NASA CR-177950

NASA Contractor Report 177950

NASA-CR-177950
19850026207

USER'S OPERATING PROCEDURES

VOLUME III - PROJECTS DIRECTORATE
INFORMATION PROGRAMS

Cynthia G. Harris and Danny K. Harris

PRC KENTRON, INC.
Hampton, Virginia

Contract NAS1-18000
July 1985

NASA

National Aeronautics and
Space Administration

Langley Research Center
Hampton, Virginia 23665

NF00709

1 Report No NASA CR-177950	2 Government Accession No	3 Recipient's Catalog No
4 Title and Subtitle User's Operating Procedures Vol. III Projects Directorate Information Programs		5 Report Date July 1985
		6 Performing Organization Code
7 Author(s) Cynthia G. Harris and Danny K. Harris		8 Performing Organization Report No
		10 Work Unit No
9 Performing Organization Name and Address PRC KENTRON, Inc. 3221 N. Armistead Avenue Hampton, VA 23666		11 Contract or Grant No NAS1-18000
		13 Type of Report and Period Covered Contractor Report
12 Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, DC 20546		14 Sponsoring Agency Code 563-22-68-88

15 Supplementary Notes

Langley Technical Monitor: James C. Ward

16 Abstract

VOLUME III: PROJECTS DIRECTORATE INFORMATION PROGRAMS

This contractor report is a review of the user's operating procedures for the Scout Project Automatic Data System, called SPADS. SPADS is the result of the past seven (7) years of software development on a Prime mini-computer located at the Scout Project Office, NASA Langley Research Center, Hampton, Virginia. SPADS was developed as a single entry, multiple cross-reference data management and information retrieval system for the automation of Project office tasks, including engineering, financial, managerial, and clerical support.
This volume, three (3) of three (3), provides the instructions to operate the Projects Directorate Information programs in data retrieval and file maintenance via the user friendly menu drivers.

17 Key Words (Suggested by Author(s)) Operating Procedures, Management Tool, Data Base, Projects Directorate, Information System, Office Automation	18 Distribution Statement Unclassified - Unlimited Subject Category 61	
19 Security Classif (of this report) Unclassified	20 Security Classif (of this page) Unclassified	21 No of Pages 239	22 Price A11

N 305

USER'S OPERATING PROCEDURES MANUAL
FOR SCOUT PROJECT OFFICE, NASA LARC

N85-34520#

APPENDICES FOR VOLUME III

1.0   INTRODUCTION

During 1981, SPADS was expanded to include program support for the Projects Directorate. These programs store and maintain drawings, parts inventories, mail correspondence, processing documents, and conference registration data. Secretarial support is also provided through Prime's Office Automation System.

This document is intended to provide the operating procedures required for a user to access the Projects' Directorate programs, to retrieve data based on various query parameters, and to maintain the associated data files. Input, Update, Delete, Search, and Report operations will be described and illustrated for each of the Projects' Directorate programs. The following sections are designed to demonstrate the menu driven, user friendly methods by which a user is to operate with either a PT65 or a DATAGRAPHIX-132 terminal. A PT65 is a Prime terminal specialized for use in word processing. A Datagraphix-132 has a 132 character screen and will accommodate wider reports on the terminal screen. Please note that a PT65 must be DOWN-LINE LOADED before entering any program written INFO. These programs are: Mail Log Correspondence, Mechanical Drawings, Electrical Drawings, ACEE Conference Registration, LSAST Conference Registration, and ERBE Conference Registration.

1.1   SECTION DESCRIPTIONS

The purpose of this section is to give a brief description of each of the following sections of this document.

VOLUME III SECTION DESCRIPTIONS

1. INTRODUCTION : Projects' Directorate data base appli-
cation programs and associated oper-
ating procedures for the Office Auto-
mation system.

2. BASIC OPERATIONS : Login, program entry, input screens and
forms, update screens and forms, error
messages, and logout procedures.

3. SPECIAL OPERATIONS : Spooling and emergency / recovery pro-
cedures, archive and quickie operations.

4. OFFICE AUTOMATION : OAS entry menu from the Main Selection
menu.

5. TELEMAIL .NETWORK : Entry and exit procedures, document
transfer operations.

6. MAIL LOG CORRESPONDENCE : All operating procedures for Projects'
daily Mail Log Correspondence and Con-
figuration Change Requests (CCR's).

7. MECHANICAL DRAWINGS : All operating procedures for the Mechan-
ical Drawings for UARS / ERBE projects
which contain drawing information, speci-
fications, and a complete parts inven-
tory.

8. ELECTRICAL DRAWINGS : All operating procedures for the Elec-
trical Drawings for the UARS / ERBE pro-
ject which contain drawing information
and a complete parts inventory.

9. FIPPS PROCESSING : All operating procedures for the FIPPS /
Processing documents for the HALOE and
ERBE projects.

10. ACEE CONFERENCE REG. : All operating procedures for the Com-
posite Structure Conference registration
for the ACEE project.

11. LSAST CONFERENCE REG. : All operating procedures for the Large
Space Antenna Systems Technology Con-
ference Registration for the LSAST pro-
ject.

12. ERBE CONFERENCE REG. : All operating procedures for the Earth
Radiant Budget Experiment Conference
Registration and LOGO order accounting
for the ERBE project.

2.0   BASIC OPERATING PROCEDURES

The purpose of this section is to provide a description of the terminal actions the user must perform in order to login to the Prime 750 computer system, select a program from one of the Projects' Directorate menus, and then exit from the system. Note that all user actions are terminated with a carriage return which is designated by the key marked RETURN on the terminal keyboard. Input screens and forms, update screens and forms, and error messages will also be discussed.

2.1   LOGIN

User actions for logging in to the system are displayed below. The XXX represents the user's initials, N is the terminal line number, HR, MN, and SC are the time the user entered the system in hours, minutes, and seconds, and MM, DD, and YY are the month, day, and year. See the example below:

```
OK, LOGIN PLEASE

  LOGIN XXX
  Password?

XXX (USER N) LOGGED IN  DAY, DD MM YY  HR:MN:SC
Welcome to PRIMOS version REV#.
Last login  Day, DD MM YY  HR:MN:SC

HI !,

ENTER PASSWORD >
```

Note that for security reasons the passwords are not visible on the terminal screen. If no password has been assigned, simply hit the carriage return to continue. An incorrect first password will result in the following error message: 'Invalid user id or password, please try again.'

An incorrect second password will result in an ** ERROR ** message with up to three retries. On the third incorrect attempt, the system will automatically log the user off the system. If the login and password procedures are performed correctly, the user will see a display of the system news on the terminal screen. The system news is a short description of any special events affecting operations of the computer system. See the example below.

```
                    SYSTEM NEWS
                    ===========

    ******************************************************
    *       PR1ME  MONTHLY  PREVENTIVE  MAINTENANCE      *
    *              NOW SCHEDULED FOR THE FIRST           *
    *       MONDAY OF EACH MONTH ... 7 TO 9 AM (EST)     *
    ******************************************************
```

2.2   PROGRAM ENTRY

        After login has been completed, the user must specify the program desired from the appropriate menu. The following sections illustrate the two menus currently supported for the Projects' Directorate.

2.2.1   ETI

        ETI is a government contractor for the Projects' Directorate, and is in charge of the tracking and distribution of all mail correspondence for all of the projects, and provides other services as well. The main selection menu designated for ETI appears as follows:

```
The following is a list of programs for the Projects Directorate
********************************************************************************
                    (0) Logout
                    (1) Correspondence & CCR Mail System
                    (2) Mechanical Drawings & Parts File
                    (3) Electrical Drawings & Parts File
                    (4) Fipps & Processing Documents
                    (5) Old Mail Log Files
                    (6) ACEE Conference Registration
```

Enter Option Number >

2.2.2   PROJECTS DIRECTORATE

The Projects Directorate is currently made up of users from the
ERBE, STFEO, STEP, and other projects, as well as the office of the Director
of Projects. The main selection menu designated for this group appears as
follows:

```
The following is a list of programs for the Projects Directorate
**********************************************************************
                  (0) Logout
                  (1) Office Automation System
                  (3) ERBE   Conference Registration
                  (4) LSAST  Conference Registration
                  (8) TeleMail Network
                  (9) Program Development
```

Enter Option Number >

2.3   PROGRAM EXIT

To leave a program, the user must enter a zero as shown on the menu.
Note that in most cases a carriage return is interpreted as a zero entry.
Exit from a menu returns the user to the previous menu until the exit menu
is reached. The user may then display the spool queue, display all users
currently on the system, send or receive a message, return to the
main selection menu, or logout. These options are covered in further detail
in section 2.8 of this document.

2.4   ENTRANCE TO PRIVILEGED AREAS

Due to the restricted use of certain terminals and files, it has
been found that the use of password security for entry into various program
options is not necessary. However, the FIPPS file does provide internal

security checks on user ID's for the Input, Update and Archive routines.

2.5   INPUT OPERATIONS

The purpose of this section is to describe the procedures used for inputting records into the data base.

2.5.1   INFO INPUT SCREENS

The following programs use INFO input screens for their input mode of operation: Mail Log Correspondence, Mechanical Drawings, Electrical Drawings, and ACEE, LSAST, and ERBE Conference Registration. As the data is entered for each field, a carriage return will place the cursor in position to enter data into the next field. If several records are being input and the data for a particular field is identical to the data for that same field in the record that was input previously, pressing the tab key at that field position will enter the same data for that field and then position the cursor at the next field on the input screen. The tab key is also useful in skipping a field that is to remain blank and positioning the cursor to the next field. If all the desired fields have been filled and the user wishes to exit from the record without using the return or tab key at each field, the user may press the COMMAND or CONTROL key and 'A' simultaneously. When this is done, or when the user is completely finished inputting data for that record, the following message will appear on the terminal screen:

IS THIS RECORD ACCEPTABLE (Y,N,Q,L OR E) >

where the Y stands for YES, the N stands for NO, the Q stands for QUIT, the L stands for LAST and the E stands for EXIT. If a 'Y' response is selected, the record will be added to the data base and an empty input screen will be displayed for additional input. If an 'N' response is selected, the cursor

will be positioned at the first field in the record and the user may tab to the incorrect field for re-input. If a 'Q' response is selected, the record will not be added to the data base and an empty input screen will be displayed for additional input. If an 'L' response is selected, the record will be added to the data base and the user is exited from the input screen. If an 'E' response is selected, the record will not be added to the data base, and the user is exited from the input screen.

2.5.2 FORTRAN INPUT FORMS

The FIPPS program uses a FORTRAN input form in its input mode of operation. FIPPS represents Fabrication Inspection Process Procedures. All data field entries must be placed between exclamation points, one line (or one field) at a time. For example:

```
#3)  AUTHOR
     !                                                    !
```

When all the data has been entered for a record, the entire record will be displayed along with the prompt 'RECORD CORRECT (COR OR REV) >'. If the user responds with 'COR' the record will be added to the data base. If the 'REV' response is selected the system will prompt for the number of fields, and which fields, that are to be corrected.

2.6 UPDATE OPERATIONS

The purpose of this section is to describe the procedures used to update or revise a record within the data base.

2.6.1 INFO UPDATE SCREENS

All INFO update screens are identical to their corresponding input

screens. The user must press the tab key to position the cursor to the field that is to be updated. A return will enter the new value for that field and will position the cursor tc the next field. When updating has been completed and either the tab key is pressed through all the fields present on the update screen, or the COMMAND or CONTROL key and 'A' are pressed simultaneously, the following message will be displayed at the terminal screen: 'IS THIS RECORD ACCEPTABLE (Y,N,Q,L OR E) >' in which Y, N, Q, L, and E represent the same options that are discussed in section 2.5.1 of this document.

2.6.2   FORTRAN UPDATE FORMS

FORTRAN update forms are generated similarly to the FORTRN input forms. Data is entered between exclamation points one line (or one field) at a time. For further details refer to section 2.5.2 of this document.

2.7   ERROR MESSAGES

Some data field values are checked internally for accuracy. If an incorrect value is entered, an error message is displayed at the terminal screen, and the user is required to reenter the value.

2.8   SYSTEM EXIT / LOGOUT

The exit menu that is generated when any program has been exited appears as follows:

```
=====================================================================
                           (0) LOGOUT
        (9) DISPLAY SPOOL QUEUE        (69) SEND    MESSAGE  TO  USER
        (19) DISPLAY  ALL   USERS      (79) ANSWER MESSAGE FROM USER
                 (99) RETURN TO SPADS MAIN MENU
=====================================================================
```

ENTER OPTION >

Option 0 performs a system logout. An example of logout follows:

XXX   (N) LOGGED OUT MMDDYY   HR:MN:SC
Where XXX, N, MM, DD, YY, HR, MN, and SC are the same as in Section 2.1.

Option 9 provides a list of printouts in the spool queue:

ENTER OPTION > 9

[SPOOL rev 19.1.0]

user	prt	time	name	size	opts/#	form	defer	at: PRO
CGH	001*	8:39	BASIC	3				
CGH	002*	8:39	HIST	6	F	2	COMP	A
DKH	003	8:42	BOOK	27	F			

* means file being printed.

Option 19 provides a list of users currently on the system:

ENTER OPTION > 19

User	No	Line	Devices	
SYSTEM	1	asr	<COMDEV>	
CGH	2	0	<SPODEV>	
CL1	6	4	<PRJDEV>	<OASDEV>
CH1	9	7	<PRJDEV>	<OASDEV>
PMK	10	10	<SPODEV>	<OASDEV>
DKH	12	12	<USRDEV>	
GMG	17	17	<SPODEV>	<OASDEV>
FS2	28	32	<SPODEV>	<OASDEV>

Option 69 allows the user to send a multiple line message to an-
other user currently logged into the system. This option may also be in-
voked by option 11 on the OAS main menu (see section 4.0 of this document).
A list of currently available users will be displayed on the terminal
screen along with a list of available commands. The appropriate user ID
must then be entered. The system will then 'call' the desired user, who
must answer the call before the message may be sent. If the user does not
answer his 'ring', an opportunity will be given to call again or exit the

routine. At the prompt 'SEND>', type the message. Multiple lines may be entered. To end the message, press ts the 'CMND' or 'CONTROL' key and the 'E' key simultaneously, and then enter a carriage return. This must be the first character entered at the 'SEND>' prompt. To exit the routine, press the 'CMND' key or the 'CONTROL' key and the 'P' key simultaneously, and enter option 4 on the menu. See the following example.

ENTER OPTION > 69

...................ACTIVE USER LIST..................

```
CGH                 DPB                 DKH
SL1                 GMG                 PMK
CH1                 CL1                 PH1
```


        AVAILABLE COMMANDS

            1. CALL
            2. ANSWER
            3. ACTIVE USERS
            4. DISCONNECT

CMD>1
WHO DO YOU WISH TO CALL
*
GMG
ONE MOMENT PLEASE...
*
PHONE IS RINGING...
*

YOUR PARTY IS NOT RECEIVING CALLS AT THIS TIME !

        AVAILABLE COMMANDS

            1. CALL
            2. ANSWER
            3. ACTIVE USERS
            4. DISCONNECT

CMD>3

```
.................ACTIVE USER LIST.................

   CGH                  ABR                  DKH
   SL1                  GMG                  PMK
   CH1                  CL1                  FS2

         AVAILABLE COMMANDS

            1. CALL
            2. ANSWER
            3. ACTIVE USERS
            4. DISCONNECT

CMD>1

WHO DO YOU WISH TO CALL
*
CGG
ONE MOMENT PLEASE...


*
PARTY NOT LOGGED IN !

         AVAILABLE COMMANDS

            1. CALL
            2. ANSWER
            3. ACTIVE USERS
            4. DISCONNECT

CMD>1
WHO DO YOU WISH TO CALL
*
CGH
ONE MOMENT PLEASE...
*
PHONE IS RINGING...
*
YOUR PARTY IS NOT RESPONDING...CONTINUE WAITING(Y/N)
Y
*
WAITING...
*

TYPE CNTL  -P-  TO HANGUP PHONE
*
TYPE CNTL  -E-  TO END MESSAGE
SEND>THIS IS A TEST MESSAGE
SEND>THIS IS THE LAST LINE OF THE MESSAGE
SEND>(* CNTL E * return *)
*
DATA SENT....WAITING FOR RESPONSE
```

```
******************************************************************************
THANK YOU FOR MESSAGE.  GOODBYE.
******************************************************************************

TYPE CNTL  -P-  TO HANGUP PHONE
*
TYPE CNTL  -E-  TO END MESSAGE
SEND>(* CNTL E * return *)
*
LINE DISCONNECTED
*

        AVAILABLE COMMANDS

        1. CALL
        2. ANSWER
        3. ACTIVE USERS
        4. DISCONNECT

CMD> 4
```

Option 79 allows the user to receive a multiple line message from another user currently logged into the system. This option is also invoked by option 12 on the OAS main menu (see section 4.0 of this document). When a user receives the following message:

```
'*** XXX (user #) AT HH:MM
INCOMING CALL ... TYPE PHONE ! '
```

where XXX is a user ID and HH:MM is the time in hours and minutes, this indicates that the user, after exiting his current program, should type '79' at the Exit menu. A list of the currently available users will be displayed on the terminal screen, along with a list of available commands. Next, 'PLEASE HOLD ... INCOMING CALL' will be displayed. A longer message may take several minutes to be typed in by the sender. After the message has been sent, the prompt 'SEND>' will appear, at which a reply may be sent. This operation is described under option 69 in the previous paragraph. See the following example.

ENTER OPTION > 79

.................ACTIVE USER LIST.................

CGH   DCM   DKH
SL1   GMG   PMK
CH1   CL1   FS2

        AVAILABLE COMMANDS

             1. CALL
             2. ANSWER
             3. ACTIVE USERS
             4. DISCONNECT

CMD>2
*
PLEASE HOLD...INCOMING CALL

****

THIS IS A TEST MESSAGE
THIS IS THE LAST LINE OF THE MESSAGE
****

TYPE CNTL -E- TO END MESSAGE
*
TYPE CNTL -P- TO HANGUP PHONE

SEND>THANK YOU FOR MESSAGE. GOODBYE.
SEND>(* CNTL E * return *)

DATA SENT...WAITING FOR RESPONSE
*
LINE DISCONNECTED
*

        AVAILABLE COMMANDS

             1. CALL
             2. ANSWER
             3. ACTIVE USERS
             4. DISCONNECT

CMD> 4

        Option 99 will restart the appropriate main selection menu.

3.0   SPECIAL OPERATIONS

This section will discuss special operating procedures which include spooling and emergency / recovery procedures.

3.1   PRINTOUT SPOOLING

All of the available programs display a series of questions upon request to get a hard copy of a listing or report by the user. This printing process is called spooling. Note that the system printer located in the Scout Project computer room is approximately 25 times faster than any of the Letter Quality Printers, LQP's on the system. The printer located at ETI is printer H, a Printronix line printer which is half the speed of the Scout system printer.

The only LQP designated to have long computer paper is LQP A, located in the Scout Project Office. Due to its slow speed, this LQP should spool a large printout or a large number of copies only in the case of an emergency.

To spool a printout, the user first responds to the location and type of printer to which the desired output is to be spooled. A zero entry is used to cancel the output desired. The user must then enter the number of copies desired, the maximum of which is five (5). A zero entry for the number of copies will also cancel the output desired. Below are the spooling menus currently available for ETI and Projects' Directorate.

```
OUTPUT TO :
0)   NO OUTPUT !!!
1)   SCOUT  PROJECT OFFICE / LARC, NASA
2)   VOUGHT CORPORATION    / DALLAS, TX
3)   PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER >
```

Option 1 generates the menu for the Scout Project office printer options:

```
OUTPUT TO :
     0)   START OVER
     1)   LQP A - COMPUTER PAPER
     2)   LQP B - SINGLE   SHEET
     3)   LQP G - DUAL     SHEET
     4)   SCOUT   SYSTEM   PRINTER

ENTER OPTION NUMBER >
```

Option 2 generates the menu for the Vought Corporation office printer options:

```
OUTPUT TO :
     0)   START OVER
     1)   LQP S - SINGLE   SHEET
     2)   LQP T - COMPUTER PAPER
     3)   DALLAS  SYSTEM   PRINTER / W

ENTER OPTION NUMBER >
```

Option 3 generates the menu for the Projects Directorate printer options:

```
OUTPUT TO :
     0)   START OVER
     1)   LQP C - SINGLE   SHEET
     2)   LQP D - SINGLE   SHEET
     3)   LQP E - SINGLE   SHEET
     4)   LQP F - SINGLE   SHEET
     5)   ETI     SYSTEM   PRINTER / H

ENTER OPTION NUMBER >
```

The zero option on the Scout printer, the Dallas printer, and the Projects' Directorate printer menus will restart the main spool menu.

After the desired printer option has been selected, a prompt for entering the number of copies appears as follows:

```
ENTER NUMBER OF COPIES > 0
      (MAX.  OF  5)
      (0  TO  ABORT)
```

A 'NO OUTPUT SPOOLED !!!!!!' message appears on the terminal screen on a zero entry for number of copies or at the main spool menu.

The zero (0) option on both the Scout and the Projects' Directorate printer menus will restart the main spooling menu.

After the desired printer has been chosen, a prompt for entering the number of copies appears as follows:

```
ENTER NUMBER OF COPIES > 0
      (MAX.  OF  5)
      (0  TO  ABORT)

  NO OUTPUT SPOOLED !!!!!
```

OAS spooling is a different function from the Projects' Directorate application programs and is briefly discussed in Volume I, Section 4.0 of this document.

3.2   EMERGENCY / RECOVERY

The following procedures have been designed to allow the user to recover, should an error occur, and to continue normal operations.

3.2.1   SOFTWARE / OPERATOR ERRORS FOR PROGRAMS

If an errror occurs and sends the user out of any of the following programs: Mail Log Correspondence, Mechanical Drawings, Electrical Drawings, ACEE Conference Registration, or LSAST Conference Registration, the user will be in the Prime 750 operating system, and the following message will be displayed: 'ENTER COMMAND >'. The user should type 'Q STOP' and press RETURN in

order to cleanly exit.

If a user experiences an error in the FIPPS file, the following message will be displayed: 'ERROR: C ALL / SPADS'. The user should then type 'C ALL' and press RETURN. This step is very important to the recovery procedure since it closes all open files the user was using. The user should then type 'SPADS' and RETURN to restart the main selection menu.

Users operating a PT65 must not enter an INFO program area, all programs except FIPPS, unless the PT65 has been downline loaded. If the user has turned the power off of the terminal, if the system has been shut down, or if the terminal has lost power due to a power surge or electrical 'glitch' experienced by the building, the terminal must be downline loaded.

3.2.2   FILE IN USE

All programs allow only one user at a time within a data file area. When a user attempts to select a program that another user has accessed, a 'File in Use' message will be displayed on the terminal screen. If the user has selected the Mail Log Correspondence file, the Mechanical Drawings file, the Electrical Drawings file, the ACEE Conference Registration file, or the LSAST Conference Registration file, the prompt 'ENTER USER NAME >' will be displayed on the terminal screen. The user should type 'STOP' and RETURN. This will be followed by the Exit menu described in section 2.8 of this document.

If the user has selected the FIPPS file and the file is in use, the user is not required to enter anything, but will be returned directly to the Exit menu described in section 2.8 of this document.

3.3   EMERGENCY / RECOVERY FOR OAS

The following procedures have been found to help the user to recover in OAS should an error occur. OAS generally traps most operator errors and provides internal recovery automatically. This section is designed to demonstrate those procedures which are not taught in Prime's OAS training class.

3.3.1   SOFTWARE / OPERATOR ERRORS

If an error occurs which totally locks up a PT65 keyboard or blanks out a document on a terminal screen, the user should try the following steps:

(1) While holding down the COMMAND key, hit the P key 3 times. OAS should respond with a message at the bottom of the screen. If not, proceed to step 2.

(2) Turn the terminal power off, and then back on. Hit the RETURN key and then repeat step 1.

This procedure should produce the following message at the bottom of the screen: '(E) TO EXIT   RETURN TO OAS MENU'. The user should always respond with the E option followed by 'C ALL', and then 'SPADS'. Note that the PT65 terminal must be downline loaded before any program or OAS is entered.

