



Wayne State University

Computing Services Center

NEWSLETTER

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Dr. Arthur Gloster, Acting Director of the CSC; Dr. Peter Spyers-Duran, Director of University Libraries; and James Williams II, Assoc. Director of Libraries, demonstrating the NOTIS system.

New Online Library System at WSU

The CSC and WSU Libraries have joined forces to implement a new online integrated library system at Wayne State. The Northwestern Online Integrated System (NOTIS) has been chosen as the software package that will be used for the WSU Library project. The NOTIS system was first developed by the Northwestern University Libraries and features the following library functions:

- online public access catalog
- circulation
- cataloging and serials control
- acquisitions
- data base management
- authority record management

This system will allow all the University libraries (which include Purdy/Kresge, Science, Law, Medicine, and Pharmacy and Allied Health) to access records already available on magnetic tape for the initial online database. Public terminals will be available throughout the campus libraries for easy access to the system by library users.

NOTIS will run on the IBM 4381 which the Libraries have purchased from the CSC. The NOTIS system components will be phased in over a two year period with the online catalog being the first function available.

The WSU Library NOTIS system will be available to other Detroit area libraries including public, university and special libraries through a non-profit corporation

called DALNET (Detroit Area Libraries Network).



Louise Bugg, Asst. Director of Library Automated Systems; Frank Burejsza, Supervisor of Communications for the Operating Systems and Communications Dept.; Dorothy Fox, Senior Applications Programmer for University Libraries (formerly a Senior Programmer from MISC); Rick McCreedy, Lead Systems Programmer for Operating Systems and Communications Dept.; and Randy Menakes, NOTIS systems engineer from Northwestern University, are shown during initial testing and implementation of NOTIS system.

Through WSUnet network facilities, DALNET member libraries will be able to use and share resources with WSU and all participating libraries in DALNET. This project is a unique experience in library networking and will be used as a prototype for other universities involved in automating their libraries.

More news on the implementation of NOTIS and DALNET will be featured in upcoming issues of the *CSC Newsletter*.

Tony Falzon and Janet Zimmerman

New Disk Drives For MVS

The CSC has installed new IBM 3380 disk drives for MVS, which replace the CDC 3350 disk drives. Because the new disk drives have almost two and one half times the track size of the old disk drives, it will be necessary

for MVS users to follow different procedures when allocating space for permanent MVS datasets.

The number of bytes per track on the 3380 disk drive is 47476, compared to 19069 bytes per track on the 3350 disk drive. When allocating space for a permanent MVS data set with the SPACE parameter on the DD JCL statement, use of the TRK parameter can lead to over-allocation of space because of the larger track size of the 3380 drive.

To better utilize space and provide device independence, it is recommended that MVS datasets be allocated by blocks instead of tracks (TRK) or cylinders (CYL). Use the following steps to determine the space requirements for a standard dataset:

1. Determine the logical record length
2. Determine the approximate number of records in the file, including room for growth
3. Determine the blocksize of the dataset (23476 is the largest and most efficient blocksize for sequential datasets)
4. Calculate the number of logical records per block
5. # of blocks = # of logical records # logical records/block.

To allocate disk space in blocks, the following space parameter prototype is used in the DD statement:

SPACE = (blksize,(#-of-blks,secondary),RLSE)

The primary quantity requested should accommodate a normal amount of data. Secondary allocation should allow for anticipated growth. Always code the RLSE keyword. Use the block allocation for all datasets. If you must obtain cylinder allocation, use the ROUND keyword in the SPACE parameter. No dataset that occupies less than one full cylinder of space should be allocated using the cylinder (CYL) keyword in the SPACE parameter.

All MVS datasets must be cataloged. UNIT=USER should continue to be used when coding job control cards.

Coni Walters

Student Computer Accounts Update

Over 1,000 Wayne State students have already obtained MTS student computer accounts during early registration for Winter Term 1986. These accounts can be used to store programs and data for courses requiring the use of the computer, as well as for writing reports and research papers for other courses. This