RELEASE 4.5 READY TO GO

September 30, 1988 is the official release date for NOTIS 4.5.

NOTIS Systems Engineering will begin preparing and shipping the 4.5 tapes September 30. Sites can expect to receive their 4.5 tapes during October. Please contact your NOTIS Systems Engineer if you would like to be placed on a high priority list for shipment of 4.5 tapes.

Once you have received NOTIS 4.5, contact your NOTIS Systems Engineer if you encounter any installation problems. Contact your User Services Librarian if you have questions about functions new to NOTIS with Release 4.5.

Installation instructions will accompany the 4.5 tape.

User documentation for the 4.5 features was shipped in June 1988. Additions to the NOTIS Programmer’s Reference Manual were also shipped in June. Revisions to the NOTIS Installation & Operations Manual and the NOTIS Library Implementation Manual should reach you shortly. Other 4.5 program documentation will be shipped in the coming months.
RELEASE DATE NEARS FOR ONLINE RLIN RECORD TRANSFER (GTO-RLIN)

NOTIS Systems Engineering reports that beta testing of an entirely new release of the Generic Transfer and Overlay utility for RLIN records (GTO-RLIN) has gone very well. They expect to announce an October date for the release of the GTO-RLIN product.

NOTIS GTO-RLIN provides an easy way to transfer bibliographic and holdings data from the RLIN database into a NOTIS database.

NOTIS GTO-RLIN is ideal for transferring selected records, one at a time, into a NOTIS database from the RLIN bibliographic utility.

A NOTIS terminal operator initiates the transfer using the RLIN "pass" command. The GTO-RLIN programs pass the RLIN data to a dedicated "gateway" microcomputer outfitted with NOTIS hardware and software. The micro passes the data to special, customizable software on the NOTIS mainframe. NOTIS mainframe software converts the data into NOTIS/MARC format, and the newly-created or updated NOTIS record is immediately accessible for further processing.

OPTIONS: BASIC AND ENHANCED

The basic GTO-RLIN package converts RLIN records into NOTIS records without any institution-specific modifications other than table entry of holdings codes.

The enhanced GTO-RLIN package includes all the functions of the basic package with the addition of specific modifications (e.g., special field mapping) required by an institution.

HARDWARE REQUIREMENTS

Here is the current equipment list for NOTIS GTO-RLIN. The list assumes a library is already online to RLIN. The configuration described is the only GTO-RLIN hardware NOTIS supports.

Microcomputers

In order to run GTO-RLIN a NOTIS site must have a microcomputer dedicated solely to this function. GTO-RLIN runs on either of two IBM models:

- IBM PC/AT
- IBM PS/2 Model 30

Microcomputers used for GTO-RLIN must, at a minimum, have the following:

1 Floppy disk drive
20 megabyte hard disk drive
DOS 3.3 640K on motherboard
Internal clock/calendar

Mainframe Connection

The GTO-RLIN microcomputer must be connected to the NOTIS mainframe either directly via coaxial cable or remotely via a telecommunications link.

Connection to the NOTIS mainframe via coaxial cable requires a PCOX/ONE 3278 Emulation Board. NOTIS supplies the PCOX/ONE board along with instructions for installing the board in the microcomputer.

A remote link would consist of a modem, telephone line, and a 7171 communications controller. If the microcomputer is connected via dial-up link to a 7171 telecommunications controller, the PCOX/ONE 3278 Emulation Board is not needed.

Hostess Multiple Port Serial Adapter

The NOTIS GTO-RLIN package includes a serial adapter and instructions for installing the adapter in the microcomputer. The serial adapter allows connection of one or more RLIN terminals to the GTO-RLIN microcomputer. The multiple port serial adapter is available in four-port and eight-port models. The adapters can be combined in various ways to support up to sixteen RLIN terminals.

If the GTO-RLIN microcomputer is connected to the NOTIS mainframe via a telecommunications link, one serial port must be reserved for this connection.

Cables

One RS-232 25-pin shielded cable is needed to connect each RLIN terminal to the GTO-RLIN microcomputer. The exact wiring specifications of a connecting RS-232 cable are a function of the input/output characteristics of the serial ports of the GTO-RLIN
microcomputer and the RLIN terminal. NOTIS can give you detailed information on request.