4.0   OFFICE AUTOMATION SYSTEM

OAS is option number 4 on the SPADS Master Menu. When this option
is taken, the following Menu is displayed on the terminal.

```
===========================================
WELCOME TO THE OFFICE AUTOMATION SYSTEM
===========================================
   (0)   Logout   Menu
   (1)   OAS      Menu
   (2)   ATM      Menu
   (3)   Downline Load PT65  ONLY
   (4)   Downline Load PT65, Then OAS Menu

   (5)   Check USER  Status
   (6)   Check SPOOL  QUEUE   Status
   (7)   Cancel SPOOLED Output File
   (8)   'PUSH'  BLANK  page to LQP

   (9)   Display SYSTEM News
  (10)   Display OAS    News
  (11)   Send   Message  to  User
  (12)   Answer Message from User

  (55)   OAS Administrator Functions
  (77)   Telemail Network
  (99)   Return to SPADS MAIN Menu

   Enter Option:
```

Option 0 generates the logout menu, which displays all line
numbers on which the user is logged in with the same User ID, along with the
line number on which the user is currently logged in. The user must then
enter the line number that is to be logged out: either that for the current
terminal, or for another terminal. This procedure is very useful in cases
such as a locked keyboard on a PT65 terminal which needs to be force logged
out. Rather than calling the system administrator, the user may login to
another terminal, access the logout menu, and logout the problem terminal.
See the example below:

Enter Option: 0

User	No Line Devices
CGH	2 0 <OASDEV><COMDEV><USRDEV>
CGH	11 11 <SPODEV><USRDEV>

You are currently logged in on User Line Number   2

Enter user line number to be logged out: 16

Can't log user 16 out.

(Back to OAS menu)

Enter Option: 0

User	No Line Devices
CGH	2 0 <OASDEV><COMDEV><USRDEV>
CGH	11 11 <SPODEV><USRDEV>

You are currently logged in on User Line Number   2

Enter user line number to be logged out: ** return **

*************** No Logout Performed

(Back to Oas menu)

Enter Option: 0

User	No Line Devices
CGH	2 0 <OASDEV><COMDEV><USRDEV>
CGH	11 11 <SPODEV><USRDEV>

You are currently logged in on User Line Number   2

Enter user line number to be logged out: 11

*************** Requested User Line Number Logged Out

(Back to OAS menu)

Enter Option: 0

User	No Line Devices
CGH	2 0 <OASDEV><COMDEV><USRDEV>

You are currently logged in on User Line Number   2

Enter user line number to be logged out: 2

CGH (user 2) logged out Friday, 20 Jul 84 10:34:48.
Time used: 02h 32m connect, 07m 04s CPU, 01m 34s I/O

If the PT65 has already been 'DOWNLINE LOADED', then Option 1 will take the user directly into the OAS Main Menu. A special note on Option 1: If the PT65 terminal has lost its 'LOAD', the OAS system will ask for the terminal type (pt65, pt45, pt45AA, pt25, pst100, fox, owl, tty) ID code. DO NOT enter pt65 because of possible recovery problems. Recovery steps are as follows: (a) enter terminal type 'tty', (b) enter user ID and password as usual, (c) when OAS asks 'Enter Option: >' exit with a 9, (d) the above menu should again be displayed and Option 4 should be performed to reinitialize the DOWNLINE LOADING process.

Option 2 provides entry into the Advanced Text Management (ATM) Module for proofreading and dictionary maintenance.

Options 3 and 4 will DOWNLINE LOAD the PT65, which is required in order to operate with OAS. Option 3 will perform the DOWNLINE LOAD only, while Option 4 will DOWNLINE LOAD the terminal and then display the OAS Main Menu. If the PT65 has not been 'DOWNLINE LOADED', or if the previous 'LOAD' is not known then Option 3 or Option 4 should be selected. A clicking sound will be made as the terminal is loaded; this process will last about 15 seconds to 2 minutes depending upon the operating speed of the terminal.

Option 5 is used to display at the terminal screen all the users currently logged into the system.

Option 6 can be used to view the spool queue for the current status of any output documents to any printers.

Option 7 can be used to cancel an output spooled to any printer. It will display the spool queue as in Option 6 followed by the instructions for cancelling the output. It should be noted that a document which has already started printing or which was spooled by another user cannot be cancelled. Cancelling is performed by entering the document's PRT number which

is displayed in the spool queue listing.

Option 8 is used to perform the spooling of a blank page to any letter quality printer. This is usually done in order to 'push' a previously spooled document out on a specified printer. Option 8 will display the spool queue as in Option 6 followed by the instructions for performing the 'push'. Designation of the printer is done by LQP letter as in the OAS print menu.

Option 9 displays the SYSTEM NEWS at the terminal screen, which is normally viewed at login time.

Option 10 displays the OAS NEWS at the terminal screen which displays all printers currently supported by the system. This same news message may be invoked by Option 6 on the OAS Main Menu.

Option 11 allows the user to send a message to another user currently logged into the system. A list of available recipients is displayed on the terminal screen. Refer to section 2.8 of this document for further instructions and examples of this option.

Option 12 allows the user to answer a message that was sent from another user using Option 11. Refer to section 2.8 of this document for further instructions and examples of this option.

Option 55 provides entry into the OAS System Administrator Module for major OAS file maintenance. This privileged option requires a password and is to be used only by the OAS System Administrator.

Option 77 provides entry into the Telemail / Telenet Network in which one may send or receive documents from other participating facilities. Detailed instructions and procedures related to Telemail can be found in section 5.0 of this document.

Option 99 is used to restart or reinitialize the user as if just

logged into SPADS.

Further operation within OAS is not a subject of this document and is addressed in PR1ME's OAS Manuals which accompany their training class. Those manuals include: DOC6754-040P OAS Advanced Text Management Guide, DOC6755-040P OAS Management Communications and Support, and DOC6756-040P OAS Word Processing Guide (PT65).

Emergency exit from OAS will result in the displaying of the following message: 'ERROR: C ALL / SPADS >'. Typing 'C ALL' closes all files left open by the illegal exit from the OAS system. Typing 'SPADS' will then restart the SPADS main entry menu. Typing an 'LO' will perform a user logout.

5.0   TELEMAIL NETWORK

The   purpose of this section is to describe   and illustrate the   basic procedures in operating with the Telemail / Telenet Network, which is invoked by selecting the Telemail option (option 77) on the OAS main menu.

5.1   TELEMAIL GENERAL ENTRY

When the   Telemail option is selected from the OAS menu, the date   and time will be displayed at the terminal screen   along with   a list of all   the files   located   within   the   user's   directory   and   the   following   message: 'Before proceeding record the como file name closest to the   above   date   and time.'   The user is now at PRIMOS level, and should record the COMO file name that   matches   the   date   and   time.   For   example,   if   the   date   and   time are '6   July 84 13:03:56 Friday', then   the   COMO   file   will   appear   as 'COMO840706.130356'.

The user   will   then type   'DIALOUT'. The following prompt   will   be displayed: 'Enter   baud rate of host port'   at which the   user should   enter '1200'.   The following   will   then be   displayed: 'Enter   line   number   ...
                                                                      53
                                                          Terminal mode . . . '

The user will then press RETURN to connect to the MICOM switching system   and a MICOM message will appear as follows:

>   NASA LANGLEY CENTRAL COMPUTERS/MICOM
>   ENTER RESOURCE

The user should then type   'TELENET' without hesitation.   The   word 'GO' will appear on the   terminal screen and the   user will   then   press RETURN twice. Next, 'TERMINAL =' will be displayed, and the   user   will   press RETURN.   The symbol '@' will then appear and the user will type 'TELEMAIL'.   At the prompt

'USER NAME' the user should enter the appropriate user ID. At the next prompt, 'PASSWORD', enter the appropriate password. Note that the password will not be visible on the terminal screen as it is entered. Telemail will respond with the following messages:

```
Welcome to GTE Telenet's TELEMAIL service!
TELEMAIL is a servicemark of GTE Telenet Communication Corporation.
Copyright 1984
Your last access was  Friday, May  4, 1984   3:06 PM  EDT
Today is  Friday, July 6, 1984   9:07 AM  EDT

CHECK these bulletin boards:
      TELEMAIL
      NASA

      No new mail.

Command?
```

5.2   TELEMAIL EXIT

To exit the Telemail Network, type 'BYE', and Telemail will respond with the following messages:

```
This mail session is now complete.
TELEMAIL DISCONNECTED
```

To disconnect from MICOM, press the COMMAND key and the 'C' key simultaneously.

The user will then be returned to the DIALOUT program and the following will be displayed:

COMMANDS: TERMINAL MODE, SEND FILE, RECEIVE FILE, QUIT, DISCONNECT

The user will then type 'Q' for QUIT, and will then be returned to PRIMOS level. The message 'Exiting dialout program ...' will be displayed. Next, the PRIMOS prompt 'OPTION: OAS/SPADS/LO' will be displayed. If the user enters 'OAS', the OAS menu will be displayed. If 'SPADS' is entered, the SPADS main menu will be displayed, and if 'LO' is entered, a system logout will be performed.

5.3   CLEANUP OF PRIMOS FILES

This procedure is performed at the PRIMOS level which can be reached by one of two methods: entry from the OAS Menu as described in section 5.1 of this document, or entry by exiting from a Telemail session as described in section 5.2 of this document. At the PRIMOS prompt 'OPTION: OAS/SPADS/LO' the user will enter 'CLEANUP'. The PRIMOS system will then display each file within the user's directory area as a prompt. A 'Y' response will indicate that the file is to be deleted, whereas a response of 'N' will indicate that the file is not to be deleted. Note that any files beginning with a 'T$' should be deleted. In order to verify those files that have been selected for deletion, the user responds with a 'Y' or an 'N' for each file again. A message will then be displayed for each file as it is deleted, such as:

```
'T$0001' deleted.
'J00066.EXPORT' deleted.
```

5.4   SENDING A DOCUMENT

The document to be transported must first be created within OAS. Note that Telemail requires that the last line be blank with a '.' in the first column. This indicates that the text portion of the Telemail document has been completed. Use the OAS Word Processing menu export option to transport the OAS document to PRIMOS level. Then exit OAS and enter the Telemail

Network as described in section 5.1 of this document. At PRIMOS level, write down the name of the desired transfer document, for example: 'H00066.EXPORT'. When the user COMPOSEs a Telemail document, the following must be entered:

TO:
CC:

SUBJECT:

TEXT: Press COMMAND AND C simultaneously.

The following will then be displayed:

COMMANDS: TERMINAL MODE, SEND FILE, RECEIVE FILE, QUIT, DISCONNECT

Next, type 'S'. The prompt 'GIVE THE NAME OF THE FILE TO BE SENT' will be displayed, and the user now enters the name of the transfer document. Note that the document name will not be visible on the terminal screen as it is being entered. The OAS document will then be put in as the text of the Telemail document. For further information on the COMPOSE command, refer to the Telemail booklets: 'Introduction To Telemail', Parts 1 and 2 - 'Basic User Training' and 'Advanced User Training'.

After sending a Telemail document, the user will be returned to PRIMOS level and may type either 'OAS', 'SPADS', or 'LO'. At this time, the user may wish to perform a cleanup of the PRIMOS level directory files as described in section 5.3 of this document.

5.5   RECEIVING A DOCUMENT

Enter telemail using the same procedures as described in section 5.1 of this document, and read the incoming documents as described in 'Introduction To Telemail Part 1' - Basic User Training. Further read options are discussed in 'Introduction to Telemail Part 2' - Advanced User Training.

Exit Telemail as described in section 5.2 of this document. At the PRIMOS level prompt 'OPTION: OAS/SPADS/LO' type 'OAS'. Enter OAS and select the OAS Word Processing menu import option. Import the previously recorded COMO file which contains the incoming Telemail document. In the example, the PRIMOS filename was COMO840521.130356. Enter the OAS Word Processing menu edit option to delete the extraneous material and edit as desired.

6.0   MAIL LOG CORRESPONDENCE FILE

The Mail Log Correspondence file program tracks the mail correspondence for the Projects Directorate. Data is stored in two files in this area: the Configuration Change Request (CCR) file and the Correspondence file. A Project lookup table is also contained in this data base area. Information is stored in the fields listed below.

Field names for the CCR file :

PROJECT CODE	CCR NUMBER	DATE ISSUED
INITIATOR	DOCUMENT AFFECTED	CURRENT STATUS
DISPOSITION	DESCRIPTION	REMARKS
	INPUT DATE	

It should be noted that the Input Date is entered for each record automatically by the system, and therefore that particular field name will not be visible on the input screen.

Field names for the Correspondence file :

PROJECT CODE	DOCUMENT DATE	SOURCE
AUTHOR	REFERENCE NUMBER	FILE CODE
FILE FOLDER	DOCUMENT FILE	DESCRIPTION
SEQUENCE NUMBER		INPUT DATE

It should be noted that both the Sequence Number and the Input Date are input for each record automatically by the system. Therefore, these fields do not appear on the input screen for the Correspondence file. The Sequence number is used in the Update and Delete routines, and is visible on the output resulting from the Search and Report routines.

- page 29 -

The Input Date field in both files is used for performing a search on all records that were input on a certain date.

The Mail Log Correspondence File main menu contains five (5) options: Input, Update, Delete, Search and Report, and appears as follows:

MAIL LOG TRACKING MAIN MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1. Input   Menu
2. Update   Menu
3. Delete   Menu
4. Search   Menu
5. Report   Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

Each of these options will be discussed in detail in the following sections.

6.1   INPUT OPTION

When the Input option is selected from the main menu, the Mail Log Correspondence file Input menu appears as follows:

MAIL LOG TRACKING INPUT MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1. Input to the CCR File
2. Input to the Correspondence File
3. Input to the Projects Lookup Table

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

Option 1 allows the user to input records into the Configuration Change Request (CCR) file data base. The input screen for the CCR file area area appears as follows:

```
              PROJECTS DIRECTORATE CCR INFORMATION
              ----------------  -----------------------


PROJECT >..    1. LDEF    CCR NUMBER >...............<        DATE ISSUED :
               2. ODP                                         MM/DD/YY >..........
   ........    3. ACEE    INITIATOR  >....................<
               4. TRW
               5. ERBE   DOC. AFFECTED  >...................<
               6. ALSO
               7. UARS   CURRENT STATUS >.............<

DISPOSITION : >...............................<
              >...............................<
              >...............................<
DESCRIPTION : >..........................................................................<
              >..........................................................................<
    REMARKS : >..........................................................................<
              >..........................................................................<
```

Option 2 allows the user to input records into the Correspondence
file data base. The input screen for the Correspondence file area appears
as follows:

```
            PROJECTS DIRECTORATE CORRESPONDENCE INFORMATION
            --------------------------------------------------


DOCUMENT DATE (MM/DD/YY) >..........      SOURCE > .............................

PROJECT > ..      1. LDEF               AUTHOR > ............................
                  2. ODP
   ........       3. ACEE               REFERENCE NUMBER > ....................
                  4. TRW
                  5. ERBE              FILE CODE > ........
                  6. ALSO
                  7. UARS              FILE FOLDER > ..../........
                  8. STFE
DESCRIPTION:                           DOCUMENT FILE > ............
-----------
>.............................................................<
>.............................................................<
>.............................................................<
```

When input has been completed, the user will be returned to the
Mail Log Correspondence file input menu.

Option 3 allows the user to add records to the project lookup

table used in the Mail Log Correspondence file. A listing of the records currently in the lookup table will be displayed within the input routine. When input has been completed, the user will be returned to the Mail Log Correspondence file input menu. See the following example:

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM INPUTS TO THE PROJECT LOOKUP TABLE

THE CURRENT PROJECT LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
===

```
$RECNO    CODE  PROJECT
     1    1     LDEF
     2    2     ODP
     3    3     ACEE
     4    4     TRW
     5    5     ERBE
     6    6     ALSO
     7    7     UARS
     8    8     STFE

     9
CODE> 9

PROJECT> LSAST

    10
CODE> ** return **
```

        1 RECORD(S) ADDED

THE PROJECT LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
===

```
$RECNO    CODE  PROJECT
     1    1     LDEF
     2    2     ODP
     3    3     ACEE
     4    4     TRW
     5    5     ERBE
     6    6     ALSO
     7    7     UARS
     8    8     STFE
     9    9     LSAST
```

6.2 UPDATE OPTION

When the Update option is selected from the main menu, the Mail Log Correspondence file Update menu appears as follows:

MAIL LOG TRACKING UPDATE MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1. Revise Record in the CCR File
2. Revise Record in the Correspondence File
3. Revise Record in the Projects Lookup Table

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

Option 1 allows the user to revise records in the Configuration Change Request (CCR) data base. In order to retrieve the desired record, the user must enter the appropriate CCR number. If the desired record is found, it will be displayed in an update screen similar to the input screen illustrated in section 6.1 of this document. If no records are found containing the entered CCR number, 'ITEM NOT FOUND' will be displayed. The user must then enter another CCR number or enter a carriage return to return to the Update menu. If multiple records are found having the same CCR number only the first record found will be displayed on the update screen. To retrieve the subsequent records, type an "=" at the prompt 'CCR-NUMBER?>'. When update has been completed, the user will be returned to the Mail Log Correspondence Update menu. Refer to the following example illustrating the exit path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM ALLOWS REVISIONS TO THE CCR FILE BY ENTERING

THE CCR NUMBER OF THE RECORD YOU WANT TO BE CHANGED.

CCR-NUMBER?>678-83-002

ITEM NOT FOUND

CCR-NUMBER?> ** return **

Option 2 allows the user to revise records within the Correspondence file data base. In order to retrieve the desired record, the user must enter the appropriate record sequence number. This sequence number is displayed in any of the search routines provided in the Search menu. If the desired record is found it will be dislayed in an update screen similar to the input screen illustrated in section 6.1 of this document. If multiple records are found having the same sequence number, only the first record found will be displayed in the update screen. To retrieve the subsequent records, type an "=" at the prompt, 'SEQ-NUMBER?>'. If no records are found having the entered sequence number, 'ITEM NOT FOUND' will be displayed and the user must enter another sequence number, or enter a carriage return in order to return to the Update menu. When updating has been completed, the Correspondence file will be sorted, which may sometimes be slow, and then the user will be automatically returned to the Mail Log Correspondence file Update menu. Refer to the following example for the exit path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM ALLOWS REVISIONS TO THE CORRESPONDENCE FILE BY

ENTERING THE SEQ-NO OF THE RECORD YOU WANT TO BE CHANGED.

ENTER PROJECT CODE NO. > 5

1 LDEF
2 ODP
3 ACEE
4 TRW
5 ERBE
6 ALSO
7 UARS
8 STFE

SEQ-NO?> 120

ITEM NOT FOUND

SEQ-NO?> ** return **

PLEASE STAND BY .... SYSTEM HOUSEKEEPING IN PROGRESS

THIS IS A SLOW SORTING PROCESS!!!!

Option 3 allows the user to update records within the project lookup table. A listing of the records currently contained in the table is displayed within the update routine. When updating has been completed, the user will be returned to the Mail Log Correspondence file Update menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM UPDATES RECORDS IN THE PROJECT LOOKUP TABLE

THE CURRENT PROJECT LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
==

```
$RECNO    CODE PROJECT
    1      1   LDEF
    2      2   ODP
    3      3   ACEE
    4      4   TRW
    5      5   ERBE
    6      6   ALSO
    7      7   UARS
    8      8   STFE
```

RECNO?> 8

```
                8
CODE           = 8

PROJECT        =STFE
```

CODE> 8

PROJECT> STOP

RECNO?> ** return **

THE PROJECT LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
===

```
$RECNO    CODE  PROJECT
    1      1    LDEF
    2      2    ODP
    3      3    ACEE
    4      4    TRW
    5      5    ERBE
    6      6    ALSO
    7      7    UARS
    8      8    STOP
```


6.3   DELETE OPTION

When the Delete option is selected from the main menu, the Mail

Log Correspondence file Delete menu appears as follows:

MAIL LOG TRACKING DELETION MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. Delete Record in the CCR File
2. Delete Record in the Correspondence File
3. Delete Record in the Projects Lookup Table

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

Option 1 allows the user to delete a record from the CCR file data

base. The desired record must be retrieved by entering the appropriate

CCR number. If the desired record is not found, a message stating so will

be displayed, and the user will be returned to the Delete menu. If a record

is found corresponding to the CCR number entered, it will be displayed on the

terminal screen along with a prompt for the user to indicate whether that

record is to be deleted. If the user enters a 'Y' response, the system will

internally purge the record, and the user will be returned to the Delete

menu. If the user responds with 'N', the record will remain unchanged, and

the user will be returned to the Delete menu. See the following examples.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM ALLOWS FOR THE DELETION OF A RECORD FROM THE
CCR FILE  BY ENTERING THE CCR-NUMBER FOR THE DESIRED RECORD

ENTER CCR NUMBER > 52

********** ERROR *********** CCR NUMBER  52          NOT FOUND
TRY AGAIN IF YOUR ERROR  --------- NOTIFY ANALYST OTHERWISE


SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM ALLOWS FOR THE DELETION OF A RECORD FROM THE

CCR FILE  BY ENTERING THE CCR-NUMBER FOR THE DESIRED RECORD

ENTER CCR NUMBER > 6021

                5
CODE             = 5
CCR-NUMBER       =6021
DATE-ISSUED      = 6/10/1981
INITIATOR        =GSFC/KOWALSKI
DOC-AFFECTED     =IDD
CURRENT-STATUS   =APPROVED
DISPOSTION-1     =LARC APPROVED 08/21/81
DISPOSTION-2     =GSFC APPROVED 10/01/81
DISPOSTION-3     =
DESCRIPTION-1    =EMI CS-06 TEST
DESCRIPTION-2    =
REMARKS-1        =IMPLEMENTED BY REVISION I
REMARKS-2        =
INPUT-DATE       =
FILLER           =

    IS THIS THE CORRECT RECORD TO BE DELETED (Y OR N) > Y
```

Option 2 allows the user to delete a record from the Correspondence
file data base. The desired record must be retrieved by entering the appro-
priate Sequence number, notated as SEQ-NO >. If no records are found, a
a message stating so will be displayed on the terminal screen, and the user
will be returned to the Delete menu. If the desired record is found, it
will be displayed on the terminal screen along with a prompt for the user to
indicate whether that record is to be deleted. If the user responds with

'Y', the system will internally purge the record, and the user will be re-turned to the Delete menu. If the user responds with 'N', the record will remain unchanged, and the user will be returned to the Delete menu. See the following examples.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM ALLOWS FOR THE DELETION OF A CORRESPONDENCE FILE

RECORD BY ENTERING THE   SEQ-NO   OF THE RECORD YOU WANT TO DELETE

ENTER SEQ-NO > 4

*********** ERROR *********** SEQ-NO   4 NOT FOUND !!

TRY AGAIN IF YOUR ERROR ------ NOTIFY ANALYST OTHERWISE

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM ALLOWS FOR THE DELETION OF A CORRESPONDENCE FILE

RECORD BY ENTERING THE   SEQ-NO   OF THE RECORD YOU WANT TO DELETE

ENTER SEQ-NO > 9837

```
            11
CODE             = 5
DOC-DATE         = 1/ 3/1984
SOURCE           =OAO
AUTHOR           =TAYLOR
REFERENCE-NUMBER=ERBE-MO-84-01
FILE-CODE        =151040
FILE-FOLDER      =16387
DOCUMENT-FILE    =
DESCRIPTION-1    =NAS1-16387, TECHNICAL PROGRESS REPORT
DESCRIPTION-2    =
DESCRIPTION-3    =
SEQ-NO           =   9837
INPUT-DATE       = 1/26/1984
FILLER           =
```

IS THIS THE CORRECT RECORD TO BE DELETED (Y OR N) > Y

Option 3 allows the user to delete a record from the Project Lookup table contained in the Mail Log data base area. A listing of the records currently contained in the lookup table is provided within the delete rou-

tine. The user must enter the record number of the record that is to be deleted, or a carriage return if no records are to be deleted. A new listing of the records in the lookup table will then be displayed, and the user will be returned to the Delete menu. See the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM DELETES A RECORD IN THE PROJECT LOOKUP TABLE

THE CURRENT PROJECT LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
==============================================================

$RECNO    CODE  PROJECT
    1      1    LDEF
    2      2    ODP'
    3      3    ACEE
    4      4    TRW
    5      5    ERBE
    6      6    ALSO
    7      7    UARS
    8      8    STFE
    9      9    LSAST

ENTER CODE TO BE DELETED > 9

CODE 9 FOR PROJECT LSAST   NOW BEING DELETED

THE PROJECT LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
==============================================================

$RECNO    CODE  PROJECT
    1      1    LDEF
    2      2    ODP
    3      3    ACEE
    4      4    TRW
    5      5    ERBE
    6      6    ALSO
    7      7    UARS
    8      8    STFE
```

6.4   SEARCH OPTION

When the Search option is selected from the main menu, the Mail Log Correspondence file Search menu appears as follows:

MAIL LOG TRACKING SEARCH / QUERY MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. CCR   File   Search and Retrieve Menu
2. Correspondence File   Search and Retrieve Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

When option 1 is selected, the CCR file Search menu is invoked. When option 2 is selected, the Correspondence file Search menu is invoked. Both of these menus and their options are discussed in detail in the following sections.

