

6-15-1979

# User Services External Report

Lehigh University

Follow this and additional works at: <http://preserve.lehigh.edu/lts-computing-center-newsletter>



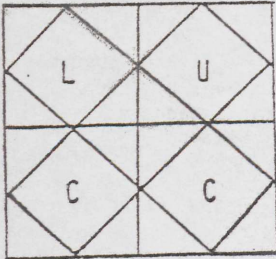
Part of the [Computer Sciences Commons](#), and the [Library and Information Science Commons](#)

---

## Recommended Citation

Lehigh University, "User Services External Report" (1979). *Computing Center Newsletter*. 21.  
<http://preserve.lehigh.edu/lts-computing-center-newsletter/21>

This Newsletter is brought to you for free and open access by the LTS Publications at Lehigh Preserve. It has been accepted for inclusion in Computing Center Newsletter by an authorized administrator of Lehigh Preserve. For more information, please contact [preserve@lehigh.edu](mailto:preserve@lehigh.edu).



# USER SERVICES EXTERNAL REPORT

LEHIGH UNIVERSITY COMPUTING CENTER  
 CDC 6400 (CM 96KW, ECS 1/8 MV, SCOPE 3.4.4) VARIAN 620/F  
 DECSYSTEM-2040 (256KW MEMORY, TOPS-20 V3)  
 PDP 11/34 (96KW MEMORY, RSTS/E V06C)

Vol. VI, No. 4

June 15, 1979

## COMPUTING CENTER DIRECTORY

NOTE: All Phone Numbers effective June 30

### Information About Policies and Plans

Office of the Director 861-3830  
 Dr. Ben L. Wechsler  
 William R. Harris  
 User Services Manager 861-3997  
 Hazel E. Edwards

### Information About Bills Received

Administrative Assistant 861-3825  
 Joseph P. Holzer  
 Annette L. Ruhe

### Information About New Accounts, Credits and Instructional Computing

User Consultant 861-3991  
 Robert A. Pfenning

### Information About Programs in the Computer Libraries

Data Processing Librarian 861-3993  
 Margaret W. East

### Technical Information (replaces ext. 616)

User Consultant 861-3994  
 Marianne I. Jacoby

### General User Information

User Services Secretary 861-3990  
 Judy K. Allio

### Information about Operational Policies

Interim Operations Manager 861-3989  
 Carol D. Rauch

### Information About Tapes and Supplies

Operations Admin. Assist. 861-3986  
 Kathy M. Horwath

### Information About Special Submissions

Operator In Charge 861-4019

### On-Campus Computer Access (110/300 Baud)

CDC 6400	Ext. 4000
DEC 20	Ext. 4020
PDP 11/34	Ext. 4011

### Off-Campus Computer Access

CDC 6400 (110/300 Baud)	691-5800
(1200 Baud)	691-5806
DEC 20	868-2250

## 1.0 STAFF CHANGES

In May, there were a number of significant changes in the staffing of the Operations Group. John Morrison, Manager of Operations, accepted a position with Leeds and Northrup. Al Zwiesler, Junior Operator, received his degree in Electrical Engineering and accepted a position with General Electric. We wish both John and Al lots of luck.

On an interim basis, Carol Rauch has assumed the responsibilities of the Manager of Operations. Carol started her LUCC career in Operations. Replacing Al is Lori Laubach, a recent graduate of Northampton Area Senior High School and Bethlehem Area Vocational Technical School. At the latter school, she participated in a two year course in data processing.

## 2.0 PHONE NUMBER CHANGES

Effective June 30, Lehigh University will be utilizing the Bell Telephone Dimension 2000 system to provide telephone service on campus. All office extensions and on-campus computer access numbers will change. Please refer to the directory to the left for these new numbers. Off-campus access numbers remain unchanged.