Generally, RLIN terminals should be within fifty feet of the GTO-RLIN microcomputer. Depending on environmental factors, connecting cables longer than fifty feet may be subject to signal degradation.

OPTIONAL HARDWARE

RLIN Terminal Printer

Even though the RLIN terminal’s serial port must be connected to the GTO-RLIN microcomputer, it is still possible to print screens from the RLIN terminal on an attached printer.

What is required is a two-way data switch (e.g., the ABC-25 from Black Box Corporation). The data switch lets the operator route the terminal’s serial port output to either the GTO-RLIN microcomputer or the RLIN terminal’s printer.

GTO-RLIN Microcomputer Printer

The GTO-RLIN microcomputer also supports a printer. Any printer compatible with the micro may be used.

GTO-RLIN software logs status information and error messages to a text file on the microcomputer. You may want to print these logs from the GTO-RLIN microcomputer.

Power Protection Hardware

To protect data integrity, we strongly urge GTO-RLIN users to install some form of protection against power surges, power spikes, and power loss. Your local microcomputer dealer or microcomputer service center can provide more information on power protection.

OPTIONAL SOFTWARE

Remote Diagnostics Software

Remote diagnostics software allows NOTIS engineers remote access to the operating system of the GTO-RLIN microcomputer.

One serial port on the hostess board must be reserved for this use.

Carbon Copy, a product of Meridian Technology, is the software NOTIS recommends for this purpose.

Contact Chuck Williams, NOTIS Marketing Coordinator, at (312)-866-0189 for more detailed information about GTO-RLIN software, hardware, and pricing.

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RELEASE OF SAS EXTRACT JOBS

Recently there has been much discussion about the release of the SAS Extract Jobs and our policy of supporting these jobs here at NOTIS. The following paragraphs detail the decisions we have made at this time in regards to releasing and supporting SAS code.

NOTIS recognizes that there is interest among our users in using SAS to produce reports off the NOTIS files. We also recognize that some development has been done with SAS jobs among our users. However, because not all of our users have SAS and because we have developed extract programs using BAL, SAS is not the official report writer for NOTIS.

Release 4.5 will not contain any of the SAS programs. Users who attended the SAS workshop earlier in August or who plan to attend the SAS workshop in October will receive the SAS programs we now have.

A REMINDER ABOUT THE NOTIS KEYWORD/BOOLEAN SEARCH OPTION

A brief reminder.

The contract NOTIS users sign when they implement the NOTIS keyword/Boolean search option stipulates that the KWB search option is available only on the online public catalog mode of a NOTIS database.
Licensing arrangements with BRS prohibit the use of KWB in the staff mode.

MERGED HEADING INDEX PROJECT UPDATE

NOTIS Systems Development has loaded the database of bibliographic and authority records from the National Geographic Society. Systems Development has generated the merged heading index to the database, and they have run the Conflict Detection Report program against the database.

The National Geographic database includes:

- Bibliographic records: 130,471
- Authority records: 116,013
- Total number of records: 246,484
- Index records: 526,948

The disk storage requirements of the National Geographic Society's database and index (based on 3380 disk storage devices are:

- Bibliographic file data = 1220 cyl
  index to data = 1 cyl
- Authority file data = 50 cyl
  index to data = 1 cyl
- Merged Heading Index file data = 65 cyl
  index to data = 1 cyl

The Conflict Detection Report identified 6361 conflict conditions. Most conflict conditions reported were duplicate authority records of the type which can result from RNA authority record processing. Attachment 1 illustrates duplicate authority records of the type described.

NOTIS will utilize fully the values in the MARC authority record which indicate the system or scheme authorizing a heading (i.e., field 008/11). The values in field 008/11 differentiate headings established by the Library of Congress (value a), Library of Congress Children's Literature (value b), National Library of Medicine (value c), National Agricultural Library (value d), National Library of Canada English Headings (value k), Art and Architecture Thesaurus (value r), National Library of Canada French Headings (value v), other (value z), and not applicable (value n).

NOTIS users should code authority records according to the appropriate authority heading scheme and according to the use of the authorized heading in the merged heading index. This may mean that there will be duplicate authority records for identical headings authorized by more than one heading scheme or system.

NOTIS Merged Heading Index programs will display only the references appropriate to the type of subject search being entered by a user of the online public catalog (i.e., s= for LCSH headings; m= for MeSH headings; st= for local/other headings).