6.4.1   CCR SEARCH

The CCR Search menu appears as follows:

CCR SEARCH / QUERY MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. CCR Number   Search
2. Date Issued   Search
3. Initiator   Search
4. Document Affected Search
5. Current Status   Search

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All five (5) options generate a specially formatted report comprised of records meeting various search criteria. The reports are displayed at the terminal screen with the option for spooling the output to the printer. The format of each report has been changed somewhat for the purpose of illustration in this section. The reports would appear much wider on the terminal screen and on printer output when run from the program. See Appendix A-1 for an example of the CCR search report output format.

All searches allow the user to search from a single project or from all projects.

Option 1 performs the CCR number search, which is a partial search. Entering the number '61' would retrieve CCR numbers like '6110' and '2361'. The retrieved records are displayed at the terminal screen, and then may be spooled for printer output. See the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS SEARCH ROUTINE PERFORMS THE CCR NUMBER QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
==================================================

( 1 )    LDEF
( 2 )    ODP
( 3 )    ACEE
( 4 )    TRW
( 5 )    ERBE
( 6 )    ALSO
( 7 )    UARS
( 8 )    STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

   YOU HAVE SELECTED   411 RECORDS FROM THE CCR FILE FOR QUERY

ENTER CCR NUMBER TO BE SEARCHED ON > 6021

 CCR NUMBER SEARCH FOR 6021 FOUND    1 RECORDS

 TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...
```

10/9/84   PAGE 1

              ERBE   PROJECT CCR FILE : CCR NUMBER :: 602

CCR NUMBER   DATE ISSUED   INITIATOR   DOCUMENT AFFECTED
-----------------   -----------   --------------------   --------------------

6021   6/10/1981   GSFC/KOWALSKI   IDD

CURRENT STATUS   DISPOSITION
---------------   -------------------------------------

APPROVED   LARC APPROVED 08/21/81
                       GSFC APPROVED 10/01/81

DESCRIPTION : EMI CS-06 TEST

REMARKS   : IMPLEMENTED BY REVISION I

        Option 2 performs the Date Issued search. This routine searches
on one date only rather than a range of dates. The user must enter the
desired date in the format MM/DD/YY. See the following example.

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS SEARCH ROUTINE PERFORMS THE DATE ISSUED QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
==

(1)   LDEF
(2)   ODP
(3)   ACEE
(4)   TRW
(5)   ERBE
(6)   ALSO
(7)   UARS
(8)   STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED   411 RECORDS FROM THE CCR FILE FOR QUERY

ENTER DATE ISSUED TO BE SEARCHED ON > 5/3/83

DATE ISSUED SEARCH FOR 5/ 3/83 FOUND   1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY ..

10/ 9/84   PAGE   1

        TRW   PROJECT CCR FILE : DATE ISSUED :: 1983 5 3

CCR NUMBER	DATE ISSUED	INITIATOR	DOCUMENT AFFECTED
ECR 366	5/ 3/1983	TRW/VARIANO	301 & SUBS

CURRENT STATUS	DISPOSITION
APPROVED	TRW APPROVED 05/04/83
	LARC APPROVED 07/13/83

DESCRIPTION : COVER INSTALLATION, ERBE NS CONTAMINATION - INSTALL PIN BELOW
              SURFACE AND BOND TO PREVENT BACKING OUT DURING VIBRATION

REMARKS   : CLASS I - LARC APPROVAL REQUIRED

        Option 3 performs the Initiator search, which is also a partial

search. A search on 'G' would retrieve 'GSRC' and 'RIGGINGS' in the In-

itiator data field. See the following example.

    SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS SEARCH ROUTINE PERFORMS THE CCR INITIATOR QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
===

    (1)   LDEF
    (2)   ODP
    (3)   ACEE
    (4)   TRW
    (5)   ERBE
    (6)   ALSO
    (7)   UARS
    (8)   STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED   411 RECORDS FROM THE CCR FILE FOR QUERY

ENTER INITIATOR TO BE SEARCHED ON > B

    INITIATOR SEARCH FOR B   FOUND   1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY ...

10/ 9/84   PAGE   1

        ERBE   PROJECT CCR FILE : INITIATOR :: B

CCR NUMBER   DATE ISSUED   INITIATOR   DOCUMENT AFFECTED
----------------   -----------   --------------------- ---------------------

6029   1/15/1982   GSFC/BEBRIS   IDD

CURRENT STATUS   DISPOSITION
---------------   ------------------------------

APPROVED   LARC APPROVED 03/08/82
                    GSFC APPROVED W/MODS 04/05/82

DESCRIPTION : DELETE HALOE INSTRUMENT FROM ERBS

REMARKS   : INCORPORATED IN ERBS CONTRACT BY MOD. 33

        Option 4 performs the Document Affected search, which operates

similarly to the Initiator search in option 3. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS SEARCH ROUTINE PERFORMS THE DOCUMENT AFFECTED QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
==

(1)   LDEF
(2)   ODP
(3)   ACEE
(4)   TRW
(5)   ERBE
(6)   ALSO
(7)   UARS
(8)   STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED   411 RECORDS FROM THE CCR FILE FOR QUERY

ENTER DOCUMENT AFFECTED TO BE SEARCHED ON > 27

DOCUMENT AFFECTED SEARCH FOR 27   FOUND   1 RECORDS

TERMANAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

10/ 9/84   PAGE   1

        TRW   PROJECT CCR FILE : DOCUMENT AFFECTED :: 27

CCR NUMBER   DATE ISSUED   INITIATOR   DOCUMENT AFFECTED
----------------   -----------   ---------------------- ---------------------

ECR 227   6/23/1982   TRW/CARMAN   X427507 & X427506

CURRENT STATUS   DISPOSITION
---------------   ---------------------------------

APPROVED   TRW APPROVED 08/31/82
                    LARC APPROVED 12/01/82

DESCRIPTION : APERTURE, MFOV-REF ACR; APERTURE, WFOV-REF ACR (DESIGN & FAB
              FIELD STOPS TO CONVERT TO TIROS FIELDS OF VIEW)

REMARKS   : CLASS I - LARC APPROVAL REQUIRED

        Option 5 performs the Current Status search. This search is also
a partial search, and operates similarly to the Initiator search in option
3. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS SEARCH ROUTINE PERFORMS THE CURRENT STATUS QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
============: ====: =====================================

    (1)   LDEF
    (2)   ODP
    (3)   ACEE
    (4)   TRW
    (5)   ERBE
    (6)   ALSO
    (7)   UARS
    (8)   STFE

    ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

    YOU HAVE SELECTED   411 RECORDS FROM THE CCR FILE FOR QUERY

    ENTER CURRENT STATUS TO BE SEARCHED ON > WITH

    CURRENT STATUS SEARCH FOR   WITH   FOUND   1 RECORDS

    TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

    10/ 9/84   PAGE   1

            ERBE   PROJECT CCR FILE : CURRENT STATUS :: A7

CCR NUMBER   DATE ISSUED   INITIATOR   DOCUMENT AFFECTED
----------------   ------------   -------------------- --------------------

7178   3/ 5/1982   LARC/WILLIAMS   UIIS

CURRENT STATUS   DISPOSITION
----------------   ---------------------------------

WITHDRAWN   LARC APPROVED 03/08/82
                       TIROS ACTION PENDING

DESCRIPTION : ATTITUDE DETERMINATION COORDINATE SYSTEM

REMARKS   :

When each search has been completed and the user has responded with a 'Y' or an 'N' to indicate whether printer output is desired, the user will be returned to the CCR Search menu.

6.4.2   CORRESPONDENCE SEARCH

The Correspondence Search menu appears as follows:

CORRESPONDENCE SEARCH / QUERY MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

```
 1.  Source         Search
 2.  Author         Search
 3.  Reference No.   Search
 4.  File Code       Search
 5.  File Folder     Search
 6.  Document File   Search
 7.  Project Code #  Search
 8.  Document Date   Search
 9.  Input Date      Search
10.  Description     Search
```

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All search options generate specially formatted reports comprised of records which meet various search criteria. In each search, the user may search from a single project, or from all projects. The reports will be displayed at the terminal screen with the option for spooling the output to the printer. The format of each report has been changed for the purpose of illustration in this section. The reports would appear much wider on the terminal screen and on the printer output when run from the program. See Appendix B-1 for an example of the Correspondence Search report output format.

Option 1 performs the Source search, which is a partial search. An entry of 'SA' would retrieve records containing both 'NASA' and 'SAPR' in the Source data field. See the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS SEARCH ROUTINE PERFORMS THE CORRESPONDENCE SOURCE QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
===================================================

( 1 )    LDEF
( 2 )    ODP
( 3 )    ACEE
( 4 )    TRW
( 5 )    ERBE
( 6 )    ALSO
( 7 )    UARS
( 8 )    STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED  4,394 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER SOURCE TO BE SEARCHED ON > SA

SOURCE SEARCH FOR SA          FOUND     1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

10/ 9/84                                              PAGE    1
         PROJECTS  CORRESPONDENCE  FILE  ::  SOURCE :: SA

    INDEX                 SOURCE                 FILE CODE
    PROJECT               AUTHOR                 FILE FOLDER
    DOCDATE               REFERENCE NUMBER       DOCUMENT FILE
    -------               ----------------       --------------

    10193                 NASA HQS               130000
    ERBE                  TOMSELLO               GSFC
    2/ 6/1984
```

DESCRIPTION: LATEST UPDATE ON THE IN BAY CHECKOUT TIMELINES

Option 2 performs the Author search, which operates similarly to the Source search in option 1. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS SEARCH ROUTINE PERFORMS THE CORRESPONDENCE AUTHOR QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
==

```
( 1 )    LDEF
( 2 )    ODP
( 3 )    ACEE
( 4 )    TRW
( 5 )    ERBE
( 6 )    ALSO
( 7 )    UARS
( 8 )    STFE
```

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

YOU HAVE SELECTED   754 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER AUTHOR TO BE SEARCHED ON > TR

AUTHOR SEARCH FOR TR   FOUND   1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

10/ 9/84   PAGE   1

          PROJECTS CORRESPONDENCE FILE :: AUTHOR :: TR

| INDEX | SOURCE | FILE CODE |
| PROJECT | AUTHOR | FILE FOLDER |
DOCDATE	REFERENCE NUMBER	DOCUMENT FILE
9975	LARC	011200
ERBE	BARKSTROM	15900
1/24/1984		

DESCRIPTION: NAS1-15900, ERBE SCIENCE TEAM ASSESSMENT OF ERBE INSTRUMENT
              PERFORMANCE

        Option 3 performs the Reference Number search, which is also a par-

tial search. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS SEARCH ROUTINE PERFORMS THE CORRESPONDENCE REFERENCE # QUERY / RETRIEVAL

```
THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
================================================

     ( 1 )    LDEF
     ( 2 )    ODP
     ( 3 )    ACEE
     ( 4 )    TRW
     ( 5 )    ERBE
     ( 6 )    ALSO
     ( 7 )    UARS
     ( 8 )    STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

PLEASE STAND BY .... PROJECT SELECTION BEING MADE

YOU HAVE SELECTED 754 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER REFERENCE NUMBER TO BE SEARCHED ON > 7

PLEASE STAND BY .... SEARCH NOW IN PROGRESS ...

REFERENCE NUMBER SEARCH FOR 7         FOUND  1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

10/ 9/84                                           PAGE    1

      PROJECTS  CORRESPONDENCE  FILE  ::  REFERENCE NUMBER :: 7

     INDEX              SOURCE                FILE CODE
     PROJECT            AUTHOR                FILE FOLDER
     DOCDATE            REFERENCE NUMBER      DOCUMENT FILE
     -------            ----------------      -------------

     10175              TRW                   110000
     ERBE                                     15900
     1/ 2/1984          QQ-17C-10A            15900-ET033

DESCRIPTION:  NAS1-15900, PROCEDURE CHANGE ORDER B2 TO ERBE SCANNER
              INSTRUMENT ASSEMBLY FUNCTIONAL TEST PROCEDURE
```

        Option 4 performs the File Code search. This is also a partial search
and operates similarly to the Reference Number search in option 3. See the
following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4
THIS SEARCH ROUTINE PERFORMS THE CORRESPONDENCE FILE CODE QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
===

(1)   LDEF
(2)   ODP
(3)   ACEE
(4)   TRW
(5)   ERBE
(6)   ALSO
(7)   UARS
(8)   STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

YOU HAVE SELECTED   754 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER FILE CODE TO BE SEARCHED ON > 510

FILE CODE SEARCH FOR 510 FOUND   1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ..... PLEASE STAND BY ...

10/ 9/84   PAGE   1

        PROJECTS   CORRESPONDENCE   FILE   ::   FILE CODE :: 5

    INDEX   SOURCE   FILE CODE
    PROJECT   AUTHOR   FILE FOLDER
    DOCDATE   REFERENCE NUMBER   DOCUMENT FILE
    -------   -----------------   -------------

    9837   OAO   151040
    ERBE   TAYLOR   16387
    1/ 3/1984   ERBE-MO-84-01

DESCRIPTION: NAS1-16387, TECHNICAL PROGRESS REPORT

        Option 5 performs the File Folder search, which is another partial

search operating similarly to the Reference Number search in option 3. See

the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS SEARCH ROUTINE PERFORMS THE CORRESPONDENCE FILE FOLDER QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
===

```
( 1 )    LDEF
( 2 )    ODP
( 3 )    ACEE
( 4 )    TRW
( 5 )    ERBE
( 6 )    ALSO
( 7 )    UARS
( 8 )    STFE
```

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

YOU HAVE SELECTED   754 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER FILE FOLDER TO BE SEARCHED ON > 63

FILE FOLDER SEARCH FOR   63   FOUND   1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ..... PLEASE STAND BY ...

10/ 9/84   PAGE   1

                PROJECTS   CORRESPONDENCE   FILE   ::   FILE FOLDER :: 63

| INDEX | SOURCE | FILE CODE |
| PROJECT | AUTHOR | FILE FOLDER |
DOCDATE	REFERENCE NUMBER	DOCUMENT FILE
9837	OAO	151040
ERBE	TAYLOR	16387
1/ 3/1984	ERBE-MO-84-01	

DESCRIPTION: NAS1-16387, TECHNICAL PROGRESS REPORT

       Option 6 performs the Document File search. This routine operates

similarly to the Reference Number search in option 3, and is also a partial

search. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 6

THIS SEARCH ROUTINE PERFORMS THE CORRESPONDENCE DOCUMENT FILE QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
===

(1)   LDEF
(2)   ODP
(3)   ACEE
(4)   TRW
(5)   ERBE
(6)   ALSO
(7)   UARS
(8)   STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

YOU HAVE SELECTED   754 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER DOCUMENT FILE TO BE SEARCHED ON > EE027

DOCUMENT FILE SEARCH FOR EE027   FOUND 1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

10/ 9/84   PAGE   1

        PROJECTS   CORRESPONDENCE   FILE ::   DOCUMENT FILE :: EE027

    INDEX   SOURCE   FILE CODE
    PROJECT   AUTHOR   FILE FOLDER
    DOCDATE   REFERENCE NUMBER   DOCUMENT FILE
    -------   ----------------   -------------

    9802   TRW   110000
    ERBE   HENDRICKS   15900
    1/16/1984   ERBE-84-100.5-007   EE027

DESCRIPTION: NAS1-15900, SCANNER FM1 PRE-ENVIRONMENTAL PERFORMANCE TEST
               REPORT

        Option 7 performs the Project Code # search. This search simply

retrieves all records for a single project. See the following example.

    SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 7

THIS SEARCH ROUTINE PERFORMS THE CORRESPONDENCE PROJECT CODE QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
===

(1)   LDEF
(2)   ODP

```
( 3 )    ACEE
( 4 )    TRW
( 5 )    ERBE
( 6 )    ALSO
( 7 )    UARS
( 8 )    STFE
```

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

PROJECT CODE SEARCH FOR   5 FOUND   1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ..... PLEASE STAND BY ...
10/ 9/84   PAGE   1

        PROJECTS CORRESPONDENCE FILE :: PROJECT CODE :: 5

INDEX	SOURCE	FILE CODE
PROJECT	AUTHOR	FILE FOLDER
DOCDATE	REFERENCE NUMBER	DOCUMENT FILE
-------	----------------	-------------
13982	TRW	110000
ERBE	VREM	15900
7/26/1983		

DESCRIPTION: NAS1-15900, ERBE SCANNER FM1 AND NONSCANNER FM1 OPERATING
              HISTORY

        Option 8 performs the Document Date search. This routine allows the

user to search on a range of dates. If a single date search is desired, the

user may enter the same date for the second valid date that was entered for

the first valid date. The proper format for entering dates is MM/DD/YY.

See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 8

THIS SEARCH ROUTINE PERFORMS THE DOCUMENT DATE QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
=:=====================================:============

```
( 1 )    LDEF
( 2 )    ODP
( 3 )    ACEE
( 4 )    TRW
( 5 )    ERBE
( 6 )    ALSO
```

(7)   UARS
(8)   STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

YOU HAVE SELECTED   754 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER FIRST VALID DOCUMENT DATE > 2/23/84
ENTER SECOND VALID DOCUMENT DATE > 2/23/84

DOCUMENT DATE SEARCH FOR 2/23/84 TO 2/23/84 FOUND 1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ..... PLEASE STAND BY ...

10/ 9/84   PAGE   1

    PROJECTS CORRESPONDENCE FILE :: DOCUMENT DATE :: 1984 223 & 1984 223

| INDEX | SOURCE | FILE CODE |
| PROJECT | AUTHOR | FILE FOLDER |
DOCDATE	REFERENCE NUMBER	DOCUMENT FILE
10421	TRW	099000
ERBE		15900
2/23/1984		

DESCRIPTION: NAS1-15900, INTEGRATING SPHERE TEMPERATURE ERRORS

        Option 9 performs the Input Date search, which searches on a single

date only. The format for inputting the date is MM/DD/YY. See the following

example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 9

THIS SEARCH ROUTINE PERFORMS THE INPUT DATE QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
===

(1)   LDEF
(2)   ODP
(3)   ACEE
(4)   TRW
(5)   ERBE
(6)   ALSO
(7)   UARS
(8)   STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

YOU HAVE SELECTED   754 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER INPUT DATE TO BE SEARCHED ON > 2/13/84

INPUT DATE SEARCH FOR 2/13/84 FOUND   1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

10/ 9/84   PAGE   1

        PROJECTS CORRESPONDENCE FILE :: INPUT DATE :: 1984 213

    INDEX   SOURCE   FILE CODE
    PROJECT   AUTHOR   FILE FOLDER
    DOCDATE   REFERENCE NUMBER   DOCUMENT FILE
    -------   ----------------   ------------

    10188   LARC   155400
    ERBE   EGAN
    2/ 3/1984

DESCRIPTION: REPORT OF TRIP TO BASD, JANUARY 18-19, 1984, ERBS PRE-
              ENVIRONMENTAL REVIEW

        Option 10 performs the Description search, which is a partial search

and operates similarly to the Author search in option 2. See the following

example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 10

THIS SEARCH ROUTINE PERFORMS THE DESCRIPTION QUERY / RETRIEVAL

THE CURRENT PROJECTS AVAILABLE FOR SEARCHING ARE:
===

(1)   LDEF
(2)   ODP
(3)   ACEE
(4)   TRW
(5)   ERBE
(6)   ALSO
(7)   UARS
(8)   STFE

ENTER PROJECT # TO BE SELECTED (ZERO - 0 - FOR ALL) > 5

YOU HAVE SELECTED   754 RECORDS FROM THE CORRESPONDENCE FILE FOR QUERY

ENTER DESCRIPTION TO BE SEARCHED ON > ASSEMB

DESCRIPTION SEARCH FOR ASSEMB   FOUND 1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ..... PLEASE STAND BY ...

10/ 9/84   PAGE   1

        PROJECTS CORRESPONDENCE FILE :: DESCRIPTION :: ASSEMB

        INDEX   SOURCE   FILE CODE
        PROJECT   AUTHOR   FILE FOLDER
        DOCDATE   REFERENCE NUMBER   DOCUMENT FILE
        -------   ----------------   --------------

        10175   TRW   110000
        ERBE   15900
        1/ 2/1984   QQ-17C-10A   15900-ET033

DESCRIPTION: NAS1-15900, PROCEDURE CHANGE ORDER B2 TO ERBE SCANNER
               INSTRUMENT ASSEMBLY FUNCTIONAL TEST PROCEDURE

6.5   REPORT OPTION

        When the Report option is selected from the main menu, the Mail Log

Correspondence file Report menu appears as follows:

MAIL LOG TRACKING SPECIAL REPORT MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
=================================

1. Daily   Input Report
2. Document Date Report
3. Special CCR   Reports

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

        Options 1 and 2 generate reports for the Correspondence file area only

and may be spooled for printer output. Option 3 generates a menu for report

options for the CCR file area only.

6.5.1   DAILY INPUT REPORT

In option 1, the Daily Input Report, the user may retrieve records that were input on a particular date by entering the appropriate input date. If no records are found having the desired input date, a message stating so will be displayed, and the user will be returned to the Report menu. If records are found, they may be spooled to the printer. In the following example a sample of the output has been included. Note that this does not appear on the terminal screen, and has been modified for the purpose of illustration in this document. The report normally appears much wider when spooled to the printer. After the output has been spooled, the user is returned to the Report menu. See Appendix B-2 for an example of the Correspondence report output format.

Example 1: Daily Input Report

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS SPECIAL REPORT GIVES A DUMP OF THE DAILY CORRESPONDENCE INPUT
===

ENTER INPUT DATE (MM/DD/YY) > 2/13/84

OUTPUT TO :
        0)   NO OUTPUT !!!
        1)   SCOUT PROJECT OFFICE / LARC, NASA
        2)   VOUGHT CORPORATION   / DALLAS, TX
        3)   PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

OUTPUT TO :
        0)   START OVER
        1)   LQP C - SINGLE   SHEET
        2)   LQP D - SINGLE   SHEET
        3)   LQP E - SINGLE   SHEET
        4)   LQP F - SINGLE   SHEET
        5)   ETI   SYSTEM PRINTER / H

ENTER OPTION NUMBER > 5

ENTER NUMBER OF COPIES > 1

   (MAX. OF 5)
   (0 TO ABORT)

Sample Output:

```
        PROJECT     CORRESPONDENCE    LOG    FOR     1/23/1984
        ===========================================================

            INDEX                SOURCE              FILE CODE
            PROJECT              AUTHOR              FILE FOLDER
                                 REFERENCE NUMBER    DOCUMENT FILE

            -------              ---------------     -------------


            10185                NASA HQS            120000
            ODP                  EDELSON             HQS
                                 E-612-83-04
```

DESCRIPTION: GEOSTATIONARY OPERATIONAL ENVIRONMENTAL SATELLITE (GEOS-6)
               POST LAUNCH REPORT

6.5.2 DOCUMENT DATE REPORT

Option 2 allows the user to retrieve all records that have a certain document date. If no records are found having the desired date, a message stating so will be displayed, and the user will be returned to the Report menu. If some records are found, the report may be spooled for printer output, and the user will then be returned to the Report menu. In the following example, a sample of the output is included. Again, the output has been modified for illustration purposes. The report normally appears much wider when spooled to the printer. See Appendix B-2 for an example of the Correspondence report output format.

Example 2: Document Date Report

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS SPECIAL REPORT GIVES A DUMP OF ALL CORRESPONDENCE WITH A

SET OF DOCUMENT DATES. OUTPUT IS AUTOMATICALLY SPOOLED TO PRINTER.

ENTER FIRST VALID DOCUMENT DATE (MM/DD/YY) > 5/12/84

ENTER LAST VALID DOCUMENT DATE (MM/DD/YY) > 5/12/84

OUTPUT TO :
    0) NO OUTPUT !!!
    1) SCOUT PROJECT OFFICE / LARC, NASA
    2) VOUGHT CORPORATION   / DALLAS, TX
    3) PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

OUTPUT TO :
    0) START OVER
    1) LQP C - SINGLE   SHEET
    2) LQP D - SINGLE   SHEET
    3) LQP E - SINGLE   SHEET
    4) LQP F - SINGLE   SHEET
    5) ETI   SYSTEM PRINTER / H

ENTER OPTION NUMBER > 5

ENTER NUMBER OF COPIES > 1

    (MAX. OF 5)
    (0 TO ABORT)

Sample Output:

                PROJECT   CORRESPONDENCE   LOG   FOR   5/12/1984
                ===

            INDEX   SOURCE   FILE CODE
            PROJECT   AUTHOR   FILE FOLDER
                                    REFERENCE NUMBER   DOCUMENT FILE

            -------   ----------------   ------------

            12133   LARC   012500
            ODP

DESCRIPTION: MAJOR DISCIPLINES MANPOWER -- FY 84 AS OF 5/12/84

6.5.3 SPECIAL CCR REPORTS

    Option 3 generates a special menu of report options for the CCR file,

which appears as follows:

THIS IS THE CCR FILE SPECIAL REPORT GENERATOR

ENTER SELECTION BY NUMBER ONLY

1. OPEN / HOLD RECORDS
2. APPROVED / DISAPPROVED
3. CANCELLED / WITHDRAWN
4. SEARCH & PRINT ALL

ENTER OPTION >

See Appendix A-2 for an example of the special CCR report output format.