## 3.0 MINI/MICRO COMPUTER SEMINAR

On April 26, Dr. Emory W. Zimmers, Jr., Industrial Engineering, and Dr. Bruce D. Fritchman, Electrical Engineering, presented a seminar on mini- and micro-computers in conjunction with the Computing Center. Dr. Zimmers started the seminar with a brief introduction to terminology. Dr. Fritchman discussed the Hewlett-Packard 1000 mini-computer system installed in the Electrical Engineering Department. This presentation was followed by Dr. Zimmers describing the PDP 11/34-based Computer Aided Manufacturing Laboratory in the Industrial Engineering Department. The final item on the meeting's agenda was a panel discussion which included the previously mentioned faculty members along with Gary McConnell and Steve Roseman from the Computing Center. The panel fielded questions from the audience regarding possible mini- and micro-computer installations, and the possibility of sharing resources available on the existing campus systems.



#### 4.0 EDUNET EXPERIMENT UPDATE

As many of you are aware, we have just completed our first year of active involvement in EDUNET, the inter-university computing network. Although the volume of usage was less than originally anticipated, the people who did participate see EDUNET as a valuable addition to our computing resources. There are still a number of policy decisions that have to be made regarding our future involvement in EDUNET. With one year's experience behind us, new users should find it even easier to become a part of the project. Although the grant that supported our use this year has expired, LUCC will be providing some funds for your continued participation. Anyone interested in learning more about EDUNET should contact User Services for further information.

Paul Greenfield      Jim Stoves  
Phil Lamb            Barry Tannenbaum  
Dave Langdon        Matt Wilson  
Dave Mastrobattista

Good luck to the graduating seniors, and best wishes for a good vacation to the rest!

#### 5.0 MAGNETIC TAPE PROCEDURES

Purchasers of magnetic tapes should be aware that the Computing Center is selling new magnetic tapes. They are no longer available at the University Bookstore. Tapes can be purchased from the Operations Administrative Assistant, Kathy Horwath, in Room 154 Packard Lab. Her office hours are 9 A.M. to 12 Noon and 1 P.M. to 4 P.M. Users should first complete a Supplies Request form (LUCC form #7) which is available in Room 117. Any answers to technical questions, such as the size of tape required, also can be obtained there. If the tape is to be stored in the Computing Center's tape library, a Tape Save Request form (LUCC form #37) should be obtained and completed. Tapes may be paid for with cash, check or by a charge to a University account number (not a Computing Center authorization number). Current prices for magnetic tapes are as follows:

600 ft.	\$8.40	1200 ft.	\$11.10	2400 ft.	\$15.60
---------	--------	----------	---------	----------	---------

#### 6.0 MANUALS IN MART LIBRARY

At the suggestion of the Users' Subcommittee (of the Computing Center's Advisory Committee), vendor reference manuals for all three computing systems, plus selected Computing Center publications, have been placed on two-hour reserve at the Mart Library.

#### 7.0 THANK YOU UNDERGRADUATE ASSISTANTS

During the past academic year, the first line of defense for the consulting function of User Services has been provided by a dedicated and talented group of undergraduates. The full-time staff would like to publicly thank the following individuals who have been so helpful:

Dave Blanset	Bob Nemiroff
Randy Boldosser	Alex Ostapenko
Paul Detwiler	Erad Parker
Pete Dinsmore	Tom Rake
Jim Femister	Al Schechter
Paul Fox	Rose Shenk
Steve Garfinkel	Tom Slone
Ron Godshalk	Phil Smith

#### 8.0 EMPLOYMENT OPPORTUNITIES

The Lehigh University Computing Center currently has four vacant positions on its staff. Anyone interested in the positions described below should contact the Personnel Office, Lehigh University, Johnson Hall #36, Bethlehem, PA 18015 (215-861-3900).

##### 8.1 Operations Manager

The Operations Manager performs the following administrative and supervisory duties: plan and organize the activities of Operations personnel; develop Operations Group procedures; monitor the overall effectiveness of the Operations Group, computing equipment and support systems; and participate in the long- and short-range planning activities of the Computing Center.

##### 8.2 Programming Manager

Responsibilities of the Programming Manager are to plan and direct the activities of the Operating Systems Programming Group; to make recommendations in the selection, evaluation, installation and maintenance of operating systems, utilities and communications equipment; to consult with users regarding the hardware and software requirements of projects; and to coordinate the installation of new equipment.

##### 8.3 Systems Programmer

Responsibilities of a Systems Programmer include the following: to install new versions of the operating systems; to design, code and install changes to new and/or existing versions of the operating systems; to consult with users and staff to solve problems and answer questions when necessary; and to plan, develop and present seminars and demonstrations pertinent to technical aspects of systems usage.

