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This newsletter is published as often as is needed to keep the user community informed as to system changes, upgrades and enhancements, and changes in operations procedures. A copy will be sent to every one on our "user file". Anyone wishing to be placed on our file or wishing additional copies of the newsletter should notify the Computing Center Secretary. Please direct all questions, comments, suggestions and complaints to Paul Merillat, Director, Office of User Services.
FROM THE DIRECTOR

I would like to take this opportunity to acknowledge our increased proportion of machine down-time this past month. Many of our problems are associated with the additional core installation which, supposedly, was completed in January. We are having some very difficult intermittent problems with this installation which neither SMI, IBM, SORBUS, nor ourselves have been able to identify. We are expecting, in about a month, new interface boards and some new cabling which might help to alleviate these problems. As a result of our purchase contract, we are obliged to give SMI at least a few additional months to attempt to correct the situation. We received a 25% price discount from SMI in return for additional machine time to install and test this product. Therefore, in return for some of the inconvenience you are suffering, Tech has saved approximately $25K. We hope the current problems will eventually be solved and believe that Tech will be way ahead when they are.

In any case I appreciate the patience and restraint you have shown in putting up with this inconvenience. Please let us know of any problems you encounter with our service, especially over these next few months.

Thanks
I. ADDITIONAL USER CORE MEMORY

The standard user (background) partition size is now slightly over 200K bytes. The upper limit for a phase (HICORE on LNKEDT map) is 39FFF. If IBCOM is used the limit is 39E6F. Note that this eliminates "BULK" category for storage requests.

II. In order for FOCUS users to make use of the additional core, it is necessary to include your own version of RSPTABLE (see pp. 47-49 of the FOCUS manual for concepts involved). An example of a user included RSPTABLE follows. This configuration primarily increases free string space:

```assembly
focus program
// REWIND SYS000
// REWIND SYS001
//RSPTABLE EXEC ASSEMBLE

RSPTABLE CSECT
ENTRY PARAREA
ENTRY CALLTBL
ENTRY EQIVTBL
ENTRY NAMETBL
ENTRY AVARSDMY
ENTRY CSTRNGAR

PARAREA DS 200F
CALLTBL DS 100F
EQIVTBL DS 1000F
```
The dummy CSECT is used because ASSEMBLE allows CSECTS of up to 65535 bytes. Any number of dummy CSECTS may be used for increased storage.

III. ASSISTANT TO THE OFFICE OF USER SERVICES

Mr. E. Tanny Bear (WC 4D) is employed part time as assistant to the Office of User Services. He is available for help in the areas of programming problems, language processor problems, use of JCL, use of system supplied routines, and documentation.

Mr. Merillat remains available for these and other problems.
IV. SCHEDULE OF CHARGES FOR JULY 1 1975 - JUNE 30 1976

Computer Charges as of July 1 1975 will be:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT COST</th>
<th>% CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXECUTION TIME(SEC)</td>
<td>$.0300</td>
<td>+20%</td>
</tr>
<tr>
<td>WAIT TIME(SEC)</td>
<td>.0300</td>
<td>+20%</td>
</tr>
<tr>
<td>CARDS READ</td>
<td>.0013</td>
<td>+62%</td>
</tr>
<tr>
<td>LINES PRINTED</td>
<td>.0007</td>
<td>+17%</td>
</tr>
<tr>
<td>TAPES MOUNTED</td>
<td>.8500</td>
<td>-67%</td>
</tr>
<tr>
<td>DISKS MOUNTED</td>
<td>1.5000</td>
<td>+200%</td>
</tr>
<tr>
<td>PLOT BUFFERS WRITTEN</td>
<td>.0015</td>
<td>-50%</td>
</tr>
<tr>
<td>CARDS PUNCHED</td>
<td>.0013</td>
<td>+62%</td>
</tr>
<tr>
<td>FORM CHANGES</td>
<td>.0000</td>
<td>-100%</td>
</tr>
</tbody>
</table>

These charges were set by the administration in consultation with the Computer Center and various State and Federal auditors. Any interested party may acquire a copy of the computation of these charges from the Office of User Services.

V. SPECIAL FORMS

As of July 1, 1975, the Computer Center will supply only:

1) Regular Paper
2) White Cards
3) Wide and Narrow Plotter Paper.
Any user wishing to use any other forms will be required to provide those forms to the Computer Center. Arrangements may be made through the Computer Center Secretary to order forms and to store up to two boxes in the Computer Center. If boxes are stored in the Computer Center, the owner will be informed when the first box is empty and can be replaced.

When requesting special forms the owner's name is to appear on the FORMS request message.

VI. BMD STATISTICAL PACKAGE

The Computer Center has recently ordered a comprehensive statistical package from the Biomedical Department at UCLA. Questions concerning its contents, use, and suggestions for its support should be directed to Dr. A. Gutjahr of the Math Department.

VII. LANGUAGE PROCESSORS

As a result of our decline in enrollment and subsequent budget reductions, it has become very clear that we will be unable to support a large number of language processors in the future. In fact, it is clear that TCC has attempted to introduce more language processors than its staff is capable of supporting adequately. We intend to continue to intro-
duce as many interesting and valuable language processors as we can, to provide the widest possible exposure to different programming languages to TECH students. We must, however, distinguish between supported production languages and pedagogical (basically unsupported) languages. At the current time, Production (or supported) languages include FORTRAN, 360BAL and PL360. Pedagogical (or unsupported) languages include COBOL, SNOBOL, PASCAL, FOCUS, LISP and CSMP.

The use of Pedagogical languages for production programs is strongly discouraged since TCC can guarantee neither the correctness nor the continued availability of the processor. (See Section VIII). Any users who have utilized a Pedagogical language processor for production programs are encouraged to contact the Office of User Services.

The Office of User Services is starting an open file on bugs in the Pedagogical processors. A user detecting compiler errors is encouraged to inform the Office of User Services.

VIII. Death of SNOBOL

On July 1, 1975, the SNOBOL processor will be deleted from the System. Any user requiring assistance in converting from SNOBOL to FOCUS2 should contact the Office of User Services.
IX. DISK DATASET MANAGEMENT SYSTEM

The Disk Dataset Management System, referenced in the last newsletter, is being postponed due to the loss of the Computer Center's system programmer. Current expected implementation date is January 1, 1976.

X. DOCUMENTATION

Users are reminded that

1) TCC documentation on callable routines, use of system, FOCUS etc. is available from the Computer Center secretary @ 2¢/page. A complete list of available documents is posted on the bulletin board across from the Office of User Services.

2) IBM documents are available for reference in the Computer Center Library (WC 6).