6.5.3.1 OPEN OR HOLD RECORDS

Option 1 generates a report of those records containing OPEN or HOLD in the Current Status data field. The report is first displayed at the terminal screen and then may be spooled for printer output. After indicating whether printer output is desired, the user will be returned to the Report menu. If no records are in the data base with OPEN or HOLD status, a message stating so will be displayed, and the user will be returned to the Report menu. All of the reports in this section have been modified for illustration purposes. When run from the program, they appear wider on the terminal screen and on the printer output. The following is an example of the OPEN / HOLD RECORDS Report.

ENTER OPTION > 1

1 LDEF
2 ODP
3 ACEE
4 TRW
5 ERBE
6 ALSO
7 UARS
8 STFE

ENTER PROJECT NUMBER OR BLANK FOR ALL > 5

ERBE   PROJECT CCR FILE : OPEN / HOLD RECORDS

CCR NUMBER   DATE ISSUED   INITIATOR   DOCUMENT AFFECTED
------------------   -----------   --------------------- --------------------

7207B   12/19/1983   LARC/EGAN   UIIS

CURRENT STATUS   DISPOSITION
--------------   ------------------------------------

OPEN   LARC APPROVED 02/28/84
                       GSFC APPROVED 03/16/84
                       TIROS APPROVED 03/13/84

DESCRIPTION : REVISION OF SCANNER UNIQUE INTERFACE SPECIFICATION #IS-2295550,
              SECTION 4
REMARKS   : SUPERSEDES 7207A
               APPROVED - AWAITING IMPLEMENTATION

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

6.5.3.2 APPROVED OR DISAPPROVED RECORDS

        Option 2 generates a report of all records containing APPROVED or
DISAPPROVED in the Current Status data field. If no such records exist in
the data base, a message stating so will be displayed, and the user will be
returned to the Report menu. If records are found, the report will be dis-
played at the terminal screen and the user must indicate whether printer
output is desired. The user will then be returned to the Report menu. See
the following example.

ENTER OPTION > 2

1 LDEF
2 ODP
3 ACEE
4 TRW
5 ERBE

```
6 ALSO
7 UARS
8 STFE

ENTER PROJECT NUMBER  OR  BLANK FOR ALL > 5

10/11/84                                                    PAGE    1

        ERBE     PROJECT   CCR   FILE  :   APPROVED / DISAPPROVED

CCR NUMBER          DATE ISSUED    INITIATOR            DOCUMENT AFFECTED
----------------    -----------    --------------------  --------------------

6017                5/ 1/1981      GSFC/WORRALL          SOW


CURRENT STATUS      DISPOSITION
--------------      ------------------------------------

APPROVED            LARC APPROVED 05/26/81
                    GSFC APPROVED 06/12/81

DESCRIPTION : ATTITUDE DETERMINATION COORDINATE SYSTEM

REMARKS     :


MORE? N

OUTPUT TO PRINTER (Y OR N) > N
```

6.5.3.3 CANCELLED OR WITHDRAWN RECORDS

Option 3 provides a report of those records having a status of CANCELLED or WITHDRAWN. If no such records are found in the data base, a message stating so will be displayed, and the user will be returned to the Report menu. If records are found, the report will be displayed at the terminal screen. After indicating whether printer output is desired, the user will be returned to the Report menu. See the following example.

```
ENTER OPTION > 3

1 LDEF
2 ODP
3 ACEE
4 TRW
```

```
5 ERBE
6 ALSO
7 UARS
8 STFE
```

ENTER PROJECT NUMBER OR BLANK FOR ALL > 5

ERBE   PROJECT CCR FILE : CANCELLED / WITHDRAWN

CCR NUMBER	DATE ISSUED	INITIATOR	DOCUMENT AFFECTED
6090	9/14/1983	GSFC/KOWALSKI	ERBE-S TOCC SOFTWARE

CURRENT STATUS	DISPOSITION
CANCELLED	GSFC APPROVED 09/14/83
	LARC ACTION PENDING
	TIROS ACTION PENDING

DESCRIPTION : ERBE-S HOUSEKEEPING SAMPLING RATE CHANGE

REMARKS   : SUPERSEDED BY 6090A

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

6.5.3.4   SEARCH AND PRINT ALL

Option 4 provides a listing of all of the records in the CCR File

data base. The report is displayed at the terminal screen along with a

prompt for the user to indicate whether printer output is desired. After

entering a 'Y' or an 'N' for printer output, the user will be returned to

the Report menu. See the following example.

ENTER OPTION > 4

```
1 LDEF
2 ODP
3 ACEE
4 TRW
5 ERBE
```

```
6 ALSO
7 UARS
8 STFE

ENTER PROJECT NUMBER  OR  BLANK FOR ALL > 5

10/11/84                                              PAGE     1

          ERBE     PROJECT  CCR  FILE  :

CCR NUMBER         DATE ISSUED   INITIATOR           DOCUMENT AFFECTED
-----------------  ------------  ------------------  ------------------

6017               5/ 1/1981     GSFC/WORRALL        SOW

  CURRENT STATUS       DISPOSITION
  --------------       ------------------------------------

  APPROVED             LARC APPROVED 05/26/81
                       GSFC APPROVED 06/12/81

DESCRIPTION : ATTITUDE DETERMINATION COORDINATE SYSTEM

REMARKS     :

MORE? N

  OUTPUT TO PRINTER (Y OR N) > N
```

7.0   MECHANICAL DRAWING FILE

The UARS Mechanical Drawing file contains the Upper Atmosphere Research Satellite Mechanical Drawings and their associated parts inventories for the Projects' Directorate. This data base also contains a Specification file which stores each drawings' processes, and an SCC (Stress Corrosion Cracking) file which contains stress corrosion susceptibility data for each part.

Data is stored in four data files in this area: the Drawing File, the Parts File, the Specifications Table, and the SCC File. The SCC File is related to the Drawing File by the Drawing Number field. Information is stored in the fields listed below.

Field names for the Drawing File:

LARC DRAWING NUMBER	REVISION	NEXT ASSEMBLY
DRAWING TITLE	TRW DRAWING NUMBER	SIZE OF LARC DRAWING
	LARC UPDATE INDICATOR	

Field names for the Parts File:

PART NUMBER	DRAWING NUMBER	DESCRIPTION
REQUIRED COUNT	HAVE COUNT	ITEM NUMBER
AMOUNT CODE	CATEGORY	CONDITION
	MATERIAL OR SUPPLY SOURCE	

Field names for the Specifications Table:

DRAWING NUMBER	SPECIFICATION NUMBERS (MAXIMUM OF 8)

Field names for the SCC File:

DRAWING NUMBER	PART NUMBER
ITEM NUMBER	DESCRIPTION NAME
SCC SUSCEPTIBLE MATERIAL	AL ALLOY STOCK <= .125 THICK
ANNEALED	SHORT TRANSVERSE GRAIN EXPOSED
SURFACE PROTECTED	W/ FAILURE IS RELEASED PART < .03 LB
FAIL SAFE ANALYSIS REQUIRED	FAIL SAFE ANALYSIS COMPLETED
FAILED PART CONTAINED	RELEASED PART > .03 LB
MULTIPLE LOAD PATH ANALYSIS REQUIRED	MULTIPLE LOAD PATH ANALYSIS COMPLETED
PART FRACTURE CRITICAL	COMMENT

QUANTITY

The Mechanical Drawing file main menu appears as follows:

UARS MECHANICAL DRAWING FILE MAIN MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

```
1.  Input    Menu
2.  Update   Menu
3.  Delete   Menu
4.  Search   Menu for Drawings / Parts
5.  Search   Menu for SCC File
6.  Report   Menu
```

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

Each of these options will be discussed in detail in the following sections.

7.1   INPUT OPTION

When the Input option is selected from the main menu, the Mechanical Drawing file Input menu appears as follows:

UARS MECHANICAL DRAWING FILE INPUT MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. Input to Drawing File
2. Input to Category Lookup Table
3. Input to SCC File
4. Sort the Drawing Data Base

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

7.1.1   INPUT TO DRAWING FILE

Option 1 allows the user to input into the Drawing File data base. The following options are available:

1) DRAWING RECORD INPUT
2) PARTS INVENTORY LIST
3) SPECIFICATIONS TABLE

When option 1 is selected, the input screen for the Drawing File is displayed for the input of a new record. When input has been completed, the input screen for the Specifications Table is then displayed. Input to this screen is not mandatory for inputting to the Drawing File. When input has been completed for the Specifications Table, or when a carriage return has been entered, the input screen for the Parts File is automatically displayed. A part may be entered here, or a carriage return, which will return the user to the Input menu.

When option 2 is selected, only the Parts File input screen will be displayed. Option 3 will generate only the Specifications Table input screen.

The following are the input screens used for this data base area:

Mechanical Drawings File Drawing Input Screen:

```
                    DRAWING RECORD INPUT / REVISE SCREEN
                    ===================================


LARC DRAWING NUMBER >.........

REVISION >..              NEXT ASSEMBLY >.............              <

DRAWING TITLE :
>..............................................................................<

TRW  DRAWING NUMBER >.......

SIZE OF LARC DRAWING > ..

LARC UPDATE INDICATOR (R OR BLANK) >

            Mechanical Drawings File Specification Input Screen:

                    DRAWING NUMBER > ......

                        SPECIFICATION TABLE

            ------------------------------------------
            ¶ 1 ¶ ......      ¶ 5 ¶ ........         ¶
            -----------------------------------------¶
            ¶ 2 ¶ .......     ¶ 6 ¶ ......           ¶
            -----------------------------------------¶
            ¶ 3 ¶ .......     ¶ 7 ¶ .......          ¶
            -----------------------------------------¶
            ¶ 4 ¶ .......     ¶ 8 ¶ .......          ¶
            ------------------------------------------


            Mechanical Drawings File Parts Input Screen:

                    PARTS RECORD INPUT / REVISE SCREEN
                    ==================================

PART NUMBER > ..........        <    FOR DRAWING NUMBER >......   <
                                    .
DESCRIPTION > ..............................<

 REQD COUNT > .          HAVE COUNT >  ..              ITEM NO. >  ..

MATERIAL OR SUPPLY SOURCE > .......................................<

CATEGORY >  .     1) *
                  2) INORGANIC
........          3) POLYMERIC
                  4) LUBRICANT
                  5) PROCESS

CONDITION >...................<              AMOUNT CODE >....<
```

7.1.2 INPUT TO CATEGORY LOOKUP TABLE

Option 2 allows the user to input records into the category lookup table. A listing of the records in the current lookup table is displayed within the input routine. A return entered at the prompt 'CATEGORY>' will end the input session. When input has been completed, the user will return to the input menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM INPUTS TO THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
==

$RECNO	CATEGORY	DESCRIPTION
1	1	*
2	2	INORGANIC
3	3	POLYMERIC
4	4	LUBRICANT
5	5	PROCESS
6	15	NONE

7

CATEGORY>6

DESCRIPTION>CATALYST

8

CATEGORY> ** return **

1 RECORD(S) ADDED

THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
==

$RECNO	CATEGORY	DESCRIPTION
1	1	*
2	2	INORGANIC
3	3	POLYMERIC
4	4	LUBRICANT
5	5	PROCESS
6	6	CATALYST
7	15	NONE

7.1.3   INPUT TO SCC FILE

Option 3 allows the user to input records into the SCC file. Due to existing hardware limitations, no special input screen has been developed for the SCC file. Input for this file operates similarly to the input routine for the category lookup table. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM INPUTS TO THE SCC FILE

ENTER NOTHING FOR FIELD "ITEM-NO" TO END INPUT SESSION

NOTE: FILLER1 & FILLER2 ARE UNUSED BLANK FIELDS

BEGIN:

```
 3528
ITEM-NO>57
DRAW-NUMBER>10101
PART-NUMBER>999
DESCRIPTION>NUTS AND BOLTS
SUSCEPT>9
ALSTOCK>4
ANNEALED>1
STEXPOSED>2
PROTECTED>N
LOGIC-RELEASE>Y
FAILSAFE-REQD>8
FAILSAFE-DONE>7
PART-CONTAINED>Y
RELEASED.03>2
MLP-REQD>4
MLP-DONE>5
FRACTURE>N
COMMENT> ** return **
HAVE-COUNT>21
FILLER1> ** return **
QUANTITY>25
FILLER2> ** return **

 3529
ITEM-NO> ** return **
```

1 RECORD(S) ADDED

INPUT COMPLETED ... RETURNING TO THE INPUT MENU

SORTING THE SCC FILE IS NOW RECOMMENDED

When input has been completed, the user is returned to the Input menu.

7.1.4   SORT THE DRAWING DATA BASE

Option 4 generates the sort routine for the Mechanical Drawing file. The user may sort the Drawing file or the SCC file by drawing number and item number. When the sort has been completed, the user will be returned to the main menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

WELCOME TO THE DRAWING FILE SORT ROUTINE
==

(0)   EXIT BACK TO MAIN MENU
(1)   SORT ENTIRE DRAWING FILE DATA BASE
(2)   SORT SCC FILE

ENTER OPTION NUMBER > 1

PLEASE WAIT ....

SORTING OF DRAWING & PARTS INVENTORY FILES ....

ALL FINISHED .... NOW RETURNING TO MENU

The following illustrates sort option #2 - sorting the SCC file.

ENTER OPTION NUMBER > 2

PLEASE WAIT ....

SORTING OF SCC FILE NOW BEGINNING

ALL FINISHED .... NOW RETURNING TO MENU

7.2   UPDATE OPTION

When the Update option is selected from the main menu, the Mechan-

ical Drawing file Update menu appears as follows:

UARS MECHANICAL DRAWING FILE UPDATE MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. Change / Revise Drawing
2. Change / Revise Drawing Part
3. Change / Revise Specification
4. Change / Revise SCC File
5. Change / Revise Category Lookup Table
6. Sort Drawing Data Base

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

7.2.1   UPDATE DRAWING RECORD

Option 1 allows the user to revise a record in the Drawing file data
base by entering the drawing number of the record to be updated. If the
desired record is found, it will be displayed in an update screen identical
to the corresponding input screen illustrated in section 7.1.1 of this doc-
ument. If multiple records are found having the same drawing number, only
the first record found will be displayed in the input / update screen. To
retrieve the subsequent records, type an "=" at the prompt, 'DRAW-NO?>'. If
the desired record is not found, 'ITEM NOT FOUND' will   be displayed,
and the user must either enter another drawing number or a carriage return,
in which case the user will be returned to the Update menu. Refer to the
following example for this exit path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM ALLOWS REVISIONS TO THE DRAWING FILE BY ENTERING
THE DRAWING NUMBER OF THE RECORD THAT IS TO BE CHANGED.

DRAW-NUMBER?> 817347

ITEM NOT FOUND

DRAW-NUMBER?> ** return **

7.2.2   UPDATE DRAWING PART

Option 2 allows the user to revise a record in the Parts file data
base. The user must first enter the drawing number of the record that is
to be updated. If no records are found having the specified drawing number,
a message stating so will be displayed, and the user must enter another draw-
ing number or a carriage return, in which case the user will be returned to
the Update menu. Next, the item number of the record to be updated is to be
entered. If the desired record is found, it will be displayed in an update
screen identical to the corresponding input screen illustrated in section
7.1.1 of this document. If more than one record is found having the same
item number, only the first one found will be displayed on the input / update
screen. To retrieve subsequent records type an "=" at the prompt 'ITEM-NO?>'.
If no records are found having the specified drawing number and item number,
'ITEM NOT FOUND' will be displayed, and the user must enter either a new
item number or a carriage return, in which case the user will be returned
to the Update menu. See the following example which illustrates this exit
path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2
THIS PROGRAM ALLOWS REVISIONS TO THE PARTS FILE FOR ANY DRAWING
ENTER DRAWING NUMBER OF PART TO BE CHANGED > 817437
ITEM-NO?> 0
ITEM NOT FOUND
ITEM-NO?> ** return **

7.2.3   UPDATE SPECIFICATION RECORD

Option 3 allows the user to revise a record from the Specification file by entering the appropriate drawing number of the record to be modified. If no records are found having the desired drawing number, 'ITEM NOT FOUND' will be displayed and the user must either enter a new drawing number or a carriage return in order to return to the Update menu. When the desired record is found it will be displayed in an update screen identical to the corresponding input screen illustrated in section 7.1.1 of this document. If multiple records are found having the same drawing number, only the first found will be displayed on the input / update screen. To retrieve the subsequent records, type an "=" at the prompt 'DRAW-NUMBER?>'. When update has been completed the user will be returned to the Update menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM ALLOWS REVISIONS TO THE SPECIFICATION FILE BY ENTERING
THE DRAWING NUMBER OF THE RECORD YOU WANT TO BE CHANGED.

DRAW-NUMBER?> 817437

ITEM NOT FOUND

DRAW-NUMBER?> ** return **

7.2.4   UPDATE SCC FILE RECORD

Option 4 allows the user to update a record within the SCC file. Because no input screen exists for this file, the update routine for this file displays every field in the record with a prompt for the new data field value. If a field is to remain unchanged a carriage return should be entered for that data field prompt. When update has been completed, the user

will be returned to the Update menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS PROGRAM ALLOWS REVISIONS TO THE SCC FILE FOR ANY DRAWING

ENTER DRAWING NUMBER OF PART TO BE CHANGED > 10101

DRAWING FOUND HAS   1 ITEM(S)

ENTER NOTHING FOR "ITEM-NO" WHEN UPDATE IS COMPLETED

ENTER RETURN FOR THOSE FIELDS THAT ARE TO REMAIN UNCHANGED

ITEM-NO?>57

```
                     1
ITEM-NO            =57
DRAW-NUMBER        =10101
PART-NUMBER        =999
DESCRIPTION        =NUTS AND BOLTS
SUSCEPT            =9
ALSTOCK            =4
ANNEALED           =1
STEXPOSED          =2
PROTECTED          =N
LOGIC-RELEASE      =Y
FAILSAFE-REQD      =8
FAILSAFE-DONE      =7
PART-CONTAINED     =Y
RELEASED.03        =2
MLP-REQD           =4
MLP-DONE           =5
FRACTURE           =N
COMMENT            =
HAVE-COUNT         =      21
FILLER1            =
QUANTITY           =      25
FILLER2            =
```

```
ITEM-NO> ** return **
DRAW-NUMBER> ** return **
PART-NUMBER> ** return **
DESCRIPTION> ** return **
SUSCEPT>8
ALSTOCK> ** return **
ANNEALED> ** return **
STEXPOSED> ** return **
PROTECTED> ** return **
LOGIC-RELEASE> ** return **
FAILSAFE-REQD> ** return **
FAILSAFE-DONE> ** return **
PART-CONTAINED> ** return **
```

```
RELEASED.03> ** return **
MLP-REQD> ** return **
MLP-DONE> ** return **
FRACTURE> ** return **
COMMENT> ** return **
HAVE-COUNT> ** return **
FILLER1> ** return **
QUANTITY> ** return **
FILLER2> ** return **

ITEM-NO?> ** return **
```

7.2.5   UPDATE RECORD IN CATEGORY LOOKUP TABLE

Option 5 allows the user to update a record within the category lookup table. A listing of the records in the current lookup table is displayed within the update routine. To end the update session, the user must enter a carriage return at the prompt 'RECNO?>'. The user will then be returned to the Update menu. See the following example.

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

 THIS PROGRAM UPDATES RECORDS IN THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
===============================================================

$RECNO    CATEGORY DESCRIPTION
   1        1       *
   2        2       INORGANIC
   3        3       POLYMERIC
   4        4       LUBRICANT
   5        5       PROCESS
   6       15       NONE

RECNO?>6

              6
CATEGORY        =15

DESCRIPTION     =NONE

CATEGORY> 15

DESCRIPTION> ORGANIC

 RECNO?> ** return **
```

THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
==

```
$RECNO   CATEGORY DESCRIPTION
   1     1        *
   2     2        INORGANIC
   3     3        POLYMERIC
   4     4        LUBRICANT
   5     5        PROCESS
   6     15       ORGANIC
```

7.2.6   SORT THE DRAWING DATA BASE

Option 6 performs the same sort routine that is described in detail in section 7.1.4 of this document.

7.3   DELETE OPTION

When the Delete option is selected from the main menu, the Mechanical Drawing file Delete menu appears as follows:

UARS MECHANICAL DRAWING FILE DELETION MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. Delete a Part
2. Delete a Drawing
3. Delete a Specification
4. Delete a Part from SCC File
5. Delete a Category in Lookup Table

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

7.3.1 DELETE A PART

Option 1 allows the user to delete a record from the Parts file data base. In order to retrieve the desired record, the user must enter the appropriate drawing number. If no records are found having the desired drawing number, a message stating so will be displayed, and the user must enter

a new drawing number or a carriage return to return to the Delete menu. The user must next enter the appropriate item number of the desired record. If no records are found having the item number, an error message will be displayed and the user will be automatically returned to the Delete menu. When the desired record has been found, it will be listed on the terminal screen along with a prompt for the user to indicate whether the record is to be deleted. If the user responds with 'Y', the record will be internally purged immediately, and the user will be returned to the Delete menu. An 'N' response will automatically return the user to the Delete menu. Refer to the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM ALLOWS A PART TO BE DELETED FROM A SPECIFIED DRAWING

ENTER DRAWING NUMBER > 211098

**** ERROR **** NO SUCH DRAWING NUMBER AS 211098   IN THE FILE

ENTER DRAWING NUMBER > 817340

ENTER ITEM NUMBER > 1

       11

```
ITEM-NO          = 1
DRAW-NUMBER      =817340
PART-NUMBER      =-1
DESCRIPTION      =BEARING
MAT-SUPPLY       =SEE APPX TBD
AMOUNT-CODE      =
CATEGORY         = 4
FILLER2          =
HAVE-COUNT       =      2
FILLER3          =
COUNT            =      2
CONDITION        =
FILLER4          =
```

DELETE PART (Y OR N) > Y

7.3.2   DELETE A DRAWING

Option 2 allows the user to delete a record from the Drawing file data base. In order to retrieve the desired record the user must enter the appropriate drawing number. If no records are found having the desired drawing number, an error message stating so will be displayed at the terminal screen and the user will be returned to the Delete menu. When the desired record has been found, it will be displayed at the terminal screen along with a prompt for the user to indicate whether the record is to be deleted. A response of 'N' will automatically return the user to the Delete menu. If the user responds with 'Y', the record will be internally purged, and the associated parts and specifications for that drawing number will also be deleted automatically. The user will then be returned to the Delete menu. See the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM ALLOWS FOR THE DELETION OF A RECORD FROM THE
DRAWING FILE  BY ENTERING THE NUMBER FOR THE DESIRED RECORD

ENTER DRAWING NUMBER > 817340

          5

DRAW-NUMBER      =817340
REVISION         =
TITLE            =BEARING, BALL DUPLEX - HALOE
REFER-DRAWING    =C425324
FILLER1          =
SIZE             =LA
FILLER2          =
UPDATE           =
FILLER3          =
NEXT-ASSEMBLIES  =425328

IS THIS THE CORRECT RECORD TO BE DELETED (Y OR N) > Y
```

7.3.3   DELETE A SPECIFICATION RECORD

Option 3 allows the user to delete a record from the Specification file data base. In order to retrieve the desired record, the user must enter the appropriate drawing number. If no records are found having the drawing number, an error message stating so will be displayed at the terminal screen and the user will be returned automatically to the Delete menu. When the desired record has been found, it will be displayed at the terminal screen along with a prompt for the user to indicate whether the record is to be deleted. A response of 'N' will return the user to the Delete menu. If the user responds with 'Y', the record will be internally purged immediately, and the user will then be returned to the Delete menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM ALLOWS FOR THE DELETION OF A RECORD FROM THE
SPECIFICATION FILE BY ENTERING THE DESIRED DRAWING NUMBER.