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NUGM '89

It's not too soon to begin planning for the 1989 NOTIS Users' Group Meeting. We are pleased to announce that next year's meeting will be held September 27-28 at the landmark Palmer Hotel in Chicago.

In planning for 1989, we are making the following changes based on your evaluations of NUGM '88:

* A large professionally staffed hotel, which will minimize reservation problems and provide adequate meeting space.
* Completely renovated facilities with a state-of-the-art fitness center.
* A central location convenient to the lakefront, shopping, nightlife and cultural activities.
* Greatly reduced rates of $75 per night for singles OR doubles, with the option of extending your stay at that rate through the weekend.
* For early reservations, special double-double rooms are available--with TWO BATHROOMS.

NOTISes/34 (September, 1988)
For your convenience, next year's program handouts will all be included in one binder. So, no matter which sessions you attend, you will have the material for ALL sessions.

Finally, a special THANKS to all of you who have volunteered to assist us with the 1989 meeting. We will be contacting you as the program begins to take shape.

We hope that our advance planning will assist your plans to attend NUMM '89. Watch future issues of NOTISes for more details.

HIGHLIGHTS OF THE NOTIS TRAINING WORKSHOP
by Carol Hert, University of Delaware

Over 140 people attended the Training Workshop on June 28. The response was enthusiastic. This was the first of the workshops sponsored by NOTIS Systems, Inc. in which NOTIS users had a major role in the planning and presentation of the program.

The goals of the Training Workshop were to provide a conceptual grounding in training theory and issues (e.g., adult learning theory, staff development, and training techniques); to provide a forum for the exchange of training ideas among new and experienced NOTIS users; to provide opportunities for learning how to develop local documentation; to set up training environments; to present orientation programs; and to update staff as the system changes. The sessions ranged from the theoretical to the practical.

The keynote speaker was Sheila Creath of the University of Iowa. Sheila set the stage for the rest of the day. She reminded us that technology is only as useful as the people who use it and that good training is critical for the continuing productivity and satisfaction of workers. The ever increasing pace of technological change will only increase the need for training and staff development.

Ms. Creath outlined three areas of concern when thinking about training as a tool to enable staff to respond positively and creatively to change.

The first area is that of sensitization or the emotional preparation for new technology. Issues to be addressed are: resistance to change as the result of the need to prove oneself again; the loss of control over the job; the absence of personal benefit; job security; and the pace and scope of change.

The second area is education about the implications and possibilities of new technologies. Employees can only be creative if they are aware of the mission of the institution and of how technology can be used to further that mission.

The third area is that of actual training. The issues which come into play here are the structure of the training function in the institution, standardization of training, and the application of appropriate training techniques and theories.

Ms. Creath concluded her address by stressing the increasingly important role of training and staff development in the implementation of technology. Training can no longer be a hidden cost if we want to create settings in which employees can respond flexibly and creatively to change.

The rest of the workshop focussed on translating many of Ms. Creath's points into useful tips and techniques.

Carol Hert of the University of Delaware spoke on the development of a comprehensive training program which provides a flexible planning framework for the provision of training within an institution. She stressed the importance of understanding the institution's "culture" as a critical feature in the creation of a program which would work in that institution. Some features of the training function to be considered in the development of such a plan are: the goals of the program, responsibilities of library units, the training environment, program development methodology and philosophy of training, and the continuing development of the program.

Jo Crawford and Bob Sessions of the University of Wisconsin at Madison spoke to the issue of developing good trainers. Trainers must have good communication and interpersonal skills along with technical expertise. It is important that trainers understand the principles of adult learning theory and can translate these principles into good training sessions and materials.

The afternoon sessions of the workshop covered some practical considerations in training.

Jane Aitkens of McGill University and Susan Markowitz of Cornell spoke on setting up a training environment.

David Gregory of the University of Iowa and Tim Deliyanides of the University of Pittsburgh addressed methods of developing local documentation to supplement NOTIS documentation.
Virginia Eldridge of Vanderbilt, Tracy Robinson of Harvard, and Gary Fouty of the University of Minnesota discussed orientation programs and methods for keeping staff up-to-date with a constantly changing system.

The training needs of consortia and networks were addressed by Michele Dalehite of FCLA and Charlene Wecker of Wayne State.

In conclusion, Mary Alice Ball of NOTIS talked about training staff in NOTIS tables.

