BCIT COMPUTER RESOURCES

OPERATIONS NOTE

Victoria Day Hours:
    87:05:18   (09:00 - 23:00)
    -- IBM mainframe computer and
       terminals will be available
       for use.

HP 3000/64 system hours to the
end of May:

  (07:00-24:00) Monday - Thursday,
                Saturday & Sunday,
  (07:00-21:30) Friday

For information on summer operat-
ing hours, refer to the LOGON
messages each time you logon to
either computer system.

IMPORTANT PHONE NUMBERS

Hardware problems: 432-8407

Other problems: 432-8561/8628

DIAL-UP PORTS

300 BPS: 430-3371
         5448/5449 (on campus)

1200 BPS: 435-1443

UHC June Training Schedule

The following "Hands-on" Courses
will be offered by the User Help
Centre during the month of June:

Beginners CMS:
    Wed, June 10   (09:00-12:00)

Advanced CMS:
    Thur, June 11   (09:00-12:00)
    Fri, June 12   (09:00-12:00)

Advanced PROFS:
    Tues, June 16   (09:00-11:30)
    Wed, June 17   (09:00-11:30)

PC DOS level 1:
    Thur, June 18   (09:00-11:00)

PC DOS level 2:
    Thur, June 25   (09:00-11:30)

For further information on these
courses or to register,   please
call the UHC at 8561/8628.

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DOBIS Access
Merrilee Mackinnon, Library

   DOBIS, the Library system cat-
alogue has been available to
PROFS users (faculty and staff)
for almost two years.   DOBIS is
now available to a wider audi-
ence.   Anyone with a CMS ID can
gain access to DOBIS by typing
DOBIS on any CMS screen.   To get

out of DOBIS, hit <PF12>. If there are any difficulties getting in or out of DOBIS, faculty and staff should call the User Help Centre (8628). Students can ask the Procters on duty from:

```
(18:00-22:00), Mon.-Thu.
(17:30-21:30)  Fri.
(09:00-16:00)  Sun.
```

Students and staff with questions regarding the records in the catalogue, or how to use DOBIS can phone the Library Reference Desk (432-8371).

Reference Desk Hours are:

```
(08:00-19:00) Mon.-Thu.
(08:00-17:00) Fri.
(09:00-17:00) Sat. and Sun.
```

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SPSS PC+ Site Licensing

BCIT has acquired a limited Academic Site License for SPSS PC+, the microcomputer software version of the Statistical Package for the Social Sciences (SPSS). This restricted license was sought because of the economies it generated and that it suited the particular needs of BCIT. The language is basically the same as that of SPSSx on the mainframe at BCIT. Documentation, currently available in the form of the BCIT SPSSx User's Guide, (86:11:28), will be modified to include SPSS PC+. To install the software on a micro, it is required that it be installed on an IBM-compatible machine with 640k and a minimum 20 MB hard disk. The site license agreement will reside with Com- puter Resources and all updates to the software will be sent there directly. A copy of the software, including the text editor REVIEW as well as the base statistics, and a User Guide will be made available for $100. All users of SPSS PC+ (faculty, staff and students) will be required to sign an agreement to abide by the provisions contained in the site license.

For additional information, contact Ron Venne (8538) or Dan Low (8268).

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DOCUMENTATION UPDATE

New:

BCIT Powerhouse User's Guide (87:02:16)

BCIT WATFOR-77 User's Guide (87:04:21)

These user guides are available free to faculty and staff from the User Help Centre, and are available to students, at nominal cost, from the Bookstore.

HARDWARE CHANGES

No hardware changes are planned for this summer.

SOFTWARE CHANGES

No major software changes are planned for this summer.

New Catalogued Procedures

Two new procedures, SEQDSK and SPSSDSKS, are available in the BCIT SVSE procedure library to allow you to use SPSSx and SPSS PC+ in a conceptually similar manner; i.e.:

(1) to create and store data in a sequential disk file,

(2) to create a SPSS system file defining data attributes (value, labels, input and output formats),

(3) to perform data analysis with SPSS procedure calls and the system file.

These catalogued procedures open up a new dimension to using SPSS (at BCIT) which previously had been extremely cumbersome, if not impossible!

The procedure SEQDSK creates a sequential disk file using the utility program DITTO. SEQDSK is not confined to SPSS users, but can be used by any one requiring a VSE sequential disk file.

Figure 2 shows the job setup for SEQDSK and Figure 3, for SPSSDSKS.

Both procedures accept run-time parameters, an ability provided by VSE Release 2.1.

<prgfl> identifies the system file to SPSS

<datfl> identifies the data file

<system file label> = the label that VSE associates with the system file

<data file label> = the VSE label for the data file

<mmm> = the retention period of the system file specified in days and right-justified with leading zeros.

<nnn> = the retention period of the data file

<s> = the disk storage required for the data file; SIZE=1 should suffice.

Note: For continuation of VSE JCL statements a 'C' must be in column 72 and the continued line must start in column 16.

Both procedures are self-documenting. Refer to the comments in the computer printout on their use. If you run into problems, contact Dan Low (8268).

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Figure 1. VSE JCL format

Note: In the JCL statements below, the parameters that you enter are indicated by the symbols "<...>". However, do not enter these symbols as part of your JCL statements.

```
//  EXEC PROC=SEQDSK,DATFIL='<data file label>',DAYS=<nnn>,SIZE=<s>

//  EXEC PROC=SPSSDSKS,                                                  C
        PROG=<prgfl>,SYSFIL='<system file label>',DAY1=<mmm>,           C
        DATA=<datfl>,DATFIL='<data file label>',DAY2=<nnn>,SIZE=<s>  ^
        ^                                                            |
        |                                                            |
        column 16                                          column 72
```

Figure 2. Model Job stream for SEQDSK

```
* $$ JOB JNM=<yourid>,CLASS=A
// JOB CREATE SEQUENTIAL DATA FILE
// EXEC PROC=SEQDSK,DATFIL='<data file label>',DAYS=<nnn>,SIZE=<s>
        .
        .
    your data records
        .
        .
/*
/&
* $$ EOJ
```

Figure 3. Model Job stream for SPSSDSKS

```
* $$ JOB JNM=<yourid>,CLASS=A
// JOB USING SPSS SYSTEM FILE
// EXEC PROC=SPSSDSKS,                                              C
         PROG=<prgfl>,SYSFIL='<system file label>',DAY1=<mmm>,      C
         DATA=<datfl>,DATFIL='<data file label>',DAY2=<nnn>,SIZE=<s>
// EXEC PROC=SPSSX
TITLE SPSS PROGRAM USING SYSTEM FILE
FILE HANDLE <datfl> {/options}
FILE HANDLE <prgfl> {/options}
        .
        .
    SPSS program
        .
        .
FINISH
/*
/&
* $$ EOJ
```

Student Computer IDS

You may be interested in the number of student computer IDS on the IBM 3083 and the HP 3000 computer systems in the 86-87 and 85-86 academic years. These are listed below.

		SEPTEMBER		JANUARY		APRIL
		1985	1986	1986	1987	1987
HP:	Part-time	463	398	478	400	192
	Full-Time	1729	1343	1076	900	900
	all HP	2192	1741	1554	1300	1092
IBM:	Part-time	580	467	532	330	253
	Full-Time	499	713	1006	818	884
	all IBM	1079	1180	1538	1148	1137
TOTAL:		3271	2921	3092	2448	2229