This newsletter is published once per month or 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 everyone 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 John Golini, Chief Systems Programmer.
EXAMPLE 1: Protect a disk dataset whose name is "MYDATA" such that no other user may write on it but others may read it:

//any JOB yourname
// CHARGE projectname
// ACCESS MYDATA
// PROTECT MYDATA

EXAMPLE 2: Copy a deck of cards to a blocked tape named "MYTAPE" and protect it such that no other user may read or write the tape:

//any JOB yourname
// CHARGE projectname
//SYS003 ACCESS MYTAPE
// LABEL 4000,RECLEN=80
// PROTECT MYTAPE,2
// EXEC ASSEMBLE(UPDATE2)
: deck to be copied
: ENDUP
/*

EXAMPLE 3: Allocate a disk dataset whose name is "MYFILL" on TCCRES and protect it such that no other user may write on it:

//any JOB yourname
// CHARGE projectname
NEW LIBRARY SYSTEM

A new user-library system will go into effect on January 14, 1974. It provides facilities for the creation and maintenance of absolute (phase) libraries, subprogram (relocatable) libraries and source libraries. The system consists of a large, resident, directoried dataset called USERLIB (each member of which is a separate library) and a utility program called COPYLIB.

The individual libraries (members) of USERLIB are manipulated by the member handling facilities of 44MFT job control. A 'user' is identified by the user id. which is associated with his project name. Each user may decide on his own 8-character library name(s). Several users may have libraries of the same name since the name is qualified by his user id. (i.e. the user id. can be thought of as an extension to the library name).

The program COPYLIB is used for the creation of new libraries and the use of existing libraries. Execution-time parameters determine the type of library being operated upon and whether the library is being created or used.

A new library is first assembled on a system work unit (i.e. SYS000/SYSPSD for relocatable, SYSAB2 for absolute, SYSIPT for source) and then transferred by COPYLIB to a member of USERLIB. An old library may be used directly from its place on USERLIB or transferred by COPYLIB to a system work unit for use or modification. The library is always accessed to SYS004 for use by COPYLIB.

ABSOLUTE LIBRARIES

An absolute program library may be composed of one or more absolute phases. To create a library use the following job set up:

```
//any JOB yourname
// CHARGE projectname
//name EXEC FORTRAN

 source program and subprograms

/*
 // EXEC LINKEDT(MAP)
/ *

//SYS004 ACCESS USERLIB(libname),NEW
```
RELOCATABLE LIBRARIES

A relocatable subprogram library may be composed of one or more relocatable subprograms. To create a library use the following job set up:

```plaintext
//any JOB yourname
// CHARGE projectname
// EXEC FORTRAN

    ... source for subprograms ...

/*/SYS004 ACCESS USERLIB(libname),NEW
// EXEC COPYLIB(NEW,REL)
/*
```

To use subprograms on a relocatable library use the following job set up:

```plaintext
//any JOB yourname
// CHARGE projectname
//SYS004 ACCESS USERLIB(libname)
// EXEC FORTRAN(CL,G,SYS004)

    ... source for main program ...

/*/SYS
/*

    data for program

/*/...
/*

To modify an existing subprogram in a relocatable library use the following job set up:

```plaintext
//any JOB yourname
// CHARGE projectname
//SYS004 ACCESS USERLIB(libname)
// EXEC COPYLIB(U,REL)
// ACCESS SDS PSD
// DELETE SDS PSD(name) (1)
// EXEC FORTRAN

    ... source for subprogram ...

/*/
//any JOB yourname
//  CHARGE projectname
//SYS004 ACCESS USERLIB(libname)
//SYS003 ACCESS WK1
// EXEC COPYLIB(USE,SRC)

  edit deck

  ENDUP
//SYSIPT ACCESS WK1
// EXEC FORTRAN
// RESET SYSIPT
// EXEC LOADER
/

  data for program

/
/

To modify an existing source library use the following job set up:

//any JOB yourname
//  CHARGE projectname
//SYS004 ACCESS USERLIB(libname)
//SYS003 ACCESS WK1
// EXEC COPYLIB(USE,SRC)

  edit deck for performing modifications

  ENDUP
// ERRLEV 0,EQ
// DELETE USERLIB(libname)
//SYS004 ACCESS USERLIB(libname),NEW
//SYSIPT ACCESS WK1
// EXEC COPYLIB(NEW,SRC)
/

To list a source library use the following job set up:

//any JOB yourname
//  CHARGE projectname
//SYS004 ACCESS USERLIB(libname)
//SYS003 ACCESS SDSOPT
// LABEL 80
// EXEC COPYLIB(USE,SRC)
/

PERIODIC DELETION OF LIBRARIES

In order to maintain USERLIB in reasonable form, any library which hasn't been accessed for a period of 30 days will be automatically deleted. This maintenance procedure will be performed once daily.
A module library of the

IBM SYSTEM/360
SCIENTIFIC SUBROUTINE PACKAGE
(160A-CM-03X)
VERSION 3, MOD 00

as described in

SYSTEM/360 SCIENTIFIC SUBROUTINE PACKAGE
(360A-CM-03X) VERSION III
PROGRAMMER'S Manual
H20-0205-3

is now available at run-time. Its name is SSPLIB. To use it, set up your deck in the following manner:

//any JOB yourname
// CHARGE projectname
//SYS00n ACCESS SSPLIB Note: n may be any digit between 2
// EXEC FORTRAN (CLG,SYS00n)

  program using subroutines in SSPLIB.

  /*
  **
  
  . data
  
  /*
  */

No job-submission card need be included to use this library.