WICHITA, SOUTHWEST MISSOURI, NOTIS AND BNA APPROVAL PLAN

Wichita State University has developed a local program to load bibliographic information from Blackwell North America (BNA) invoice tapes into the university's NOTIS database. The program creates abbreviated NOTIS bibliographic records that display in the online public catalog with an "on order" status.

Library staff members then use BNA's printed invoice to locate the records. Staff create order/pay/receipt records for those titles kept.

Bibliographic records for titles not wanted are encoded for eventual deletion from the database. Bibliographic records for titles the library keeps are expanded into full bibliographic records, usually by overlaying a matching OCLC bibliographic record.

Mike Knocke of the University's Computing Center wrote the program which uses the BNA invoice tape "as is." The invoice tape has bibliographic data in the "BNA-MARC" format. Wichita has been using the program for over a year. BNA supplies an invoice tape as part of its approval plan at no additional cost to the user.

James Eller, Associate Dean of the Library at Wichita State, says that the library would be happy to share its program with other interested NOTIS users. For full details on library procedures, contact Merle Paulson at (316)-689-3589.

Southwest Missouri State University is developing a program to load bibliographic data from BNA's Approval Book and New Title Announcement Service into the University's NOTIS database. The abbreviated bibliographic records appear in a separate institution group. The bibliographic records provide faculty a convenient and timely method of reviewing titles for selection.

Once selected, the complete BNA bibliographic information becomes an in-process bibliographic record. This technique will facilitate the processing of approval titles and requests from new title announcements.

Greg Burris of Southwest Missouri's Computer Center has begun work on the local programming. Interested NOTIS users can contact Mr. Lynn Cline of the Meyer Library, Southwest Missouri State University, at (417)-836-4658.

Any NOTIS user interested in discussing various possibilities with Blackwell North America should call BNA's tollfree number, (800)-547-6426, and ask for Jill Sanders.

DIAL-UP ACCESS TO MCGILL'S MUSE DATABASE

McGill University offers dial-up access to its NOTIS database MUSE. See attachment 2 for a description of the dial-up procedures for MUSE at McGill.

Please keep sending us your installation's dial-up brochures, descriptions, and procedures. We'll continue to publish the dial-up information in NOTISes.

Please send dial-up material to:

Tom McGinn
User Services
NOTIS Systems, Inc.
2nd Floor
1007 Church Street
Evanston, IL 60201-3622

DOCUMENTATION SERVICES NEWS DOCUMENTATION SERVICES NEWS DOCUMENTATION SERVICES NEWS DOCUMENTATION SERVICES NEWS DOCUMENTATION SERVICES NEWS DOCUMENTATION SERVICES NEWS DOCUMENTATION SERVICES

MACHINE-READABLE DOCUMENTATION NOW AVAILABLE FOR ORDER

NOTIS can now offer customers documentation on diskette and tape for a site license fee. Beginning in December, updates will also be available on diskette. We will provide machine-readable documentation in full ASCII format, arranged by chapters.

NOTISes/34 (September, 1988)

PAGE 11
We are currently exploring the implications of the Standard on General Material Language for the machine-readable documentation. Thanks to the University of Illinois at Chicago for their advice on this matter.

Attachment 3 explains the NOTIS Documentation Policy.

See attachments 4 and 5 for the prices for machine-readable documentation. Documentation and updates received as part of your permanent license fee/annual maintenance fee will continue to be distributed in print format only.

We will accept orders for the machine-readable documentation now for shipment in December. Please send your purchase order to the attention of Documentation Services. Any subscription orders for updates in diskette format received between now and December 1 will apply for the period December 1988 through November 1989.

New prices have also gone into effect for the printed documentation. See attachment 6 for detailed information.

TROUBLESHOOTING

Troubleshooting is a regular monthly column in NOTISes.

As we encounter problems which we plan to include in the Troubleshooting Guide (Appendix E to the NOTIS Installation & Operations Manual), we list the problems here in NOTISes so you don't have to wait until a new release of the Troubleshooting Guide in order to be aware of the problems.

Please send any suggestions about the Troubleshooting column or the Troubleshooting Guide to Jerry Specht, Systems Engineering.

