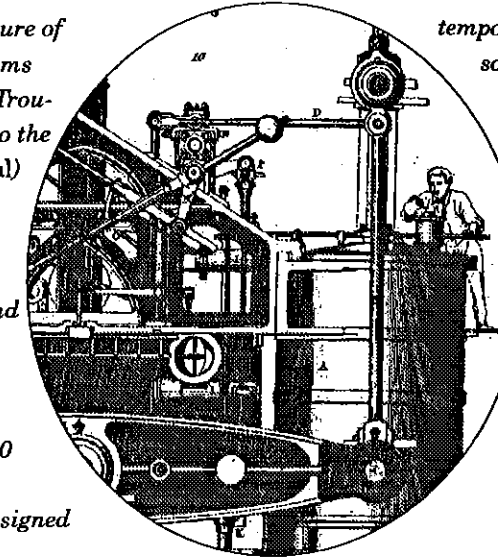
1. tell listserv@uicvm to send reserves sas, OR
2. in a note to LISTSERV@UICVM, type the following message:
   send reserves sas

Questions on all aspects of NOTISPRO can be sent to Harriet Gorny (U35049@UICVM), Michael Sperberg-McQueen (U18189@UICVM), Paige Weston (U50343@UICVM) or Nancy John (U31452@UICVM), but please send your electronic requests for programs to the LISTSERV@UICVM, not to Harriet, Michael, Paige or Nancy!

Troubleshooting

by Jerry Specht, Chief Systems Engineer

This column is a regular feature of NOTISes. As we encounter problems which we plan to include in the "Troubleshooting Guide" (Appendix E to the Installation & Operations Manual) we list them here in NOTISes so you won't have to wait for a new release in order to be aware of them. If you have suggestions, send them to Jerry Specht.

We recommend that you take these troubleshooting pages and append them to the February 1990 "Troubleshooting Guide."

The problems have been assigned temporary numbers beginning with V400, so that they will be in sequence. Periodically, we will issue an updated index which will include both these problems and the ones already in the guide. Once per year we will send you an entirely new guide in which all of the problems that have appeared in NOTISes since the last publication of the guide will be integrated and assigned permanent numbers.

V485 Problem: PPP8876
You get an **abend 665C** trying to discharge a withdrawn item.

Causes/Solution:
Withdrawn items appear in the patron charge index when first charged out, but disappear when the LD005 batch regeneration is run. The following changes six lines after the label A010 in LD005BAL will cause withdrawn items to be included in the regenerated patron charge index.

```
        CLI     COOSTAT,C'A'
        BE      A020            insert
        CLI     COOSTAT,C'W'    insert
        BNE     A010
        DROP    R3
A020    EQU     *               insert
        BAL     R8,COODATA
```

These changes will be included in the 5.0 version of LD005BAL.
For causes of abend 665C involving items that are not withdrawn, see Problem 2066.

V486 Problem: PPP9933
When you run **LB240/LB350** (LC subject authority tape load) multiple times, you find that **duplicate records** are created.

Causes/Solution:
Have you run the LB320 standard number index generation between your runs of LB240/LB350? You must.

V487 Problem: PPP9785
You get an abend (such as **abend 6202**) which indicates a failure of a DFHFC GETNEXT command.

Causes/Solution:
Have you specified SERVREQ=BROWSE for the file that is being accessed? You must.

V488 Problem: PPP9811
When you try to create a patron record you get an **abend 532Y**.

Causes/Solution:
Have you run out of extents in the VSAM cluster for the patron file? Or have you run out of VSAM space on the disk?
Check the patron file housekeeping record. Examine the last 4 bytes. The last byte is always X'C1'. Take the three bytes prior to that and convert them from hex to decimal. This should be the highest record number in the file. If it is not, you need to run LB990 to reset the housekeeping value. The key

Boldface type in the problem description indicates index terms and/or main topics.