ENTER DRAWING NUMBER > 817340

                    6

DRAW-NUMBER   =817340
SPEC-1   =PR 12-6
SPEC-2   =
SPEC-3   =PR 10-2
SPEC-4   =
SPEC-5   =
SPEC-6   =
SPEC-7   =
SPEC-8   =
FILLER   =

IS THIS THE CORRECT RECORD TO BE DELETED (Y OR N) > Y

7.3.4   DELETE A PART FROM THE SCC FILE

Option 4 allows the user to delete a record from the SCC file data

base. The user must first enter the appropriate drawing number for the part that is to be deleted. If no records are found having the desired drawing number, the user must enter a new drawing number, or type 'QUIT' to exit. Note that the only means of exiting this delete routine is by typing 'QUIT' at the prompt for drawing number. Next, the prompt 'DELETE ALL PARTS (Y OR N)' will be displayed. If the user responds with 'Y', the prompt 'OK TO DELETE ALL PARTS (Y OR N) >' will then appear. A 'Y' response to this prompt will cause all records in the SCC file with the desired drawing number to be internally purged immediately. The following message will appear: 'PLEASE STAND BY .. PARTS BEING DELETED'. The user will then be prompted for a drawing number and must type 'QUIT' to exit. If a response of 'N' is entered for either the 'DELETE ALL PARTS (Y OR N) >' prompt or the 'OK TO DELETE ALL PARTS (Y OR N) >' prompt, the user must then enter the item number of the single record that is to be deleted. If no records are found having the desired item number, the prompt for a drawing number will be displayed, and the user may start over or type 'QUIT' to exit. When the proper record has been found, it will be displayed at the terminal screen, along with a prompt for the user to indicate whether the record is to be deleted. An 'N' response will return the user to the initial prompt in the program and the user must type 'QUIT' to exit. A response of 'Y' will internally purge the record and then return the user to the initial prompt in the program. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4
THIS PROGRAM ALLOWS PART(S) TO BE DELETED FROM A DRAWING IN THE SCC FILE
ENTER DRAWING NUMBER (TYPE QUIT TO EXIT) > 10101
DELETE ALL PARTS (Y OR N) > N

ENTER ITEM NUMBER > 57

1

```
ITEM-NO            =57
DRAW-NUMBER        =10101
PART-NUMBER        =999
DESCRIPTION        =NUTS AND BOLTS
SUSCEPT            =8
ALSTOCK            =4
ANNEALED           =1
STEXPOSED          =2
PROTECTED          =N
LOGIC-RELEASE      =Y
FAILSAFE-REQD      =8
FAILSAFE-DONE      =7
PART-CONTAINED     =Y
RELEASED.03        =2
MLP-REQD           =4
MLP-DONE           =5
FRACTURE           =N
COMMENT            =
HAVE-COUNT         =     21
FILLER1            =
QUANTITY           =     25
FILLER2            =
```

DELETE PART (Y OR N) > Y

*** PLEASE STAND BY *** RECORD BEING DELETED NOW.

THIS PROGRAM ALLOWS PART(S) TO BE DELETED FROM A DRAWING IN THE SCC FILE

ENTER DRAWING NUMBER (TYPE QUIT TO EXIT) > QUIT

7.3.5   DELETE A CATEGORY FROM THE LOOKUP TABLE

Option 5 allows the user to delete a record from the category
lookup table. A listing of the records currently contained in the lookup
table is displayed within the delete routine. When deleting has been com-
pleted, the user will be returned to the Delete menu. See the following
example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5
THIS PROGRAM DELETES A RECORD IN THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
==

```
$RECNO    CATEGORY DESCRIPTION
   1        1        *
   2        2        INORGANIC
   3        3        POLYMERIC
   4        4        LUBRICANT
   5        5        PROCESS
   6        6        CATALYST
   7       15        NONE
```

ENTER CATEGORY TO BE DELETED > 6

CATEGORY   6   DESCRIPTION CATALYST   NOW BEING DELETED

THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
==

```
$RECNO    CATEGORY DESCRIPTION
   1        1        *
   2        2        INORGANIC
   3        3        POLYMERIC
   4        4        LUBRICANT
   5        5        PROCESS
   6       15        NONE
```

7.4   SEARCH OPTIONS

The Mechanical Drawing File main menu lists two (2) Search menus available for use: a search menu for drawings and parts, and a search menu for the SCC file. The main menu appears as follows:

UARS MECHANICAL DRAWING FILE MAIN MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
====================================

```
1.  Input   Menu
2.  Update  Menu
3.  Delete  Menu
4.  Search  Menu for Drawings / Parts
5.  Search  Menu for SCC File
6.  Report  Menu
```

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

The search options for each of these search menus are discussed

in detail in the following sections.

7.4.1   SEARCH OPTIONS FOR DRAWINGS AND PARTS

When the Search menu for Drawings and Parts is selected from the
main menu, the following menu is displayed:

UARS MECHANICAL DRAWING SEARCH / QUERY MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

```
 1.  Parts List Part Number
 2.  Parts List Description
 3.  Parts List Material / Supply
 4.  Parts List Category
 5.  Drawings   Title
 6.  Drawings   Next Assembly
 7.  Drawings   Revision
 8.  Drawings   Sizing
 9.  Drawings   Update
10.  Record Number Search
```

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All search examples illustrated in this section use report formats
that have been modified for use in this document. When run from the program,
these reports appear much wider or the terminal screen and in printer output
format.

Options 1, 2, 3, and 4 are all partial searches and operate very
similarly. The user may first choose to search from a single or category
or from all categories. Options 1, 2, and 3 require the entry of a search
value, such as 'TEST' for the Description search. Since this is a partial
search, searching on 'TEST' would retrieve those records containing both
'TESTING PHASE' and 'ORDERS CONTESTED' in the description field. Option 4
requires no further entries since it allows the user to search on an entire
category. The records which are retrieved are displayed at the terminal

screen in a specially formatted report which may be spooled for printer output. The following example illustrates search option 3, the Material / Supply search. See Appendix C-2 for an example of the drawings with parts list report output format.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS SEARCH ROUTINE PERFORMS THE MATERIAL / SUPPLIER QUERY / RETRIEVAL
ON THE PARTS LIST OF THE UARS MECHANICAL DRAWING FILE

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
=========================================================

    ( 1 )    *
    ( 2 )    INORGANIC
    ( 3 )    POLYMERIC
    ( 4 )    LUBRICANT
    ( 5 )    PROCESS
    ( 15 )   NONE

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED   3,562 RECORDS FROM THE PARTS FILE FOR QUERY

ENTER MATERIAL / SUPPLIER TO BE SEARCHED ON > NYLON

MATERIAL / SUPPLIER SEARCH FOR NYLON        FOUND     5 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ...... PLEASE STAND BY.

    12/12/84                                                    PAGE  1

        PARTS   INVENTORY  LIST  FOR  LARC  DRAWING  LA   817341
                            REVISION A
    TRW REFERENCED DRAWING :  C425326   NEXT ASSEMBLIES :  425328
            TITLED :  MOTOR, 1.8 DEGREE STEPPING - BIAXIAL GIMBAL - HALOE
      PROCESSES :        PR 5-33      PR 12-6      PR 10-2      PR 7-19


    ----  --------------------    ------------------------------------------
    ITEM  PART NUMBER             DESCRIPTION
    ----  --------------------    ------------------------------------------

    40    -1(PR 5-33)             CLAMP


    ----------------------------------------    ----------  ----  ----
    MATERIAL ('*' AT DETAIL DWG/SPEC LEVEL)     CATEGORY    REQD  HAVE
    ----------------------------------------    ----------  ----  ----

    NYLON                                       POLYMERIC      5    10
```

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

Options 5, 6, 7, 8, and 9 are also partial searches which operate very similarly. Since these routines search the Drawing file, the user does not select a category to search from, as is done in the searches for the Parts file. A search value is entered, and those records found are displayed at the terminal screen in a specially formatted report which may be spooled for printer output. The following example illustrates search option 5, the Drawings Title search. See Appendix C-1 for an example of the drawings report output format.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS SEARCH ROUTINE PERFORMS THE TITLE QUERY / RETRIEVAL
ON THE DRAWING INFORMATION OF THE UARS MECHANICAL DRAWING FILE.

ENTER TITLE TO BE SEARCHED ON > MENT

TITLE SEARCH FOR MENT   FOUND   13 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

12/12/84   PAGE   1

                    DRAWING   REPORT   -   BRIEF
                    ============================

LARC   NUMBER   REV.   TITLE
TRW   NUMBER   L.R.   NEXT ASSEMBLIES
----   -------   ----   ---

LD   817405   A(L)   MIRROR MOUNT, ALIGNMENT
425388   R   425391

LD   817408   A(L)   MIRROR ASSY, ALIGNMENT
425391   R   425325

LD   817437   A   CELL, GRADED SEAL GLASS TO SAPPHIRE, INSTRUMENT
424053   427769

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

Option 10 allows the user to search the data base area by record number. The user must first select either the Parts file, the Drawing file, or the Specifications file for the search, and then will enter the desired record number. If found, the record will be displayed on the terminal screen until the user enters a carriage return. The user may then select another file or enter a zero (0) to exit the program. If an invalid record number is entered, a 'NOT FOUND' message will be displayed on the terminal screen, and the user will be returned to the Search menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 10

THIS ROUTINE ALLOWS THE USER TO SEARCH THE DATA BASE BY
RECORD NUMBER. DRAWING NUMBERS MAY BE RECORDED HERE FOR
CORRECTION OF MISMATCH ERRORS. NO OUTPUT WILL BE SPOOLED.
PLEASE ENTER A ZERO (0) TO EXIT THE PROGRAM.

WHICH FILE WOULD YOU LIKE TO SEARCH ?
        (0) EXIT PROGRAM
        (1) DRAWING   FILE
        (2) PARTS   FILE
        (3) SPECIFICATION FILE

        ENTER OPTION > 1

PLEASE ENTER THE RECORD NUMBER TO BE SEARCHED ON > 125

                125
DRAW-NUMBER   =817651
REVISION   =C(L)
TITLE   =RETAINER, FILTER
REFER-DRAWING   =423943
FILLER1   =
SIZE   =LD
FILLER2   =
UPDATE   =R
FILLER3   =
NEXT-ASSEMBLIES =427275 427271

PLEASE HIT RETURN TO CONTINUE

THIS ROUTINE ALLOWS THE USER TO SEARCH THE DATA BASE BY
RECORD NUMBER. DRAWING NUMBERS MAY BE RECORDED HERE FOR
CORRECTION OF MISMATCH ERRORS. NO OUTPUT WILL BE SPOOLED.

PLEASE ENTER A ZERO (0) TO EXIT THE PROGRAM.

WHICH FILE WOULD YOU LIKE TO SEARCH ?
      (0) EXIT PROGRAM
      (1) DRAWING   FILE
      (2) PARTS   FILE
      (3) SPECIFICATION FILE

     ENTER OPTION > 6

** INVALID OPTION ENTERED ** PLEASE TRY AGAIN **

     ENTER OPTION > 0

7.4.2   SEARCH OPTIONS FOR SCC FILE

When the Search menu for the SCC file is selected from the main menu,

the following menu is displayed:

UARS MECHANICAL DRAWING SCC SEARCH / QUERY MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. Search / Retrieve on Drawing Number
2. Search / Retrieve on Part Number
3. Search / Retrieve on Part Description
4. Search / Retrieve on Susceptable Material
5. Search / Retrieve on Failsafe Analysis
6. Search / Retrieve on Multiple Load Path Analysis
7. Search / Retrieve on Fracture Critical
8. Search / Retrieve on Comment
9. Search / Retrieve on Released < .03

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All searches are partial searches and operate very similarly except

option 9. The user must enter a search value, such as 'TEST' for the des-

cription search. Searching on 'TEST' would retrieve those records contain-

ing both 'TEST PHASE' and 'PROCEDURES CONTESTED' in the description field.

Those records retrieved will be displayed at the terminal screen in a spe-

cially formatted report which may be spooled for printer output. Option 9,

the Released < .03 search, searches only for the specific values of 'Y',

'N', or '?'. The records which are retrieved are displayed in a report similar to the reports used for each of the other search options. The following examples illustrate two of the searches most often used: option 1, the Drawing Number search, and option 3, the Part Description search. See Appendix D for an example of the SCC wide report output format.

Example 1 - option 1 - Drawing Number search

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

ENTER LARC DRAWING NUMBER > 817340

12/11/84   page   1

                LARC DRAWING: LA   817340   REVISION:
                                DRAWING TITLE:
BEARING, BALL DUPLEX - HALOE
                    TRW REFERENCED DRAWING: C425324

```
                                                S  A A S P R F F P R M M F
                                                U  L N T R E R D T E R D R
ITEM# NAME                          QUANTITY    S  S N E O L Q N C L Q N C
      PART NUMBER                   COMMENT
----- ------------------------------ --------- --- - - - - - - - - - - - -

  1   BEARING                           2
      -1
```

OUTPUT TO PRINTER (Y OR N) > N

Example 2 - option 3 - Part Description search

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS SEARCH ROUTINE PERFORMS THE DESCRIPTION QUERY / RETRIEVAL
ON THE SCC PARTS LIST OF THE UARS MECHANICAL DRAWING FILE.

ENTER DESCRIPTIION TO BE SEARCHED ON > ST

DESCRIPTION SEARCH FOR ST   FOUND   212 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

LARC DRAWING: LE   817347   REVISION:
                        DRAWING TITLE:
DRIVE ASSY BIAXIAL GIMBAL ASSY
                    TRW REFERENCED DRAWING: 425328

ITEM#	NAME PART NUMBER	QUANTITY COMMENT	S U S S	A L N S	A N N E	S T E O	P R E O L	R E L Q	F R D N C	F D N C L	P T C L Q	R E D N R	M R Q C
36	INSTALLATION OF THREADED FASTENERS PR 9-18	0											

MORE ? N

OUTPUT TO PRINTER (Y OR N) > N

7.5   REPORT OPTION

    When the Report option is selected from the main menu, the Mech-

anical Drawing file Report menu appears as follows:

UARS MECHANICAL DRAWING FILE REPORT MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==

1.   Print All
2.   Display by LARC Number
3.   Display by TRW Number
4.   Special Parts Inventory Report
5.   Special Haloe Materials Listing
6.   Print All SCC File

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

    The report examples that appear in this section have been modified

for the purpose of illustration in this document. When run from the program

these reports appear much wider on the terminal screen and in printer output

format.

        Option 1 displays the entire Mechanical Drawing file data base in one

of two formats: drawing information only or drawing information with a parts

inventory list. The report may be sorted by LARC drawing number or by TRW

drawing number. No records will be displayed at the terminal screen as only

printer output is available. After entering the appropriate responses to the

spooling menu prompts, the user will be returned to the Report menu. See

the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM DISPLAYS THE ENTIRE DRAWING FILE DATA BASE WITH TWO (2)
OPTIONAL OUTPUT FORMATS: (1) DRAWING INFORMATION ONLY
                           (2) DRAWING INFORMATION WITH PARTS INVENTORY LIST

ENTER OPTION > 1

 OUTPUT SORT BY: 1) LARC DRAWING NUMBER
                  2) TRW DRAWING NUMBER

ENTER OPTION > 1

 OUTPUT TO :
      0) NO OUTPUT !!!
      1) SCOUT PROJECT OFFICE / LARC, NASA
      2) VOUGHT CORPORATION   / DALLAS, TX
      3) PROJECTS DIRECTORATE / LARC, NASA

 ENTER OPTION NUMBER > 3

 OUTPUT TO :
      0) START OVER
      1) LQP C - SINGLE   SHEET
      2) LQP D - SINGLE   SHEET
      3) LQP E - SINGLE   SHEET
      4) LQP F - SINGLE   SHEET
      5) ETI   SYSTEM PRINTER / H

 ENTER OPTION NUMBER > 5

 ENTER NUMBER OF COPIES > 1

      (MAX. OF 5)
      (0 TO ABORT)

See Appendix C-1 for an example of the Drawing Information Only report output

format and Appendix C-2 for an example of the Drawing Information with Parts

Inventory List report output format.

Option 2 generates a report on a single drawing with two available formats: drawing information only or drawing information with a parts inventory list. The user must enter the LARC drawing number of the desired drawing record. The report may be sorted by LARC drawing number or by TRW drawing number, and will be displayed at the terminal screen with optional printer output. After generating the report, the user will be returned to the Report menu. The following examples illustrate each of the two report formats.

Example 1 - Drawing Information Only

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM DISPLAYS A SPECIFIED DRAWING IN TWO (2) FORMATS:

(1) DRAWING INFORMATION ONLY
(2) DRAWING INFORMATION WITH PARTS INVENTORY LIST

ENTER OPTION > 1

 ENTER LARC DRAWING NUMBER > 817347

 OUTPUT SORT BY: (1) LARC DRAWING NUMBER
                   (2) TRW   "   "

ENTER OPTION > 1

   12/13/84   PAGE   1

                          DRAWING   REPORT   -   BRIEF
                          ===========================

LARC   NUMBER   REV.   TITLE
TRW   NUMBER   L.R.   NEXT ASSEMBLIES
----   --------   ----   ---

LE   817347   DRIVE ASSY BIAXIAL GIMBAL ASSY
                         425325
425328   R

 OUTPUT TO PRINTER (Y OR N) > N

See Appendix C-1 for an example of the Drawing Information Only report output format and Appendix C-2 for an example of the Drawing Information with Parts Inventory List report output format.

Example 2 - Drawing Information with Parts Inventory List

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM DISPLAYS A SPECIFIED DRAWING IN TWO (2) FORMATS:

(1) DRAWING INFORMATION ONLY
(2) DRAWING INFORMATION WITH PARTS INVENTORY LIST

ENTER OPTION > 2

 ENTER LARC DRAWING NUMBER > 817347

 12/13/84   PAGE 1
           PARTS   INVENTORY LIST FOR LARC DRAWING LE   817347
                              REVISION
           TRW REFERENCED DRAWING : 425328   NEXT ASSEMBLIES : 425325
                   TITLED : DRIVE ASSY BIAXIAL GIMBAL ASSY
           PROCESSES : PR 12-6   PR 4-34   YP-23P-02   PR 9-18

 ---- -----------   ---
 ITEM PART NUMBER   DESCRIPTION
 ---- -----------   ---

   1   425330-1   MODULE ASSY

 --   --------   ----   ----
 MATERIAL ('*' AT DETAIL DWG/SPEC LEVEL)   CATEGORY   REQD   HAVE
 --   --------   ----   ----
 *   *   1   0

MORE? NO

 OUTPUT TO PRINTER (Y OR N) > N

See Appendix C-1 for an example of the Drawing Information Only report output format and Appendix C-2 for an example of the Drawing Information with Parts Inventory List report output format.

        Option 3 generates a report on a single drawing which must be re-

trieved by the TRW drawing number. The report may be sorted by LARC drawing number or by TRW drawing number, and will display drawing information only. The records found will be displayed at the terminal screen with an option for printer output. After the report has been generated, the user will be returned to the Report menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM DISPLAYS A SPECIFIED DRAWING IN TWO (2) FORMATS:

(1) DRAWING INFORMATION SORTED BY LARC DRAWING NUMBER
(2) DRAWING INFORMATION SORTED BY TRW DRAWING NUMBER

ENTER OPTION > 1

ENTER TRW DRAWING NUMBER > 425333

12/13/84   PAGE 1

                        DRAWING REPORT - BRIEF
                        =========================

LARC NUMBER   REV. TITLE
TRW   NUMBER   L.R. NEXT ASSEMBLIES
---- -------- ---- ---

LD   817351   A(L) GEAR, SPUR - TORQUER
425333   R   425328

OUTPUT TO PRINTER (Y OR N) > N

Option 4 generates a parts inventory report with either the associated LARC drawing number or the associated TRW drawing number. The report may include all drawings, only those with a value of 'R' in the 'update' data field, or only those without a value of 'R' in the 'update' data field. Several sort messages will appear on the terminal screen, but only printer output is available for the report. After the report has been generated, the data base will be resorted back to its original form, and the user will be returned to the Report menu. See Appendix C-3 for an example of the Special

Parts inventory report output format. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS PROGRAM PRINTS A PARTS INVENTORY REPORT IN TWO (2) FORMATS:

(1) WITH ASSOCIATED LARC DRAWING NUMBER
(2) WITH ASSOCIATED TRW DRAWING NUMBER

ENTER OPTION > 1

OPTIONS FOR PARTS LISTING :

(0) QUIT / EXIT
(1) ALL DRAWINGS
(2) UPDATE   = R
(3) UPDATE NOT = R

ENTER OPTION > 2

DATA NOW BEING SORTED .... PLEASE STAND BY.

SORT COMPLETED ... REPORT NOW BEING GENERATED.

OUTPUT TO :
     0)   NO OUTPUT !!!
     1)   SCOUT PROJECT OFFICE / LARC, NASA
     2)   VOUGHT CORPORATION   / DALLAS, TX
     3)   PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!

PLEASE STAND BY ... DATA BASE RESORTING BACK TO STANDARD FORM

Option 5 generates a report on the Haloe Mechanical Parts file. The report may include only a specific category or all categories, and may be sorted by Material Supply, by part number, or may remain unsorted. Only printer output is available for the report. After the report has been generated, the data base will be resorted back to its original form, and the user will be returned to the Report menu. Appendix C-4 contains an example of the Special Materials Listing report output format. Refer to the follow-ing example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS REPORT GENERATOR PERFORMS THE CATEGORY QUERY / MATERIALS
LISTING REPORT ON THE HALOE MECHANICAL PARTS FILE.

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
===

```
(  0  )    QUIT / EXIT
(  1  )    *
(  2  )    INORGANIC
(  3  )    POLYMERIC
(  4  )    LUBRICANT
(  5  )    PROCESS
( 15  )    NONE
( 99  )    ALL CATEGORIES
```

ENTER CATEGORY TO BE SELECTED > 5

PLEASE STAND BY .... CATEGORY SEARCH NOW IN PROGRESS

YOU HAVE SELECTED 1,522 RECORDS FROM THE PARTS FILE FOR QUERY

```
SORTING OPTIONS:   (0) NO SORTING
                   (1) MATERIAL SUPPLY
                   (2) PART-NUMBER
```

ENTER OPTION # > 1

SORTING OF CATEGORY / MATERIAL DATA NOW IN PROGRESS ... STAND BY

OUTPUT TO PRINTER (Y OR N) > N

PLEASE STAND BY .... DATA BASE BEING RESORTED BACK TO STANDARD FORM

WHICH DRAWING NUMBER IS TO BE DISPLAYED:

```
     (1)  TRW        (2)  LARC
```

ENTER OPTION > 1

PRINTER OUTPUT NOW BEING BUILT ... PLEASE STAND BY

Option 6 generates a listing of the entire SCC file data base. The
report may be spooled for printer output only. After the report has been
generated, the user will be returned to the Report menu. See Appendix D for
an example of the SCC standard report output format. Refer to the following

example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 6

THIS PROGRAM DISPLAYS THE ENTIRE SCC FILE DATA BASE

BEGIN REPORT GENERATION (Y OR N) > Y

OUTPUT TO :
    0) NO OUTPUT !!!
    1) SCOUT PROJECT OFFICE / LARC, NASA
    2) VOUGHT CORPORATION   / DALLAS, TX
    3) PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!

8.0   ELECTRICAL DRAWING FILE

The UARS Electrical Drawing file contains the Upper Atmosphere Research Satellite Electrical Drawings and their associated parts inventories for the Projects' Directorate.

Data in this area is stored in two (2) files: the Drawing File and the Parts File. The following is a list of field names for each file.

Field names for the Drawing File:

DRAWING NUMBER   DRAWING TITLE

Field names for the Parts File:

DRAWING NUMBER   PART NUMBER   ITEM NUMBER

MANUFACTURER   GENERIC NUMBER   CATEGORY

REQUIRED COUNT   HAVE COUNT   LOCATION

DESCRIPTION   APPROVAL FIELD   TYPE

The Electrical Drawing file main menu appears as follows:

UARS ELECTRICAL DRAWING FILE MAIN MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. Input   Menu
2. Update Menu
3. Delete Menu
4. Search Menu
5. Report Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

Each of these options will be discussed in the following sections.

8.1   INPUT OPTION

When the Input option is selected from the main menu, the Electrical Drawing file Input menu appears as follows:

UARS ELECTRICAL DRAWING FILE INPUT MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================:===

1.   Input to Drawing File
2.   Input to Category Lookup Table

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

8.1.1   INPUT TO DRAWING FILE

Option 1 allows the user to input a record into the Drawing File data base. Within this routine, the following menu is displayed:

1)   DRAWING RECORD INPUT
2)   PARTS INVENTORY LIST

     OPTION >

If the user chooses option 1, the Drawing File input screen will be displayed for input, followed by the Parts File input screen. If option 2 is chosen, only the Parts File input screen will be displayed for input. After input has been completed for either option, the message 'PLEASE WAIT ...' will be displayed, during which time the Drawing File will be sorted by Drawing Number, and the Parts File will be sorted by Drawing Number and by Item Number. When the sort has been completed, the user will be returned to the Input menu. The following are the input screens for each file.

Input screen for the Drawing File:

```
                 ELECTRICAL DRAWING INPUT / REVISE SCREEN
                 ==========================================


DRAWING NUMBER >  ..........