##### 8.4 Junior Computer Operator

The Junior Computer Operator performs the following technical duties under close supervision: operate computer systems and related equipment such as console, line printers, card reader and magnetic tape drives; dispatch input and output to proper areas; answer routine user questions; and inform customer engineers of equipment problems.



## 9.0 USED DECSYSTEM-20 DISKS FOR SALE

The Lehigh University Computing Center is selling two (2) RP04 disk drives for a DECSYSTEM-20. They will be available sometime during the period from December 26, 1979 through January 15, 1980. All offers in excess of \$16,000 will be considered. If interested, please contact Dr. Ben L. Wechsler, Director, Lehigh University Computing Center, 616 Brodhead Avenue, Bethlehem, PA 18015 (215-861-3830).

## 10.0 OPERATING SCHEDULE

Attached to this issue of USER is a copy of the Computing Center's operating schedule for the year starting June 1, 1979. Any questions about this schedule should be addressed to User Services. Note that this schedule is concerned with the times batch service is supported. Other schedule details are available by using the control statement SYSBULL(HOURS) on the CDC 6400. Monthly schedules in calendar format are posted in each of the batch sites. These latter schedules include the hours consulting services are provided. Interactive users may assume that interactive services are supported on all three systems during the hours of supported batch service. The only general exception to this rule is that preventive maintenance for the DECSYSTEM-20 is scheduled from 5 P.M. until 7 P.M. every other Friday.

During periods when services are unsupported, they may be interrupted for software and hardware maintenance. Whenever possible, these interruptions will be announced via CCNEWS and the banner page message (on the CDC 6400) or LOGIN messages (on the DEC 20 and the PDP 11/34).

## 11.0 FROM THE LIBRARIAN

### 11.1 Modified Programs - CDC 6400

#### 11.1.1 \*QGERT - Modeling Queue Networks (H90009) -

A new version of QGERT has been installed correcting minor errors and providing three new user-callable routines - IALOC, ALTER, and FREE - for allocating, altering and freeing resources, respectively. Note that the new version needs approximately 105000 (octal) words of central memory to execute (the old version used approximately 102000 (octal)). The new version is available also for FTN4 users.

A copy of the second edition of Modeling and Analysis Using Q-GERT Networks, which consolidates all previous user documentation, is available at the Packard Lab Inquiry Desk.

#### 11.1.2 \*SIR - Information Retrieval (S00005) -

Release 1.1A of SIR, correcting all known programming errors, has been installed. This release supports both the batch and the interactive versions of SIR. A new edition of the SIR User's Manual is available at the Inquiry Desk.

### 11.1.3 \*IMSL - Mathematical/Statistical Library -

A new release of the IMSL library, Version 7, has been installed. This new edition includes several major changes: deleted, replaced and modified Version 6 routines; new routines; and a new set of manuals which include an example for every routine. The routines in Version 7 also are available to FTN4 users.

Users should check current programs utilizing IMSL routines and modify them if necessary. A handout indicating the changes is available from User Services. The new routines available include the following:

DGEAR	differential equation solver
LLSQF	solution of a linear least squares problem
LSVDB	singular value decomposition of a bidiagonal matrix
LSVDF	singular value decomposition of a real matrix
MDCHN	non-central chi-squared probability distribution function
MDNORD	normal or Gaussian probability distribution function of a double precision argument
ODFISH	linear discriminant analysis method by Fisher for reducing the number of variables
ODNORM	multivariate normal linear discriminant analysis among several known groups
ZXCGR	minimize a function of N variables using a conjugate gradient method
ZXGSN	one-dimensional unimodal function minimization using the Golden section search method

### 11.2 Modified Programs - DEC 20

#### 11.2.1 \*PASCAL - DEC 20 PASCAL Compiler (L20010) -

A new version of the PASCAL compiler is now available on the DEC 20. Some of the new features include:

- \* Allow reading into strings
- \* Several new input/output modes
- \* Improved range checking
- \* Allow curly braces as comment delimiters
- \* PASDDT CTRL/D interrupt

Problems that were corrected include:

- \* Require all labels to be declared (as required by the PASCAL Revised Report)
- \* All known problems with GOTO's
- \* Increase size of code buffer
- \* Detect attempts to illegally redefine FUNCTION identifiers

A copy of the PASCAL Revised Report is available at the Packard Lab Inquiry Desk for user reference.