NOTE: It is our intention that you append these Troubleshooting pages to the Troubleshooting Guide which you received as part of your NOTIS documentation. The problems in the Troubleshooting column have been (and will continue to be) assigned "temporary" numbers from V001-V099 so that they will be in sequence.

We periodically send out an updated index which encompasses temporary problems and the problems already in the guide.

Once each year we send you an entirely new Troubleshooting Guide which integrates all temporary problems which have appeared in NOTISes since the last release of the entire Troubleshooting Guide.

Problem: V106 (Revision of Problem 1405) When you run LD200 to print vouchers, you find that nothing is printing (even though you have successfully approved invoices) or that there are "gaps" or that the printing is delayed (that is, the vouchers print a day later than you expect).

Possible Causes: a. (pre-4.4.2 only) The BAL R8, C900" statement immediately after the label A330 in LC934BAL needs to be uncommented. This change was included in 4.4.2 and 4.5.
produced a message indicating that there was a problem with the fund code of these records. It appears that such records should be corrected and LD840 re-run.

If it is too late for that, delete the records from the converted file.

We recognize that such records should not cause the program to loop and plan to change LD120 with a future release.

Problem: **V113**

You have made the change described in Problem 1124 (U94) to LC8308AL to convert the "RECORD NOT FOUND" condition when searching for authority records using standard numbers, but find that it only works when an index display results—a direct hit still gives you "RECORD NOT FOUND".

Possible Causes: That's right. For now, you will still need to change the "BIBE" or "HLDG" to "AUTH".

Problem: **V114**

(MVS only) When you perform simultaneous Keyword/Boolean searches on two or more terminals, one comes back with some index entries, but the other two are in an infinite "wait" state.

Possible Causes: Are you at an IBM maintenance (PTF) level less than 8709? There was an enqueuing error in CICS that caused it to try to allocate these files and not release them. This problem was first fixed in PTFs 8704 and 8709.
Dialup access to MUSE, the online catalogue of the McGill University Libraries, is available for all McGill students and staff. The instructions below are for signing onto MUSE with a personal computer, a modem, and telecommunications software.

**EQUIPMENT:** You must have
- A modem, capable of any of these speeds: 300, 1200, 2400.
- A personal computer with telecommunications software which emulates one of these terminals:
  - ADM31
  - ADM3A
  - IBM3101
  - TV1912
  - TV1920
  - TV1925
  - TV1950
  - TV1950R
  - TV1955
  - VT100
  - VT100P
  - VT200
  - VC404
  - VC4404

**Step ONE - Setup your telecommunications software:**
- 7 data bits, EVEN parity, 1 stop bit, FULL duplex
- Set the emulation option in the software to one of the above terminal types. If using VT100, turn on NUM LOCK.

**Step TWO - PHONE THE MCGILL MAINFRAME:**
- 300 Baud Modems: 39B-B211
- 1200 Baud Modems: 39B-B411 (Bell 212 type)
- 2400 Baud Modems: 39B-B311 (Vadic 3400 type)

The telecommunication connection is established:
- CONNECT 300, 1200 or 2400
- Press the ENTER key.
- The McGill computer answers:
  - Press the ENTER key.
  - Type USEMUSE

The McGill computer answers:
- Press the ENTER key.
- Type in the terminal type the software is emulating. If using VT100, type VT100P.

The introduction to MUSE will fill your screen. While searching MUSE, type * at any time for context specific help. To exit from MUSE, type **OFF** on any MUSE screen. The phone line will disconnect automatically from the McGill mainframe.

Trouble connecting? Call the Computing Centre at 39B-3700.

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**NOTIS DOCUMENTATION POLICY**

A set of NOTIS documentation includes:

- NOTIS Library Implementation Manual
- NOTIS Installation & Operations Manual

The first four titles above constitute the user documentation and the last two titles make up the technical documentation.

Each NOTIS installation receives two sets of printed documentation as part of the permanent license fee for the NOTIS software as well as two printed copies of each update to NOTIS documentation during the first year. Each installation receives two printed copies of each update to NOTIS documentation in subsequent years as part of the installation's annual maintenance fee.

The same policy applies to the host institution of a consortium and to individual members of a consortium (except that the latter receive only one set of printed documentation and one printed copy of each update).

Each NOTIS installation receives five copies of the monthly newsletter **NOTISes** as part of the permanent license fee during the first year and five copies in subsequent years as part of the installation's annual maintenance fee.