DRAWING TITLE:

>..............................................................................<


   Input screen for the Parts File:


                 ELECTRICAL PARTS INPUT / REVISE SCREEN
                 ========================================

   PART NUMBER >..................     FOR DRAWING NUMBER >..........

   ITEM NUMBER >..                     MANUFACTURER       >..................

   GENERIC NO. >....................     LOCATION >........

   DESCRIPTION >...............................................................<

   APPROVAL FIELD >.........................<     REQUIRED >....     HAVE >....
                                                  TYPE (P, G, S) >  ....
   CATEGORY NO. >..        ..............
   1. CAPACITORS  5. FILTERS        9. PC BOARDS   13. THERMISTORS   17. MISCELL.
   2. CONNECTORS  6. FUSES         10. RELAYS      14. TRANSFORMERS  18. NONE
   3. CRYSTALS    7. INDUCTORS     11. RESISTORS   15. TRANSISTORS
   4. DIODES      8. MICROCIRCUITS 12. SOLDER      16. WIRE & CABLE
```

8.1.2   INPUT TO CATEGORY LOOKUP TABLE

Option 2 allows the user to input records into the Category Lookup Table. A current list of the records in the table is displayed within the routine. The user will then enter the Category and Description for each new record. To end the input and exit the routine, the user must enter a return at the prompt for 'CATEGORY >'. A new listing of the records in the table will be displayed, and the user will then be returned to the Input menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM INPUTS TO THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
==

$RECNO	CATEGORY	DESCRIPTION
1	1	CAPACITORS
2	2	CONNECTORS
3	3	CRYSTALS
4	4	DIODES
5	5	FILTERS
6	6	FUSES
7	7	INDUCTORS
8	8	MICROCIRCUITS
9	9	PC BOARDS
10	10	RELAYS
11	11	RESISTORS
12	12	SOLDER
13	13	THERMISTORS
14	14	TRANSFORMERS
15	15	TRANSISTORS
16	16	WIRE & CABLE
17	17	MISCELLANEOUS
18	18	NONE
19	19	MAGNETIC PT

          20

CATEGORY>20

DESCRIPTION>MEMORY

          21

CATEGORY> ** return **

          1 RECORD(S) ADDED

THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
==

$RECNO	CATEGORY	DESCRIPTION
1	1	CAPACITORS
2	2	CONNECTORS
3	3	CRYSTALS
4	4	DIODES
5	5	FILTERS
6	6	FUSES
7	7	INDUCTORS
8	8	MICROCIRCUITS
9	9	PC BOARDS
10	10	RELAYS

```
11    11         RESISTORS
12    12         SOLDER
13    13         THERMISTORS
14    14         TRANSFORMERS
15    15         TRANSISTORS
16    16         WIRE & CABLE
17    17         MISCELLANEOUS
18    18         NONE
19    19         MAGNETIC PT
20    20         MEMORY
```

8.2   UPDATE OPTION

When the Update option is selected from the main menu, the Electrical

Drawing file Update menu appears as follows:

```
UARS ELECTRICAL DRAWING FILE UPDATE MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==============================================

1.   Change / Revise Drawing
2.   Change / Revise Drawing Part
3.   Change / Revise Category Lookup Table

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

8.2.1   UPDATE A DRAWING

Option 1 allows the user to update a record within the Drawing File

data base. At the prompt 'DRAW-NUMBER?>' the user must enter the drawing num-

ber of the record that is to be changed. When the desired record is found,

it will be displayed in an update screen identical to the corresponding input

screen illustrated in section 8.1.1 of this document. If multiple re-

cords are found having the same drawing number, only the first record found

will be displayed on the input / update screen. To retrieve the subsequent

records, type an '=' at the prompt 'DRAW-NUMBER?>'. If no records are found

having the desired drawing number, 'ITEM NOT FOUND' will be displayed, and

the user must enter a new drawing number, or enter a carriage return in order

to return to the Update menu. The following example illustrates this exit path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM ALLOWS REVISIONS TO THE DRAWING FILE BY ENTERING

THE DRAWING NUMBER OF THE RECORD YOU WANT TO BE CHANGED.

DRAW-NUMBER?> 318275

ITEM NOT FOUND

DRAW-NUMBER?> ** return **

8.2.2   UPDATE A DRAWING PART

        Option 2 allows the user to update a record within the Parts File data base. The user must first enter the appropriate drawing number. If no records are found having the desired drawing number, a message stating so will be displayed and the user may enter another drawing number or a enter a carriage return to exit. After entering a valid drawing number, the user must enter the item number of the record to be updated. If the desired record is found, it will be displayed in an update screen identical to the corresponding input screen illustrated in section 8.1.1 of this document. If multiple records are found having the same item number, only the first record found will be displayed on the input / update screen. To retrieve the subsequent records, type an '=' at the prompt 'ITEM-NO?>'. If no records are found having the desired item number, 'ITEM NOT FOUND' will be displayed, and the user must enter another item number, or enter a carriage return in order to return to the Update menu. The following example illustrates this exit path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM ALLOWS REVISIONS TO THE PARTS FILE FOR ANY DRAWING

ENTER DRAWING NUMBER OF PART TO BE CHANGED > 288098

NO SUCH DRAWING NUMBER AS 288098   IS IN THE CURRENT DATA FILE

ENTER DRAWING NUMBER OF PART TO BE CHANGED > D424167

ITEM-NO?> 3

ITEM NOT FOUND

ITEM-NO?> ** return **

8.2.3   UPDATE THE CATEGORY LOOKUP TABLE

Option 3 allows the user to update a record in the category lockup table. A listing of the records in the lookup table is displayed within the update routine. The user enters the record number of the record to be changed at the prompt 'RECNO?>'. The user will then be prompted for the Category and Description of the updated record. Entering a carriage return at a prompt for a new field value will leave that particular field unchanged. To exit the routine, the user will enter a carriage return at 'RECNO?>'. The user will then be returned to the Update menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM UPDATES RECORDS IN THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWINC RECORDS
===

$RECNO	CATEGORY	DESCRIPTION
1	1	CAPACITORS
2	2	CONNECTORS
3	3	CRYSTALS
4	4	DIODES
5	5	FILTERS
6	6	FUSES
7	7	INDUCTORS
8	8	MICROCIRCUITS
9	9	PC BOARDS

```
10    10         RELAYS
11    11         RESISTORS
12    12         SOLDER
13    13         THERMISTORS
14    14         TRANSFORMERS
15    15         TRANSISTORS
16    16         WIRE & CABLE
17    17         MISCELLANEOUS
18    18         NONE
19    19         MAGNETIC PT
```

RECNO?> 18

                    18

CATEGORY   =18

DESCRIPTION   =NONE

CATEGORY> ** return **

DESCRIPTION>MEMORY

RECNO?> ** return **

THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
==

```
$RECNO    CATEGORY DESCRIPTION
    1      1         CAPACITORS
    2      2         CONNECTORS
    3      3         CRYSTALS
    4      4         DIODES
    5      5         FILTERS
    6      6         FUSES
    7      7         INDUCTORS
    8      8         MICROCIRCUITS
    9      9         PC BOARDS
   10     10         RELAYS
   11     11         RESISTORS
   12     12         SOLDER
   13     13         THERMISTORS
   14     14         TRANSFORMERS
   15     15         TRANSISTORS
   16     16         WIRE & CABLE
   17     17         MISCELLANEOUS
   18     18         MEMORY
   19     19         MAGNETIC PT
```

8.3   DELETE OPTION

When the Delete option is selected from the main menu, the Electri-

cal Drawing file Delete menu appears as follows:

UARS ELECTRICAL DRAWING FILE DELETION MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
===================================

1. Delete a Part
2. Delete a Drawing
3. Delete a Category in Lookup Table

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

8.3.1   DELETE A PART

Option 1 allows the user to delete a record from the Parts File data base. The user must enter the appropriate drawing number and then the desired item number for the part that is to be deleted. If no records are found having the desired drawing number, the following message is displayed:

**** ERROR **** NO SUCH DRAWING NUMBER AS 288098   IN THE FILE

The user will then be returned to the Delete menu. If the desired record is retrieved, it will be displayed at the terminal screen along with a prompt for the user to indicate whether that record is to be deleted. A response of 'N' will cause the record to remain unchanged, and the user will be re-turned to the Delete menu. A response of 'Y' will generate a delete message, the record will then be deleted, and the user will be returned to the Delete menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM ALLOWS A PART TO BE DELETED FROM A SPECIFIED DRAWING

ENTER DRAWING NUMBER > D424103-1

ENTER ITEM NUMBER > 2

134

```
ITEM-NO           = 2
DRAW-NUMBER       =D424103-1
PART-NUMBER       =1H171-001Z-410
SUBSTITUTE-NO     =HARRIS
GENERIC-NUMBER    =HA2-2700-8
CATEGORY          = 8
REQD-COUNT        =   3
HAVE-COUNT        =  96
LOCATION          =L2 S4
DESCRIPTION       =IC, OPNL AMP
APPROVAL-FIELD    =
LOT-NUMBER        =
MANUF-DATE        = / /
TYPE              =G
FILLER            =
```

DELETE PART (Y OR N) > Y

PLEASE STAND BY .... RECORD BEING DELETED.

8.3.2   DELETE A DRAWING

Option 2 allows the user to delete a record from the Drawing File data base. It should be noted that when a Drawing File record is deleted, all the associated Parts File records for that drawing number are automatically deleted as well. The user must enter the appropriate drawing number to retrieve the desired record. If no records are found having the desired drawing number, the following message will be displayed:

'*********** ERROR ********** DRAWING NUMBER 288098   NOT FOUND

TRY AGAIN IF YOUR ERROR --------- NOTIFY ANALYST OTHERWISE'

The user will then be returned to the Delete menu. When a record is found having the desired drawing number, it will be displayed cn the screen with a prompt for the user to indicate whether that record is to be deleted. A response of 'N' will cause the record to remain unchanged, and the user will be returned to the Delete menu. A response of 'Y' will generate a delete message, the record will be deleted, and the user will be returned to

the Delete menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM ALLOWS FOR THE DELETION OF A RECORD FROM THE

DRAWING FILE BY ENTERING THE NUMBER FOR THE DESIRED RECORD

ENTER DRAWING NUMBER > D424103-1

```
          6

DRAW-NUMBER        =D424103-1
TITLE              =RADIOMETER PREAMP - CF2 C/2
FILLER             =
```

IS THIS THE CORRECT RECORD TO BE DELETED (Y OR N) > Y

PLEASE STAND BY .... RECORD BEING DELETED.

8.3.3   DELETE RECORD FROM CATEGORY LOOKUP TABLE

        Option 3 allows the user to delete a record from the category lookup

table. A listing of the records contained in the lookup table is displayed

within the delete routine. The user must enter the record number of the

record that is to be deleted. When deletion has been completed, a new

listing of the lookup table will be displayed, and the user will be returned

to the Delete menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM DELETES A RECORD IN THE CATEGORY LOOKUP TABLE

```
THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================
$RECNO    CATEGORY DESCRIPTION
    1     1        CAPACITORS
    2     2        CONNECTORS
    3     3        CRYSTALS
    4     4        DIODES
    5     5        FILTERS
    6     6        FUSES
    7     7        INDUCTORS
    8     8        MICROCIRCUITS
    9     9        PC BOARDS
```

```
10    10        RELAYS
11    11        RESISTORS
12    12        SOLDER
13    13        THERMISTORS
14    14        TRANSFORMERS
15    15        TRANSISTORS
16    16        WIRE & CABLE
17    17        MISCELLANEOUS
18    18        NONE
19    19        MAGNETIC PT
20    20        MEMORY
```

ENTER CATEGORY TO BE DELETED > 20

CATEGORY 20   DESCRIPTION MEMORY   NOW BEING DELETED

THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
==

```
$RECNO    CATEGORY DESCRIPTION
    1       1        CAPACITORS
    2       2        CONNECTORS
    3       3        CRYSTALS
    4       4        DIODES
    5       5        FILTERS
    6       6        FUSES
    7       7        INDUCTORS
    8       8        MICROCIRCUITS
    9       9        PC BOARDS
   10      10        RELAYS
   11      11        RESISTORS
   12      12        SOLDER
   13      13        THERMISTORS
   14      14        TRANSFORMERS
   15      15        TRANSISTORS
   16      16        WIRE & CABLE
   17      17        MISCELLANEOUS
   18      18        NONE
   19      19        MAGNETIC PT
```

8.4   SEARCH OPTION

When the Search option is selected from the main menu, the Electrical Drawing file Search menu appears as follows:

UARS ELECTRICAL DRAWING SEARCH / QUERY MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
===================================

1. Drawings   Title
2. Parts List Part Number
3. Parts List Substitute   Number
4. Parts List Generic   Number
5. Parts List Location
6. Parts List Description
7. Parts List Approval   Field
8. Parts List Type

   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

         All options generate special reports which are displayed at the

terminal screen and may be spooled for printer output. The reports in this

section have been modified for the purpose of illustration in this document.

These reports normally appear much wider on the terminal screen as well as

on the printer output format.

         Option 1 performs the Drawings Title search for the Drawing File. This

is a partial search. The user must enter the appropriate title to retrieve

the desired records. The entire title need not be entered. A search on

'PRE' would retrieve titles such as 'PRE-FLIGHT REPORT' and 'AIR PRESSURE'.

A report of those records found will be displayed on the screen, which the

user may spool for printer output. After responding to the spool option, the

user will be returned to the Search menu. See Appendix E-1 for an example of

the drawings report output format. Refer to the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS SEARCH ROUTINE PERFORMS THE TITLE QUERY / RETRIEVAL
ON THE DRAWING INFORMATION OF THE UARS ELECTRICAL DRAWING FILE.

ENTER TITLE TO BE SEARCHED ON > PRE

TITLE SEARCH FOR PRE   FOUND   10 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

                              DRAWING REPORT   -   BRIEF
                              =========================

         DRAWING #   TITLE
         --------   --

         D424103-1   RADIOMETER PREAMP - CF2 C/2

         D424103-2   RADIOMETER PREAMP - H20/03

         D424103-3   RADIOMETER PREAMP - CO2

         D424110-1   GAS CH PREAMP HG CD TE (NO)

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

NO OUTPUT SPOOLED !!!!!

        See Appendix E-2 for an example of the drawings with parts list
report output format which is used for searches options 2 through 8.

        Option 2 performs the Part Number search for the Parts File. This is
also a partial search. A search on the number '75' would retrieve records
having '1435758' and '7584098' as part numbers. Before entering the desired
part number, the user must select a category for which the search is to be
performed. All categories may be selected by entering a carriage return.
A report of those records found will be displayed at the terminal screen,
which may be spooled for printer output. After responding to the spool
option, the user will be returned to the Search menu. See the following
example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS SEARCH ROUTINE PERFORMS THE PART NUMBER QUERY / RETRIEVAL
ON THE PARTS LIST OF THE UARS ELECTRICAL DRAWING FILE.

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
===
(1)   CAPACITORS
(2)   CONNECTORS
(3)   CRYSTALS
(4)   DIODES
(5)   FILTERS
(6)   FUSES
(7)   INDUCTORS
(8)   MICROCIRCUITS
(9)   PC BOARDS
(10)   RELAYS
(11)   RESISTORS
(12)   SOLDER
(13)   THERMISTORS
(14)   TRANSFORMERS
(15)   TRANSISTORS
(16)   WIRE & CABLE
(17)   MISCELLANEOUS
(18)   NONE
(19)   MAGNETIC PT

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED 1,475 RECORDS FROM THE PARTS FILE FOR QUERY

ENTER PART NUMBER TO BE SEARCHED ON > 75

PART NUMBER SEARCH FOR 75   FOUND   27 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

11/ 8/84   PAGE   1

           PARTS   INVENTORY   LIST   FOR   DRAWING   :   D424085

           TITLED   :   FINE SUN SENSOR ANALOG

ITEM	PART NUMBER	MANUFACTURER	GENERIC NUMBER	CATEGORY
18	RCR05G751JS	AB		RESISTORS

REQD	HAVE	TYPE	APPROVAL INFORMATION	LOCATION
2	4	P		L3 S3

     DESCRIPTION: 750 OHM, 5%, 1/8 W

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

NO OUTPUT SPOOLED !!!!

Option 3 performs the Substitute Number search for the Parts File. This search is also a partial search and operates similarly to search option two (2). See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS SEARCH ROUTINE PERFORMS THE SUBSTITUTE NUMBER QUERY / RETRIEVAL
ON THE PARTS LIST OF THE UARS ELECTRICAL DRAWING FILE.

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
===
(1)   CAPACITORS
(2)   CONNECTORS
(3)   CRYSTALS
(4)   DIODES
(5)   FILTERS
(6)   FUSES
(7)   INDUCTORS
(8)   MICROCIRCUITS
(9)   PC BOARDS
(10)   RELAYS
(11)   RESISTORS
(12)   SOLDER
(13)   THERMISTORS
(14)   TRANSFORMERS
(15)   TRANSISTORS
(16)   WIRE & CABLE
(17)   MISCELLANEOUS
(18)   NONE
(19)   MAGNETIC PT

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED 1,475 RECORDS FROM THE PARTS FILE FOR QUERY

ENTER SUBSTITUTE NUMBER TO BE SEARCHED ON > 14

SUBSTITUTE NUMBER SEARCH FOR 14   FOUND   4 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

PARTS   INVENTORY LIST FOR DRAWING : D424110-1

TITLED : GAS CH PREAMP HG CD TE (NO)

ITEM	PART NUMBER	MANUFACTURER	GENERIC NUMBER	CATEGORY
13	RNC55H1503FR	TRW 4/DALE 14		RESISTORS

REQD	HAVE	TYPE	APPROVAL INFORMATION	LOCATION
4	18	P		L3 S5

DESCRIPTION: 150 K, 1%, 1/10 W, RNC55

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

NO OUTPUT SPOOLED !!!!

        Option 4 performs the Generic Number search for the Parts File. This

search is also a partial search and operates similarly to search option two

(2). See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS SEARCH ROUTINE PERFORMS THE GENERIC NUMBER QUERY / RETRIEVAL
ON THE PARTS LIST OF THE UARS ELECTRICAL DRAWING FILE.

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
===
(1)   CAPACITORS
(2)   CONNECTORS
(3)   CRYSTALS
(4)   DIODES
(5)   FILTERS
(6)   FUSES
(7)   INDUCTORS
(8)   MICROCIRCUITS
(9)   PC BOARDS
(10)   RELAYS
(11)   RESISTORS
(12)   SOLDER
(13)   THERMISTORS
(14)   TRANSFORMERS

```
(  15  )    TRANSISTORS
(  16  )    WIRE & CABLE
(  17  )    MISCELLANEOUS
(  18  )    NONE
(  19  )    MAGNETIC PT

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED    1,475 RECORDS FROM THE PARTS FILE FOR QUERY

ENTER GENERIC NUMBER TO BE SEARCHED ON > 22

GENERIC NUMBER SEARCH FOR 22           FOUND          24 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

11/ 8/84                                                    PAGE  1

              PARTS   INVENTORY   LIST   FOR   DRAWING   :   D424085

                   TITLED   :   FINE  SUN  SENSOR  ANALOG
```

ITEM	PART NUMBER	MANUFACTURER	GENERIC NUMBER	CATEGORY
38	1P085-001V-203	TI	JANTXV2N2222A	TRANSISTORS

REQD	HAVE	TYPE	APPROVAL INFORMATION	LOCATION
4	78	P		L5 S2

```
        DESCRIPTION:

MORE? N

 OUTPUT TO PRINTER (Y OR N) > N

 NO OUTPUT SPOOLED !!!
```

Option 5 performs the Location search for the Parts File. This search
is also a partial search and operates similarly to search option two (2).
See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS SEARCH ROUTINE PERFORMS THE LOCATION QUERY / RETRIEVAL
ON THE PARTS LIST OF THE UARS ELECTRICAL DRAWING FILE.

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
==
(1)   CAPACITORS
(2)   CONNECTORS
(3)   CRYSTALS
(4)   DIODES
(5)   FILTERS
(6)   FUSES
(7)   INDUCTORS
(8)   MICROCIRCUITS
(9)   PC BOARDS
(10) RELAYS
(11) RESISTORS
(12) SOLDER
(13) THERMISTORS
(14) TRANSFORMERS
(15) TRANSISTORS
(16) WIRE & CABLE
(17) MISCELLANEOUS
(18) NONE
(19) MAGNETIC PT

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) > 8

YOU HAVE SELECTED   296 RECORDS FROM THE PARTS FILE FOR QUERY

ENTER LOCATION TO BE SEARCHED ON > 1

LOCATION SEARCH FOR 1   FOUND   117 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

11/ 8/84   PAGE   1

           PARTS   INVENTORY   LIST   FOR   DRAWING :   D424083

               TITLED : COARSE SUN SENSOR AZIMUTH

ITEM	PART NUMBER	MANUFACTURER	GENERIC NUMBER	CATEGORY
26	M38510/11201BCX	FAIRCHILD	LM139AD	MICROCIRCUITS

REQD	HAVE	TYPE	APPROVAL INFORMATION	LOCATION
2	32	P		L1 S2

    DESCRIPTION: COMPARATOR

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

NO OUTPUT SPOOLED !!!!

Option 6 performs the Description search for the Parts File. This search is also a partial search and operates similarly to search option two (2). See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 6

THIS SEARCH ROUTINE PERFORMS THE DESCRIPTION QUERY / RETRIEVAL
ON THE PARTS LIST OF THE UARS ELECTRICAL DRAWING FILE.

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
==
(1)   CAPACITORS
(2)   CONNECTORS
(3)   CRYSTALS
(4)   DIODES
(5)   FILTERS
(6)   FUSES
(7)   INDUCTORS
(8)   MICROCIRCUITS
(9)   PC BOARDS
(10)   RELAYS
(11)   RESISTORS
(12)   SOLDER
(13)   THERMISTORS
(14)   TRANSFORMERS
(15)   TRANSISTORS
(16)   WIRE & CABLE
(17)   MISCELLANEOUS
(18)   NONE
(19)   MAGNETIC PT

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED 1,475 RECORDS FROM THE PARTS FILE FOR QUERY

ENTER DESCRIPTION TO BE SEARCHED ON > TO

DESCRIPTION SEARCH FOR TO   FOUND   45 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

PARTS   INVENTORY   LIST   FOR   DRAWING   :   D424083

TITLED   :   COARSE   SUN   SENSOR   AZIMUTH

ITEM	PART NUMBER	MANUFACTURER	GENERIC NUMBER	CATEGORY
26	M38510/11201BCX	FAIRCHILD	LM139AD	MICROCIRCUITS

REQD	HAVE	TYPE	APPROVAL INFORMATION	LOCATION
2	32	P		L1 S2

DESCRIPTION: COMPARATOR

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

NO OUTPUT SPOOLED !!!!

Option 7 performs the Approval Field search for the Parts File. This

search is also a partial search and operates similarly to search option two

(2). See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 7

THIS SEARCH ROUTINE PERFORMS THE APPROVAL FIELD QUERY / RETRIEVAL
ON THE PARTS LIST OF THE UARS ELECTRICAL DRAWING FILE.

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
==
    (1)   CAPACITORS
    (2)   CONNECTORS
    (3)   CRYSTALS
    (4)   DIODES
    (5)   FILTERS
    (6)   FUSES
    (7)   INDUCTORS
    (8)   MICROCIRCUITS
    (9)   PC BOARDS
    (10)   RELAYS
    (11)   RESISTORS
    (12)   SOLDER
    (13)   THERMISTORS
    (14)   TRANSFORMERS
    (15)   TRANSISTORS

```
( 16 )   WIRE & CABLE
( 17 )   MISCELLANEOUS
( 18 )   NONE
( 19 )   MAGNETIC PT

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED  1,475 RECORDS FROM THE PARTS FILE FOR QUERY

ENTER APPROVAL FIELD TO BE SEARCHED ON > 2

APPROVAL FIELD SEARCH FOR 2          FOUND     1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

11/ 8/84                                                    PAGE  1

        PARTS   INVENTORY   LIST   FOR   DRAWING   :   D424125-4

             TITLED  :   GAS CHANNEL SIGNAL PROCESSING HF

ITEM PART NUMBER        MANUFACTURER      GENERIC NUMBER       CATEGORY
---- --------------     -------------     ----------------     -----------

 32  RNC55J6043FR       DALE                                   RESISTORS

REQD HAVE  TYPE   APPROVAL INFORMATION                         LOCATION
---- ----  ----   -------------------------------------------  -----------

 4    98   P      2                                            L4 S1

     DESCRIPTION: 604 K, 1%, 1/10 W, RNC55

OUTPUT TO PRINTER (Y OR N) > N

NO OUTPUT SPOOLED !!!!
```

Option 8 performs the Type search for the Parts File. This search is also a partial search and operates similarly to search option two (2). See the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 8

THIS SEARCH ROUTINE PERFORMS THE TYPE QUERY / RETRIEVAL
ON THE PARTS LIST OF THE UARS ELECTRICAL DRAWING FILE.