12.0 OPERATIONAL STATISTICS

12.1 CDC 6400

	<u>4/79</u>	<u>5/79</u>
Time System Available During Scheduled Hours (Percentage)		
Batch	97.8	98.9
INTERCOM	97.6	98.9
Mean Time Between Interruptions (Hours)		
Batch	400.7	382.5
INTERCOM	26.7	54.7

12.2 DECSYSTEM-20

	<u>4/79</u>	<u>5/79</u>
Time System Available During Scheduled Hours (Percentage)	99.2	99.9
Mean Time Between Interruptions (Hours)	47.6	114.8

12.3 PDP 11/34

	<u>4/79</u>	<u>5/79</u>
Time System Available During Scheduled Hours (Percentage)	99.9	98.2
Mean Time Between Interruptions (Hours)	397.8	332.4

13.0 USAGE STATISTICS

13.1 CDC 6400

	<u>4/79</u>	<u>5/79</u>
Batch Jobs Processed	59,373	31,870
Central Site Submissions	35,507	18,742
INTERCOM Terminal Sessions	9,349	8,128
INTERCOM Connect Hours	3,853	3,311
CPU Hours - Batch	331.4	243.5
- INTERCOM	22.9	22.0

13.2 DECSYSTEM-20

	<u>4/79</u>	<u>5/79</u>
Terminal Sessions	11,500	6,276
Connect Hours	3,125	2,965
CPU Hours - All Jobs	193.1	128.3

13.3 PDP 11/34

	<u>4/79</u>	<u>5/79</u>
Connect Hours	2,612	1,835
CPU Hours	127.6	58.5

USER SERVICES EXTERNAL REPORT

MAILING LIST

- \_\_\_ ADD my name to the mailing list
- \_\_\_ DELETE my name (include mailing label or complete address)
- \_\_\_ CHANGE my address (list both old and new addresses and include Zip Code)

CAMPUS

NAME: \_\_\_\_\_

DEPT.: \_\_\_\_\_

BLDG.: \_\_\_\_\_ ROOM: \_\_\_\_\_

OFF-CAMPUS

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

ZIP CODE: \_\_\_\_\_

RETURN TO: Lehigh University  
 Computing Center  
 RM. 117 Packard Lab, Bldg. 19  
 Bethlehem, PA 18015



YEARLY OPERATING SCHEDULE

June 1, 1979 - May 31, 1980

\*NOTE: EXCEPTIONS LISTED ON ATTACHED SHEET

START DATE	DAY	CENTRAL SITE	GRACE/TAYLOR SITES
June 1 (short hours)	Monday - Friday  Saturday Sunday  *SEE EXCEPTIONS	8 AM - 9 PM  9 AM - 12:30 PM; 1:30 PM - 5 PM CLOSED	(Grace only) 9 AM - 5 PM  CLOSED CLOSED
CLASSES BEGIN: August 28	Tuesday  *SEE EXCEPTIONS	NO CHANGE	Taylor opens same hours as Grace
September 9	Monday - Thursday Friday Saturday Sunday	NO CHANGE NO CHANGE NO CHANGE NO CHANGE	9 AM - Midn. 9 AM - 5 PM Noon - 5 PM Noon - Midnight
September 16 (long hours)	Monday - Thursday Friday Saturday Sunday  *SEE EXCEPTIONS	8 AM - 11 PM 8 AM - 9 PM 9 AM - 12:30 PM; 1:30 PM - 5 PM Noon - 5 PM; 6 PM - 10 PM	NO CHANGE NO CHANGE NO CHANGE NO CHANGE
CLASSES END DEC. 8			
December 10 (short hours)	Monday - Friday Saturday Sunday	8 AM - 9 PM 9 AM - 12:30 PM; 1:30 PM - 5 PM CLOSED	9 AM - 5 PM CLOSED CLOSED
December 19	Wednesday  *SEE EXCEPTIONS	NO CHANGE	Taylor site <u>closes</u>
CLASSES BEGIN:			Grace and Taylor open
January 15	Monday - Friday Saturday Sunday	NO CHANGE NO CHANGE NO CHANGE	9 AM - 5 PM CLOSED
January 28	Monday - Thursday Friday Saturday Sunday	NO CHANGE NO CHANGE NO CHANGE NO CHANGE	9 AM - Midn. 9 AM - 5 PM Noon - 5 PM Noon - Midnight
February 4 (long hours)	Monday - Thursday Friday Saturday Sunday  *SEE EXCEPTIONS	8 AM - 11 PM 8 AM - 9 PM 9 AM - 12:30 PM; 1:30 PM - 5 PM Noon - 5 PM; 6 PM - 10 PM	NO CHANGE NO CHANGE NO CHANGE NO CHANGE
CLASSES END MAY 3			
May 5 (short hours)	Monday - Friday Saturday Sunday	8 AM - 9 PM 9 AM - 12:30 PM; 1:30 PM - 5 PM CLOSED	9 AM - 5 PM CLOSED CLOSED
May 11	*SEE EXCEPTIONS	NO CHANGE	Taylor <u>closes</u> for the summer