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
============================================================
( 1 )   CAPACITORS
( 2 )   CONNECTORS
```

```
( 3 )    CRYSTALS
( 4 )    DIODES
( 5 )    FILTERS
( 6 )    FUSES
( 7 )    INDUCTORS
( 8 )    MICROCIRCUITS
( 9 )    PC BOARDS
( 10 )   RELAYS
( 11 )   RESISTORS
( 12 )   SOLDER
( 13 )   THERMISTORS
( 14 )   TRANSFORMERS
( 15 )   TRANSISTORS
( 16 )   WIRE & CABLE
( 17 )   MISCELLANEOUS
( 18 )   NONE
( 19 )   MAGNETIC PT
```

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) > ** return **

YOU HAVE SELECTED 1,475 RECORDS FROM THE PARTS FILE FOR QUERY

ENTER THE TYPE TO BE SEARCHED ON > G

TYPE SEARCH FOR G FOUND   249 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

11/ 8/84   PAGE   1

PARTS   INVENTORY   LIST   FOR   DRAWING   :   D424083

TITLED : COARSE SUN SENSOR AZIMUTH

ITEM	PART NUMBER	MANUFACTURER	GENERIC NUMBER	CATEGORY
1	1H574-001Z-410	PMI	OP07AJ/883	MICROCIRCUITS

REQD	HAVE	TYPE	APPROVAL INFORMATION	LOCATION
6	100	G		BUY

   DESCRIPTION: OPNL AMP

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

NO OUTPUT SPOOLED !!!!

8.5   REPORT OPTION

When the Report option is selected from the main menu, the Electrical Drawing file Report menu appears as follows:

UARS ELECTRICAL DRAWING FILE REPORT MENU FOR THE PROJECTS' DIRECTORATE

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1. Print All
2. Display by Drawing Number
3. Special Parts Inventory Report

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All options generate specially formatted reports, some of which are sent directly to the printer for spooled output, and some which are first displayed at the terminal screen with the option for printer output. The sample reports in this section have been modified for the purpose of illustration in this document. When run from the program, these reports appear much wider on the terminal screen and on printer output.

Option 1 generates a report of the entire Drawing File data base in one of two formats: Drawing Information Only, or Drawing Information with Parts Inventory List. After the user selects the desired option, the report will be generated for output and the spooling menu will be displayed. Note that the report is not visible or the terminal screen. After spooling has been completed, the user will be returned to the Report menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM DISPLAYS THE ENTIRE DRAWING FILE DATA BASE WITH TWO (2)

OPTIONAL OUTPUT FORMATS: (1) DRAWING INFORMATION ONLY
                           (2) DRAWING INFORMATION WITH PARTS INVENTORY LIST

```
ENTER OPTION > 1

OUTPUT TO :
    0) NO OUTPUT !!!
    1) SCOUT  PROJECT OFFICE / LARC, NASA
    2) VOUGHT CORPORATION    / DALLAS, TX
    3) PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!
```

See Appendix E-1 for an example of the Drawing Information Only report output format and Appendix E-2 for an example of the Drawing Information with Parts Inventory List report output format.

Option 2 generates a report on a specified drawing in one of two formats: Drawing Information Only, or Drawing Information with a Parts Inventory List. The user must first enter the desired format number, and then the desired drawing number. The report will then be displayed at the terminal screen, along with a prompt to indicate whether printer output is desired. After answering the output prompt, the user will be returned to the Report menu. The following examples illustrate both formats available for this option.

Example 1 - Format 1 - Drawing Information Only

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM DISPLAYS A SPECIFIED DRAWING IN TWO (2) FORMATS:

(1)  DRAWING INFORMATION ONLY
(2)  DRAWING INFORMATION WITH PARTS INVENTORY LIST

ENTER OPTION > 1

ENTER DRAWING NUMBER > D424103-1
```

DRAWING REPORT   -   BRIEF
========================

DRAWING #	TITLE
D424103-1	RADIOMETER PREAMP - CF2 C/2

OUTPUT TO PRINTER (Y OR N) > N

See Appendix E-1 for an example of the Drawing Information Only report output

format and Appendix E-2 for an example of the Drawing Information with Parts

Inventory List report output format.

Example 2 - Format 2 - Drawing Information with Parts Inventory List

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM DISPLAYS A SPECIFIED DRAWING IN TWO (2) FORMATS:

(1) DRAWING INFORMATION ONLY
(2) DRAWING INFORMATION WITH PARTS INVENTORY LIST

ENTER OPTION > 2

ENTER DRAWING NUMBER > D424103-1

11/ 8/84   PAGE   1

PARTS INVENTORY LIST FOR DRAWING : D424103-1

TITLED : RADIOMETER PREAMP - CF2 C/2

ITEM	PART NUMBER	MANUFACTURER	GENERIC NUMBER	CATEGORY
1	M38510/11401BGX	NATIONAL	LF155AH	MICROCIRCUITS

REQD	HAVE	TYPE	APPROVAL INFORMATION	LOCATION
3	4	P		BUY

DESCRIPTION: IC, OPNL AMP

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

NO OUTPUT SPOOLED !!!!

See Appendix E-1 for an example of the Drawing Information Only report output

format and Appendix E-2 for an example of the Drawing Information with Parts

Inventory List report output format.

    Option 3 generates a Special Parts Inventory report for the Parts

File. This report may be formatted using the entire Parts File, the Spare

Parts only, or the Drawing Parts only. All of these reports may be sorted

either by part number or by generic number. The report is sent directly

to the printer for spooled output and is not visible on the terminal screen.

After responding to the spool menus options, the user will be returned to the

Report menu. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

PARTS INVENTORY REPORT OPTIONS

(1)   SELECT ENTIRE PARTS FILE
(2)   SELECT SPARE   PARTS ONLY
(3)   SELECT DRAWING PARTS ONLY

ENTER OPTION > 1

DATA SORTED BY : (1) PART NUMBER   OR   (2) GENERIC NUMBER

ENTER NUMBER > 1

DATA NOW BEING SORTED .... PLEASE STAND BY.

SORT COMPLETED ... REPORT NOW BEING GENERATED.

OUTPUT TO :
    0) NO OUTPUT !!!
    1) SCOUT PROJECT OFFICE / LARC, NASA
    2) VOUGHT CORPORATION   / DALLAS, TX
    3) PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!

See Appendix E-3 for an example of the Entire Parts or Spare Parts Only Special Parts Inventory report output format. See Appendix E-1 for an example of the Drawing Parts Only report output format.

9.0   FIPPS PROCESSING FILE

The FIPPS Processing file main menu appears as follows:

PROCESSING DOCUMENTS DATA FILE (FIPPS)
==

Available Options are as follows:

(0) Exit   - quit program (Return)
(1) Input   - add new record to file
(2) Update   - revise or delete record
(3) Search   - query & retrieve records
(4) Archive - purge & save old records

    Enter Option >

In order to access the Input, Update, and Archive routines, the user must have the proper security clearance (placed internally on the user ID). The Search routine has open access to all users.

9.1   INPUT OPTION

When the Input option is selected from the main menu, and the proper security clearance has been passed, the Input routine operates as follows:

    Enter Option > 1

WELCOME TO THE PROCESSING FILE INPUT ROUTINE
PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS

! DOCUMENT NUMBER!REV.!
  TEST-1   A
  TEST-1   A

!   TITLE   !
  FUNCTIONAL TEST PRO-

!   TITLE   !
  CEDURE FOR HALOE EMPTY

!   TITLE   !
  CELL LEAK

```
FUNCTIONAL TEST PRO-
CEDURE FOR HALOE EMPTY
CELL LEAK

COPY ON FILE   (Y OR N) > Y

 PROPRIETARY     (Y OR N) > Y

APPLICABLE:
ERBE   (X OR BLANK) > X

HALOE (X OR BLANK) > X

 REVIEW          DATE
! GSFC NAME   !MM/DD/YY!
 SAUNDERS      01/03/85

 REVIEW          DATE
! LARC NAME   !MM/DD/YY!
 JONES         01/06/85

APPROVAL:
LARC USE
!MM/DD/YY!
 01/15/85

LARC SUBSTITUTE
!MM/DD/YY!
 01/17/85

!    REMARKS            !
 ** return **

!    REMARKS            !
 ** return **

!    REMARKS            !
 ** return **


    #1                  #3              #4   #5   #6    #7
    #2
```

			COPY ON FILE	PRO-PRIE TARY	APPLICABLE	
DOCUMENT NO. REVISION		TITLE			ERBE	HALOE
TEST-1	A	FUNCTIONAL TEST PRO- CEDURE FOR HALOE EMPTY CELL LEAK	Y	Y	X	X

```
     #8          #10          #12          #13          #14
     #9          #11
```

```
           REVIEW                    APPROVAL
     NAME          NAME     APPROVED   COMPARABLE
     DATE          DATE     FOR USE      LARC
     GSFC          LARC     AT LARC    SUBSTITUTE     REMARKS
     SAUNDERS      JONES    01/15/85   01/17/85
     01/03/85      01/06/85
```

RECORD CORRECT / NEED REVISE   (COR OR REV) > COR

More Input   (Y or N) N

It should be noted that the format of the record has been modified for the purpose of illustration in this document. The input record appears much wider at the terminal screen when input is performed through the program.

Several data fields are internally checked during input and will accept only certain values. For example, if a character other than 'Y' or 'N' is entered for the 'Copy on File' field or the 'Proprietary' field, the message 'IMPROPER RESPONSE **** MUST BE 'Y' FOR YES OR 'N' FOR NO' will be displayed. In the 'ERBE' and 'HALOE' fields, only an 'X' or a blank response are acceptable. If another character is entered for either of these fields, the message 'IMPROPER RESPONSE **** MUST BE A BLANK OR AN 'X'' will be displayed.

After indicating that the input record is correct and that no more input is desired, the user will be returned to the program main menu.

9.2   UPDATE OPTION

When the Update option is selected from the main menu, the FIPPS Processing file Update routine is invoked. In order to retrieve the record that is to be modified the user must enter the appropriate processing document number. See the following example.

Enter Option > 2

WELCOME TO THE PROCESSING FILE REVISE ROUTINE
PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS

WHICH PROCESSING DOCUMENT IS TO BE REVISED OR DELETED
!   !
  TEST-1

STAND BY. SEARCH NOW IN PROGRESS.

    #1   #3   #4   #5   #6   #7
    #2

                                       COPY PRO- APPLICABLE
    DOCUMENT NO.   ON   PRIE
      REVISION   TITLE   FILE TARY ERBE HALOE

    TEST-1   FUNCTIONAL TEST PRO-   Y   Y   X   X
            A   CEDURE FOR HALOE EMPTY
                      CELL LEAK

    #8   #10   #12   #13   #14
    #9   #11

         REVIEW   APPROVAL
    NAME   NAME   APPROVED COMPARABLE
    DATE   DATE   FOR USE   LARC
    GSFC   LARC   AT LARC   SUBSTITUTE   REMARKS

  SAUNDERS   JONES   01/15/85 01/17/85
    01/03/85   01/06/85

  Is this the correct document (Y or N) > Y

  To be REVISED or DELETED (REV or DEL) > REV

  How many items are to be Revised (Max 14) > 2

  Enter item number > 5

(5) PROPRIETARY (Y OR N)
! !
  N
  N

  Enter item number > 6

                        - page 129 -

(6) APPLICABLE: ERBE (X OR BLANK)
! !
** return **

| #1 | | #3 | | #4 | #5 | #6 | #7 |
| #2 | | | | | | | |

			COPY	PRO-	APPLICABLE	
			ON	PRIE		
DOCUMENT NO.			FILE	TARY	ERBE HALOE	
REVISION	TITLE					

DOCUMENT NO. REVISION	TITLE	COPY ON FILE	PRO- PRIE TARY	APPLICABLE ERBE	HALOE
TEST-1	FUNCTIONAL TEST PRO-	Y	N		X
A	CEDURE FOR HALOE EMPTY				
	CELL LEAK				

| #8 | #10 | #12 | #13 | #14 |
| #9 | #11 | | | |

REVIEW		APPROVAL			
NAME	NAME	APPROVED	COMPARABLE	
DATE	DATE	FOR USE	LARC	
GSFC	LARC	AT LARC	SUBSTITUTE	REMARKS
SAUNDERS	JONES	01/15/85	01/17/85	
01/03/85	01/06/85			

RECORD CORRECT / NEED REVISE (COR OR REV) > COR

It should be noted that the format of the record has been modified for the purpose of illustration in this document. When updated from the program, the record appears much wider on the terminal screen.

At the prompt 'RECORD CORRECT / NEED REVISE (COR OR REV) >', if the user enters 'REV', the fields of the record may be updated again. The number of fields to be modified must be entered as well as which fields are to be changed. After indicating that the record is correct, the user will be returned to the program main menu.

9.3   DELETE OPTION

The Delete routine is invoked in the FIPPS Processing file by going

through the Update option on the main menu. Once the proper security clearance has been passed, the user must enter the number of the document that is to be deleted, and then the letters 'DEL' to indicate that the record is to be deleted rather than revised. The routine operates as follows.

```
        Enter Option > 2
WELCOME TO THE PROCESSING FILE REVISE ROUTINE
PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS

WHICH PROCESSING DOCUMENT IS TO BE REVISED OR DELETED
!           !
  TEST-2

STAND BY.  SEARCH NOW IN PROGRESS.

   #1                    #3              #4  #5  #6  #7
   #2


                                    COPY PRO- APPLICABLE
   DOCUMENT NO.                      ON   PRIE
      REVISION       TITLE           FILE TARY ERBE HALOE

TEST-2               HALOE WEDGED WINDOW    Y    N         X
        B            ALIGNMENT TEST PROCEDURE

   #8           #10        #15        #13        #14
   #9           #11

        REVIEW                  APPROVAL
NAME             NAME     APPROVED  COMPARABLE
DATE             DATE     FOR USE     LARC
GSFC             LARC     AT LARC   SUBSTITUTE      REMARKS

BOSTICK       PUGHES     12/01/84  12/15/84
      3/31/84     04/14/84

Is this the correct document  (Y or N) > Y

To be REVISED or DELETED  (REV or DEL) > DEL
```

When the 'DEL' response has been entered, the record will then be internally purged, and the user will be returned to the program main menu.

9.4   SEARCH OPTION

When the Search option is selected from the main menu, the FIPPS
Processing file is automatically sorted by processing document number. After
a three to five second delay, the Search menu will be displayed as follows.

Enter Option > 3

PLEASE STAND BY : PROCESSING DATA FILE HOUSEKEEPING NOW IN PROGRESS

PROCESSING FILE CONTAINS   213 DOCUMENTS

        Welcome to the Processing Search Routine
        ===

        Available Options are as follows:

            (0) Return to Main Menu
            (1) All
            (2) Title
            (3) Processing Document #
            (4) Copy on File
            (5) Proprietary
            (6) Applicable: ERBE
            (7) Applicable: HALOE
            (8) GSFC Name
            (9) GSFC Review Date
           (10) LaRC Name
           (11) LaRC Review Date
           (12) Approval Date: LaRC Use
           (13) Approval Date: LaRC Substitute

        Enter Option >

All report examples shown in this section have been modified for the
purpose of illustration in this document. The records appear much wider
when viewed at the terminal screen and when spooled for printer output. See
Appendix F for an example of the FIPPS report output format.

Option 1, the All search, prints the entire FIPPS Processing file data
base at the terminal screen with an option for printer output. The user must
first indicate whether to begin printing or exit the routine by entering a
'Y' or an 'N'.

Option 2 performs the Title search which is a partial search. The user enters a word to search on, such as 'BOLT', and those titles containing the desired word will be displayed at the terminal screen. A search on 'BOLT' would retrieve such titles as 'BOLT CHECK' and 'BOLT INVENTORIES'. The user may enter another search word to retrieve a single record or a smaller group of records from the titles displayed at the terminal screen. When no more searching is desired, the user must type 'QUIT' and then the records that were retrieved will be displayed at the terminal screen in their entirety. Printer output of those records is available. The user will be returned to the Search menu after completing the search routine. See the following example.

```
                    Enter Option  > 2
WHAT IS THE DESIRED WORD (FINISHED, TYPE 'QUIT')
TEST

STAND BY.  SEARCH NOW IN PROGRESS.

CONTINUITY TESTING OF   MULTILAYER PWB'S

THERE ARE    1 DOCUMENTS CONTAINING THE WORD TEST

WHAT IS THE DESIRED WORD (FINISHED, TYPE 'QUIT')
QUIT

***********************************************************************
                                       COPY PRO- APPLICABLE
    DOCUMENT NO.                        ON  PRIE
      REVISION      TITLE               FILE TARY ERBE HALOE
***********************************************************************


    FIPP 7-13-07      CONTINUITY TESTING OF     N    Y         X
          B/C1        MULTILAYER PWB'S


***********************************************************************
            REVIEW                  APPROVAL
    NAME            NAME      APPROVED  COMPARABLE
    DATE            DATE      FOR USE      LARC
    GSFC            LARC      AT LARC   SUBSTITUTE    REMARKS
***********************************************************************
```

Hard Copy to Printer (Y or N) > N

      Option 3 performs the Processing Document Number search. The user

must enter the document number of the desired record. When found, the record

will be displayed at the terminal screen and may be spooled for output. The

user will then be returned to the Search menu. See the following example.

                    Enter Option > 3

WHAT IS THE DESIRED DOCUMENT NUMBER > YP-17F-03

STAND BY. SEARCH NOW IN PROGRESS.

```
*********************************************************************
                                      COPY PRO- APPLICABLE
   DOCUMENT NO.                        ON  PRIE
     REVISION        TITLE            FILE TARY ERBE HALOE
*********************************************************************

   YP-17F-03          HALOE WEDGED WINDOW        Y    N         X
                      ALIGNMENT TEST PROCEDURE


*********************************************************************
         REVIEW                  APPROVAL
   NAME            NAME     APPROVED   COMPARABLE
   DATE            DATE     FOR USE      LARC
   GSFC            LARC     AT LARC    SUBSTITUTE      REMARKS
*********************************************************************
```

THERE ARE   1 PROCESSING DOCUMENTS WITH A NUMBER OF YP-17F-03

Hard Copy to Printer (Y or N) > N

      Option 4 performs the Copy On File search. The user may search for

records containing a value of 'Y' or a value of 'N' for the Copy On File

data field. Those records retrieved will be displayed at the terminal screen

and may be spooled for printer output. The user will then be returned to

the Search menu. See the following example.

Enter Option > 4

COPY ON FILE SEARCH (Y OR N) > N

STAND BY. SEARCH NOW IN PROGRESS.

```
*******************************************************************************
                                                 COPY  PRO-  APPLICABLE
    DOCUMENT NO.                                  ON    PRIE
       REVISION          TITLE                    FILE  TARY  ERBE  HALOE
*******************************************************************************

    FIPP 0-00-21      TOUCH-UP OF FILM & GLASS    N     Y           X
         B/C2         PLATES FOR PN MULTILAYER
                      BOARDS & BOARD ASSY.


*******************************************************************************
        REVIEW                      APPROVAL
    NAME            NAME       APPROVED   COMPARABLE
    DATE            DATE       FOR USE       LARC
    GSFC            LARC       AT LARC    SUBSTITUTE     REMARKS
*******************************************************************************



*******************************************************************************
                                                 COPY  PRO-  APPLICABLE
    DOCUMENT NO.                                  ON    PRIE
       REVISION          TITLE                    FILE  TARY  ERBE  HALOE
*******************************************************************************

    FIPP 7-11-02      INSTALLION OF COMPRES-      N     N     X     X
         D/E1         SION MOUNTED TEFLON
                      INSULATED TERMINALS


*******************************************************************************
        REVIEW                      APPROVAL
    NAME            NAME       APPROVED   COMPARABLE
    DATE            DATE       FOR USE       LARC
    GSFC            LARC       AT LARC    SUBSTITUTE     REMARKS
*******************************************************************************
```

REVIEW AT LARC: DATE
UNKNOWN - TRW SUBSTI
TUTED 7-18-03J

THERE ARE   2 PROCESSING DOCUMENTS WITH A COPY ON FILE OF N

Hard Copy to Printer (Y or N) > N

Option 5, the Proprietary search, operates identical to option 4. The

user may search on values of 'Y' or 'N'. Those records retrieved will be

displayed at the terminal screen and may be spooled for printer output. The user will then be returned to the Search menu.

Option 6 performs the Applicable: ERBE search. The user enters no information as the routine automatically searches for those records containing an 'X' in the Applicable: ERBE data field. Those records found will be displayed at the terminal screen and may be spooled for printer output. The user will then be returned to the Search menu. See the following example.

```
              Enter Option > 6

STAND BY.  SEARCH NOW IN PROGRESS.

***************************************************************************
                                    COPY PRO- APPLICABLE
  DOCUMENT NO.                       ON  PRIE
     REVISION      TITLE            FILE TARY ERBE HALOE
***************************************************************************

2A014              CONNECTORS, RECTANGULAR   Y    N   X     X
     F             MULTPIN, MIL-C-24308
                   TYPE

***************************************************************************
         REVIEW                 APPPOVAL
  NAME           NAME      APPROVED  COMPARABLE
  DATE           DATE      FOR USE      LARC
  GSFC           LARC      AT LARC    SUBSTITUTE    REMARKS
***************************************************************************


***************************************************************************
                                    COPY PRO- APPLICABLE
  DOCUMENT NO.                       ON  PRIE
     REVISION      TITLE            FILE TARY ERBE HALOE
***************************************************************************

2A016              CONTRACTS, CRIMP TYPE,    Y    N   X     X
     C             ELECTRICAL, REMOVABLE
                   FOR 2A014 CONNECTORS

***************************************************************************
         REVIEW                 APPPOVAL
  NAME           NAME      APPROVED  COMPARABLE
  DATE           DATE      FOR USE      LARC
  GSFC           LARC      AT LARC    SUBSTITUTE    REMARKS
***************************************************************************
```

THERE ARE   2 PROCESSING DOCUMENTS AFFECTING ERBE

Hard Copy to Printer (Y or N) > N

Option 7, the Applicable: HALOE search operates identical to option 6. The routine automatically searches for those records containing an 'X' in the Applicable: HALOE data field. The retrieved records will be displayed at the terminal screen and may be spooled for printer output. The user will then be returned to the Search menu.

Option 8 performs the GSFC Name search. The user must enter the appropriate name for the desired records. The retrieved records will be displayed at the terminal screen and may be spooled for printer output. The user will then be returned to the Search menu.

Option 9 performs the GSFC Review Date search. This data field is a date field but may also contain character data, such as 'YES'. When searching for a date in this field, the user must enter the desired date in the format MM/DD/YY. Note that the slashes (/) must be included. The records retrieved in this search will be displayed at the terminal screen and may be spooled for printer output. The user will then be returned to the Search menu.

Option 10, the LARC Name search, operates identical to option 8, the GSFC Name search. See the following example.

Enter Option > 10

WHAT IS THE DESIRED LARC NAME > E. HOGGE

STAND BY. SEARCH NOW IN PROGRESS.

```
******************************************************************
                                    COPY PRO- APPLICABLE
    DOCUMENT NO.                     ON  PRIE
      REVISICN       TITLE           FILE TARY ERBE HALOE
******************************************************************

    M600369        BONDING KAPTON HEATERS   Y    N    X    X
       B           (ALL PROJECTS)


******************************************************************
           REVIEW                 APPROVAL
    NAME           NAME    APPROVED  COMPARABLE
    DATE           DATE    FOR USE      LARC
    GSFC           LARC    AT LARC   SUBSTITUTE    REMARKS
******************************************************************

           E. HOGGE        YES                   APPROVED BY SHERRILL
           08/18/82


******************************************************************
                                    COPY PRO- APPLICABLE
    DOCUMENT NO.                     ON  PRIE
      REVISICN       TITLE           FILE TARY ERBE HALOE
******************************************************************

    PR 2- 8        SOLVENT CLEANING    Y    N    X    X
       F


******************************************************************
           REVIEW                 APPROVAL
    NAME           NAME    APPROVED  COMPARABLE
    DATE           DATE    FOR USE      LARC
    GSFC           LARC    AT LARC   SUBSTITUTE    REMARKS
******************************************************************

           E. HOGGE        YES                   APPROVED BY SHERRILL
  11/18/81  08/18/82
```

THERE ARE   2 PROCESSING DOCUMENTS WITH LARC NAME OF E. HOGGE

Hard Copy to Printer (Y or N) > N

Option 11, the LARC Review Date search, operates identical to the
GSFC Review Date search In option 9. Here again, character data may be
entered for this data field, but when searching for a date the user must use
the format MM/DD/YY. See the following example.

```
                    Enter Option  > 11

ENTER THE LARC REVIEW DATE  MM/DD/YY > 08/22/82

STAND BY.  SEARCH NOW IN PROGRESS.

*******************************************************************************
                                        COPY PRO- APPLICABLE
        DOCUMENT NO.                      ON  PRIE
          REVISION       TITLE           FILE TARY ERBE HALOE
*******************************************************************************

M600369              BONDING KAPTON HEATERS    Y    N    X     X
      B              (ALL PROJECTS)


*******************************************************************************
          REVIEW                    APPROVAL
NAME             NAME      APPROVED  COMPARABLE
DATE             DATE      FOR USE     LARC
GSFC             LARC      AT LARC   SUBSTITUTE    REMARKS
*******************************************************************************

        E. HOGGE         YES                    APPROVED BY SHERRILL
        08/22/82



THERE ARE    1 DOCUMENTS WITH A DATE OF 08/22/82

Hard Copy to Printer  (Y or N)  > N
```

Options 12 and 13, the Approval Date: LARC Use and the Approval Date: LARC Substitute searches operate identical to options 9 and 11. These fields are date fields but may also contain character data, such as 'YES'. When searching for a date, however, the user must enter the desired date in the form MM/DD/YY. Note that the slashes (/) must be included. The records retrieved will be displayed at the terminal screen and may be spooled for printer output. The user will then be returned to the Search menu.