EXCEPTIONS TO OPERATING SCHEDULE 79-80

NOTE: "NO CHANGE" means that the regular schedule is in effect

DATE	DAY - OCCASSION	CENTRAL SITE	GRACE/TAYLOR SITES	
July 4	Wed. - Independence Day	CLOSED	CLOSED	
September 3	Monday - Labor Day	CLOSED	CLOSED	
October 22	Monday - Pacing Break	8 AM - 9 PM	9 AM - 5 PM	
November 17	Saturday - Lafayette Weekend	NO CHANGE	CLOSED	
November 21	Wednesday	8 AM - 9 PM	9 AM - 5 PM	
November 22	Thursday	CLOSED	CLOSED	
November 23	Friday Thanksgiving	8 AM - 9 PM	CLOSED	
November 24	Saturday	CLOSED	CLOSED	
November 25	Sunday	NO CHANGE	CLOSED	
November 26-29	Monday - Thursday	SEMESTER ENDS	Midnight-6 AM; 8 AM-Midnight	
November 30	Friday		NO CHANGE	Midnight-6 AM; 8 AM-5 PM
December 3-6	Monday - Thursday		NO CHANGE	Midnight-6 AM; 8 AM-Midnight
December 7	Friday		NO CHANGE	Midnight-6 AM; 8 AM-5 PM
December 24	Monday } Christmas		8 AM - 5 PM	CLOSED
December 25	Tuesday }	CLOSED	CLOSED	
December 26-28	Wednesday - Friday	8 AM - 5 PM	CLOSED	
December 31	Monday } New Years	8 AM - 5 PM	CLOSED	
January 1	Tuesday }	CLOSED	CLOSED	
February 24	Sunday - Pacing Break	CLOSED	CLOSED	
February 25-26	Mon.-Tues.-Pacing Break	AM - 9 PM	9 AM - 5 PM (Grace Only)	
March 27	Thursday	8 AM - 9 PM	9 AM - 5 PM (Grace Only)	
March 28	Friday	8 AM - 9 PM	9 AM - 5 PM (Grace Only)	
March 29	Saturday	NO CHANGE	CLOSED	
March 30	Sunday	CLOSED	CLOSED	
March 31-Apr. 3	Monday - Thursday	SPRING BREAK	9 AM - 5 PM (Grace Only)	
April 4	Friday - Good Fri.		CLOSED	CLOSED
April 5	Saturday		NO CHANGE	CLOSED
April 6	Sunday		CLOSED	CLOSED
April 21-24	Monday - Thursday	SEMESTER ENDS	Midnight-6 AM; 8 AM-Midnight	
April 25	Friday		NO CHANGE	Midnight-6 AM; 8 AM-5 PM
April 28-May 1	Monday - Thursday		NO CHANGE	Midnight-6 AM; 8 AM-Midnight
May 2	Friday		NO CHANGE	Midnight-6 AM; 8 AM-5 PM
May 26	Monday - Memorial Day		CLOSED	CLOSED