9.5   ARCHIVE OPTION

When the Archive option has been selected from the main menu, and the proper security clearance has been passed, the FIPPS Processing file

Archive routine is invoked. The user must first enter how many documents are to be archived, and then enter the processing document number for each desired record. If the user responds that four (4) documents are to be archived and then makes an error in entering one of the processing document numbers, only three of the desired documents will be archived. The incorrect number entered will produce the message 'PROCESSING RECORD NOT FOUND IN DATA FILE', and the user will need to reenter the archive routine to archive the one document. Therefore, the user should enter the document number accurately. See the following example.

```
        Enter Option > 4
WELCOME TO THE PROCESSING FILE ARCHIVE ROUTINE

HOW MANY DOCUMENTS DO YOU WISH TO ARCHIVE >  1

WHICH PROCESSING RECORD IS TO BE ARCHIVED > YP-17F-03

STAND BY.  SEARCH NOW IN PROGRESS.

    #1                    #3              #4   #5   #6   #7
    #2


                                    COPY PRO- APPLICABLE
    DOCUMENT NO.                     ON   PRIE
      REVISION       TITLE           FILE TARY ERBE HALOE

YP-17F-03          HALOE WEDGED WINDOW      Y    N         X
                   ALIGNMENT TEST PROCEDURE

    #8         #10        #12        #13        #14
    #9         #11

        REVIEW              APPROVAL
NAME             NAME     APPROVED  COMPARABLE
DATE             DATE     FOR USE     LARC
GSFC             LARC     AT LARC   SUBSTITUTE     REMARKS


IS THIS THE CORRECT DOCUMENT  (Y OR N) > Y

PROCESSING HAS BEEN ARCHIVED.
```

```
        0)  NO OUTPUT !!!
        1)  SCOUT  PROJECT OFFICE / LARC, NASA
        2)  VOUGHT CORPORATION    / DALLAS, TX
        3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

        0)  START OVER
        1)  LQP C - SINGLE    SHEET
        2)  LQP D - SINGLE    SHEET
        3)  LQP E - SINGLE    SHEET
        4)  LQP F - SINGLE    SHEET
        5)  ETI       SYSTEM  PRINTER / H

ENTER OPTION NUMBER > 5

ENTER NUMBER OF COPIES (MAX 5) > 1

OUTPUT SPOOLED TO PRINTER
```

A listing of the documents that have been archived is available for printer output after archiving has been completed. The user will then be returned to the program main menu.

10.0   ACEE CONFERENCE REGISTRATION FILE

The ACEE Conference Registration file contains conference registration information, attendee information, and registration fees and totals. Data is stored in this area in the following data fields.

ENTRY DATE	LAST NAME	FIRST NAME, M.I.
TITLE	COMPANY	STREET
CITY	STATE	ZIP CODE
AREA CODE	PHONE NUMBER	EXTENSION
ATTEND	FORMS RECEIVED: FEDD	FORMS RECEIVED: ALIEN
PREPAID FEE	BLAKE ISLAND	BOEING TOUR
7000 TOUR	SOCIAL	TUESDAY LUNCH
WEDNESDAY LUNCH		TOTAL RECEIVED

The ACEE Conference Registration file program main menu appears as follows:

```
CONFERENCE REGISTRATION PROGRAM MAIN MENU FOR ACEE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

1.  Input   Menu
2.  Update  Menu
3.  Delete  Menu
4.  Report  Menu
5.  Search  Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

Each of these options is discussed in detail in the following sections.

10.1   INPUT OPTION

        When the Input option is selected from the main menu, the ACEE Con-

ference Registration file Input menu is displayed as follows:

CONFERENCE FILE INPUT MENU FOR THE ACEE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
===================================

0.   Return to Master Menu
1.   Input to Conference Registration File
2.   Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

10.1.1   INPUT TO CONFERENCE FILE

        Option 1 allows the user to input records into the conference file

data base. An input screen is automatically generated for a new record to

be input until the user enters a carriage return at a blank input screen.

        The input screen appears as follows:

        ACEE CONFERENCE REGISTRATION INPUT / UPDATE SCREEN
        ==

ENTRY DATE   LAST NAME   FIRST NAME, M.I.
>..........<   >................<   >................<

            TITLE   COMPANY
>............................<   >.................................<

            STREET   CITY   STATE
>..................................<   >....................<   >..<

ZIP CODE   AREA CODE   PHONE NUMBER   EXTENSION   ATTEND
>......<   >...<   >........<   >........<   >.<

FORMS RECVD   PREPAID   EXTRA TICKETS   TOTAL
FEDD ALIEN   FEE   BLAKE BOEING 7000 SOCIAL LUNCHES   RECEIVED
                        ISLAND TOUR   TOUR   TUES WED
>.<   >.<   >........< >...< >...< >...< >...< >...< >...< >.........<

        After input has been completed, the following messages will appear

on the terminal screen:

'PLEASE NOTE ::::: NEW ITEMS IN DATA BASE !!!!
DATA FILE MUST BE SORTED IN ORDER TO SEARCH & RETRIEVE RECORDS.'

The user will then be returned to the program main menu.

10.1.2   SORTING AND HOUSEKEEPING ROUTINE

Option 2 performs the sorting and housekeeping for the conference file data base. The file is sorted by Last Name, and First Name. Records that have been marked for deletion by the delete routine may be internally purged by running the housekeeping option. An option is provided for performing both the sort and housekeeping operations. No input is required from the user. Several messages will be displayed indicating which tasks have been completed. The following examples illustrates all three options in this routine.

Example 1 - Option 1 - Sort File

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM PERFORMS FILE HOUSEKEEPING:

SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS

THIS IS A SLOW ROUTINE !!!

(0)   EXIT
(1)   SORT FILE
(2)   HOUSEKEEPING (PURGE) FILE
(3)   PERFORM BOTH SORT & PURGE ON FILE

ENTER OPTION > 1

PLEASE STAND BY .... SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!!!!

ALL DONE !!!

Example 2 - Option 2 - Housekeeping (Purge) File

ENTER OPTION > 2

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS ...

ALL DONE !!!

Example 3 - Option 3 - Both Sort and Purge

ENTER OPTION > 3

PLEASE STAND BY .... SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!

CLEAN UP OF DELETED REOCRDS NOW IN PROGRESS ...

ALL DONE !!!

After the desired option has been performed, the user will be returned
to the program main menu.

10.2   UPDATE OPTION

When the Update option is selected from the main menu, the ACEE Con-
ference Registration file Update menu appears as follows:

CONFERENCE REGISTRATION UPDATE MENU FOR THE ACEE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
=================================

0. Return to Master Menu
1. Update Conference File
2. Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

10.2.1   UPDATE CONFERENCE FILE

Option 1 allows the user to update records within the conference

file data base. In order to retrieve the desired record, the user must enter the appropriate Last Name. If the desired record is found it will be displayed in an update screen identical to the input screen illustrated in section 10.1.1 of this document. When multiple records are found having the same Last Name, only the first record found will be displayed in the input / update screen. To retrieve the subsequent records, type an '=' at the prompt 'Last-Name ?>'. If no records are retrieved, 'ITEM NOT FOUND' will be displayed at the terminal screen and the user must either enter another Last Name, or enter a carriage return in order to return to the Update menu. The following example illustrates this exit path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

LAST-NAME?> HARRIS

ITEM NOT FOUND

LAST-NAME?> ** return **

10.2.2   SORTING AND HOUSKEEPING ROUTINE

Option 2 performs the same sorting and housekeeping routine discussed in detail in section 10.1.2 of this document.

10.3   DELETE OPTION

When the Delete option is selected from the main menu, the ACEE Conference Registration file Delete menu appears as follows:

CONFERENCE REGISTRATION DELETE MENU FOR THE ACEE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
==

0.   Return to Master Menu
1.   Delete record in Conference File
2.   Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

10.3.1   DELETE RECORD FROM CONFERENCE FILE

Option 1 allows the user to delete records from the conference file data base. In order to retrieve the desired record, the user must enter the appropriate Last Name. If multiple records exist in the data base with the desired Last Name, the user must then enter the appropriate First Name. If multiple records exist having identical first and last names, selected fields from each record along with their assigned record numbers will be displayed and the user must then enter the record number of the record that is to be deleted. After entering the record number, or if the First Name entered was a unique one, all of the fields of the selected record will then be displayed and the user must indicate whether the record is the correct one for deletion. If the record is to be deleted, a message reminding the user that the Sort and Houskeeping routine must be run to internally purge the record will be displayed at the terminal screen. The user may then select another record for deletion, or type 'QUIT' to return to the program main menu. If the selected record is not to be deleted, the user may select another record or type 'QUIT' to return to the main menu. No other messages will be displayed. Refer to the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
THIS PROGRAM WILL DELETE SELECTED RECORD FROM DATA BASE

      TYPE   QUIT   TO RETURN TO MAIN MENU
ENTER LAST NAME > HARRIS

ENTER FIRST NAME M.I. > BRADLEY K.

SEARCH IN PROGRESS
PLEASE STAND BY ...

```
2 RECORDS WERE FOUND :: LAST NAME = HARRIS
              AND  FIRST NAME = BRADLEY K.

$RECNO   COMPANY                                CITY           STATE
   286   PRIME COMPUTER, INC.                   BOSTON         MA
   287   PRIME COMPUTER, INC.                   WILLIAMSBURG   VA

ENTER RECORD NUMBER TO BE DELETED > 287

 THE FOLLOWING HAS BEEN FOUND:

LAST NAME >HARRIS              FIRST NAME >BRADLEY K.

TITLE >FIELD ENGINEER              COMPANY >PRIME COMPUTER, INC.

STREET >1611 INDEPENDENCE BOULEVARD         CITY >WILLIAMSBURG

STATE >VA  ZIP CODE >23515  AREA CODE >804  PHONE NO. >918-4443  EXT. >4444

FEDD >N      ALIEN >Y      PREPAID FEE >  75.00

BLAKE ISLAND >  0      BOEING TOUR >  1      7000 TOUR >  0

SOCIAL >  0      LUNCHES:  TUES >  1  WED >  1

TOTAL RECEIVED >    75.00

 DELETE THIS RECORD (Y OR N) > Y

 PLEASE NOTE ::: RECORD DELETED ... MUST RUN HOUSEKEEPING TO PURGE RECORD

THIS PROGRAM WILL DELETE SELECTED RECORD FROM DATA BASE

        TYPE    QUIT   TO RETURN TO MAIN MENU

ENTER LAST NAME > QUIT
```

10.3.2   SORTING AND HOUSEKEEPING ROUTINE

Option 2 performs the same sorting and housekeeping routine discussed in detail in section 10.1.2 of this document.

10.4   REPORT OPTION

When the Report option is selected from the main menu, the ACEE Conference Registration file Report menu appears as follows:

CONFERENCE REGISTRATION REPORT MENU FOR THE ACEE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
==

0.   Return to the Master Menu
1.   Registration List Report
2.   Mailing or Conference List
3.   Financial Report with Totals
4.   Conference Sign-In Sheet
5.   Attendee Report - Short Format

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All options generate specially formatted reports of the conference file data base. The reports are for printer output only and will not be displayed at the terminal screen. After generating each report, the user will be returned to the Report menu.

Option 1 generates the Registration List report. The records may be sorted by various fields, which are listed within the report routine. If the user chooses to have the report sorted by name, subsequent options for excluding certain groups of records in the report will be provided. When the report is sorted by a field other than name these options are not included. Below are two examples illustrating the user options entered in generating this report. The first example illustrates building the report sorted by name. The second example illustrates building the report sorted by state. See Appendix G-1 for an example of the Registration List report output format.

Example 1 - Report Sorted by Name

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM PROVIDES A REPORT FOR THE ACEE CONFERENCE REGISTRATION
WITH THE FOLLOWING OPTIONS AVAILABLE:

```
(0) EXIT
(1) SORT BY NAME
(2) SORT BY COMPANY
(3) SORT BY STATE
(4) SORT BY PREPAID FEE
(5) SORT BY ENTRY DATE

ENTER OPTION > 1

ENTER OPTION FOR LISTING:   (0)   ENTIRE DATA BASE
                            (1)   BOEING COMPANY / SEATTLE ONLY
                            (2)   RECORDS OTHER THAN BOEING / SEATTLE


   ENTER OPTION > 2

ENTER OPTION FOR ATTENDEES:  (0)   ENTIRE DATA BASE
                             (1)   ATTENDEES ONLY
                             (2)   NON-ATTENDEES ONLY


     ENTER OPTION > 1

239 RECORDS FOUND AND SORTED.  OUTPUT BEING FORMATTED.

OUTPUT TO :

     0)  NO OUTPUT !!!
     1)  SCOUT  PROJECT OFFICE / LARC, NASA
     2)  VOUGHT CORPORATION    / DALLAS, TX
     3)  PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!

FILE BEING RE-SORTED IN ORIGINAL FORM.

ALL FINISHED !!! GOING BACK TO REPORT MENU !
```

Example 2 - Report Sorted by State


```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM PROVIDES A REPORT FOR THE ACEE CONFERENCE REGISTRATION FILE
WITH THE FOLLOWING OPTIONS AVAILABLE:

(0) EXIT
(1) SORT BY NAME
(2) SORT BY COMPANY
(3) SORT BY STATE
(4) SORT BY PREPAID FEE
(5) SORT BY ENTRY DATE
```

ENTER OPTION > 3

814 RECORDS FOUND AND SORTED. OUTPUT BEING FORMATTED.

OUTPUT TO :

    0) NO OUTPUT !!!
    1) SCOUT PROJECT OFFICE / LARC, NASA
    2) VOUGHT CORPORATION   / DALLAS, TX
    3) PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!

FILE BEING RE-SORTED IN ORIGINAL FORM.

ALL FINISHED !!! GOING BACK TO REPORT MENU !

        Option 2 generates the Mailing or Conference listing of the conference

file data base. Two formats are available: the Mailing format and the

Conference format. The Mailing format displays the business address of each

record with spacing so that the report may be used to generate mailing

labels. The Conference format includes the title and business phone number

in addition to the business address. See Appendix G-2 for an example of the

Mailing or Conference list report output format. Refer to the following

example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM PROVIDES A LISTING TO BE SPOOLED FOR PRINTER
OUTPUT OF ALL ACEE CONFERENCE ATTENDEES AND HAS
TWO FORMATS AVAILABLE (TYPE ZERO (0) TO QUIT):

(1) MAILING   FORMAT - INCLUDES NAME, COMPANY, AND COMPANY ADDRESS

(2) CONFERENCE FORMAT - INCLUDES THE ITEMS FROM MAILING FORMAT,
                        PLUS TITLE, BUSINESS AREA CODE, AND PHONE NO.

ENTER OPTION > 2

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

OUTPUT TO :

```
         0)  NO OUTPUT !!!
         1)  SCOUT  PROJECT OFFICE / LARC, NASA
         2)  VOUGHT CORPORATION   / DALLAS, TX
         3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!
```

Option 3 generates the Financial report of the conference file data base with two formats available: a standard report with grand totals on the fields that contain dollar values, or a report sorted by company with subtotals provided for each company as well as grand totals. See Appendix G-3 for an example of the Financial Report with Totals report output format. Refer to the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM GENERATES A REPORT OF THE ACEE CONFERENCE
REGISTRATION DATA BASE WITH FINANCIAL TOTALS.  IT IS TO
BE SPOOLED FOR PRINTER OUTPUT, AND HAS TWO FORMATS:

(0) EXIT / QUIT
(1) FINANCIAL REPORT WITH GRAND TOTALS ONLY
(2) FINANCIAL REPORT SORTED BY COMPANY, WITH
    SUBTOTALS FOR EACH COMPANY AND GRANDTOTALS

ENTER OPTION > 2

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

OUTPUT TO :

         0)  NO OUTPUT !!!
         1)  SCOUT  PROJECT OFFICE / LARC, NASA
         2)  VOUGHT CORPORATION   / DALLAS, TX
         3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!
```

Option 4 generates a report of the conference file data base which is used for a sign-in sheet. The report is best suited for printing on a letter

quality printer which uses 8.5 x 11 paper. See Appendix G-4 for an example

of the Conference Sign-In Sheet report output format. Refer to the follow-

ing example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS PROGRAM PROVIDES A SPECIALLY FORMATTED SIGN IN
SHEET FOR THE ACEE PROJECT CONFERENCE AND IS TO BE
SPOOLED TO A LETTER QUALITY PRINTER (LQP).  PRINTER B
IS THE SCOUT PROJECT OFFICE LQP BEST SUITED FOR THIS REPORT.

THE FOLLOWING OPTIONS ARE AVAILABLE: (0)   QUIT
                                     (1)   ONLY BOEING / SEATTLE
                                     (2)   RECORDS OTHER THAN BOEING / SEATTLE
                                     (3)   PREPAID ATTENDEES ONLY

ENTER OPTION > 3

OUTPUT TO :

    0)  NO OUTPUT !!!
    1)  SCOUT  PROJECT OFFICE / LARC, NASA
    2)  VOUGHT CORPORATION    / DALLAS, TX
    3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!
```

Option 5 generates a brief report of the conference file data base

which displays Name and Company only for each record. Several options are

provided for excluding certain groups of records. See Appendix G-5 for an

example of the Attendee brief report output format. Refer to the following

example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS PROGRAM PROVIDES A REPORT OF THE ACEE CONFERENCE ATTENDEES
AND DISPLAYS NAME AND COMPANY ONLY.

PLEASE ENTER THE APPROPRIATE NUMBER:
```

```
(0)   QUIT
(1)   ENTIRE DATA BASE
(2)   BOEING COMPANY / SEATTLE ONLY
(3)   RECORDS OTHER THAN BOEING / SEATTLE
```

ENTER OPTION > 2

PLEASE STAND BY .... MAKING RECORD SELECTIONS.

PLEASE MAKE ATTENDEE SELECTION:

```
(0)   ENTIRE DATA BASE
(1)   ATTENDEES ONLY
(2)   NON-ATTENDEES ONLY
```

ENTER OPTION > 2

PLEASE STAND BY ..... 142 RECORDS FOUND.

OUTPUT NOW BEING FORMATTED.

```
OUTPUT TO :
    0)   NO OUTPUT !!!
    1)   SCOUT  PROJECT OFFICE / LARC, NASA
    2)   VOUGHT CORPORATION    / DALLAS, TX
    3)   PROJECTS  DIRECTORATE / LARC, NASA
```

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!

10.5   SEARCH OPTION

When the Search option is selected from the main menu, the ACEE

Conference Registration file Search menu appears as follows:

CONFERENCE REGISTRATION SEARCH MENU FOR THE ACEE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

```
0.  Return to the Master Menu
1.  Title Search
2.  Company Search
3.  Last Name Search
4.  State Search
5.  Prepaid Fee Search
6.  Entry Date Search
7.  Lunches Search
8.  Forms Received Search
```

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All searches retrieve records that meet certain criteria and display them at the terminal screen with the option to spool the report for printer output. When the search has been completed the user will be returned to the Search menu. The reports that appear in this section have been modified for the purpose of illustration in this document. When run from the search routines the reports appear much wider at the terminal screen and when spooled to the printer. See Appendix G-6 for an example of the ACEE Conference file standard search report output format.

Option 1 performs the Title search which is a partial search. Entering the string 'SYS' would retrieve records containing titles such as 'SYSTEM ANALYST' and 'SOFTWARE SYSTEMS ENGINEER'. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS SEARCH ROUTINE PERFORMS THE TITLE QUERY / RETRIEVAL

ENTER TITLE TO BE SEARCHED ON > PROG

PLEASE STAND BY .... SEARCH NOW IN PROGRESS

TITLE SEARCH FOR PROG   FOUND   9 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

REGISTRATION ATTENDEE LIST
===========================

ENTRY DATE	NAME COMPANY	FORMS RECEIVED
		FEDD ALIEN
----------	--------------------------------------	----------
7/31/1984	ANDERSON , ROBERT L. HERCULES INCORPORATED	Y N

PREPAID REG. FEE	EXTRA TICKETS						TOTAL RECEIVED
	BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	
--------	-------	-------	-------	-------	-------	-------	---------
70.00	0	0	0	0	0	0	70.00

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

Option 2 performs the Company search which is also a partial search and operates similar to the Title search. Two options are available for the report: a standard report or a report sorted by company with financial subtotals and grand totals. The financial report is illustrated in the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS SEARCH ROUTINE PERFORMS THE COMPANY QUERY / RETRIEVAL

ENTER COMPANY TO BE SEARCHED ON > LOCK

PLEASE STAND BY ... SEARCH NOW IN PROGRESS

COMPANY SEARCH FOR LOCK   FOUND   31 RECORDS

ENTER OPTION FOR TERMINAL OUTPUT FORMAT:

(1) STANDARD REPORT
(2) FINANCIAL REPORT WITH TOTALS

ENTER OPTION > 2

`** PLEASE STAND BY ... OUTPUT BEING FORMATTED. **`

REGISTRATION ATTENDEE LIST
`============================`

		FORMS RECEIVED	
ENTRY DATE	NAME COMPANY		
		FEDD	ALIEN
---------	------------------------------------	----------
8/2/1984	BARRE , K.M. LOCKHEED	Y	N

	EXTRA TICKETS						TOTAL RECEIVED
PREPAID REG. FEE	BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	
-------	---	--------
	0	0	0	0	0	0	

		FORMS RECEIVED	
ENTRY DATE	NAME COMPANY		
		FEDD	ALIEN
---------	------------------------------------	----------
8/2/1984	EDWARDS , J.J. LOCKHEED	Y	N

	EXTRA TICKETS						TOTAL RECEIVED
PREPAID REG. FEE	BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	
-------	---	--------
	0	0	0	0	0	0	
-------	---	---	---	---	---	---	----------
0.00	0	0	0	0	0	0	0.00

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

SORTING DATA BASE BACK TO ORIGINAL FORM.

ALL DONE !!! GOING BACK TO SEARCH MENU.

Option 3 performs the Last Name search which is also a partial search and operates similar to the Title search. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS SEARCH ROUTINE PERFORMS THE LAST NAME QUERY / RETRIEVAL

ENTER LAST NAME TO BE SEARCHED ON > SMI

PLEASE STAND BY .... SEARCH NOW IN PROGRESS

LAST NAME SEARCH FOR SMI   FOUND   9 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

1/15/85   PAGE   1

REGISTRATION ATTENDEE LIST
========================:====

ENTRY DATE	NAME COMPANY	FORMS RECEIVED ---------- FEDD ALIEN
----------	---	-----------
6/19/1984	SMITH , NORBERT F. MCDONNELL DOUGLAS CORPERATION	Y N

| PREPAID
REG.
FEE | EXTRA TICKETS
-- | | | | | | TOTAL
RECEIVED |
	BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	
-------							-----------
70.00	22	1	0	0	0	0	92.00

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

Option 4 performs the State search which is also a partial search and operates similarly to the Title search. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS SEARCH ROUTINE PERFORMS THE STATE QUERY / RETRIEVAL

ENTER STATE TO BE SEARCHED ON > MD

PLEASE STAND BY ... SEARCH NOW IN PROGRESS

STATE SEARCH FOR MD   FOUND   6 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

1/15/85   PAGE   1

REGISTRATION ATTENDEE LIST
===========================

| ENTRY DATE | NAME | FORMS RECEIVED |
	COMPANY	FEDD ALIEN
8/ 2/1984	BIRDWELL , T. M. JR.	Y N

| PREPAID REG. FEE | EXTRA TICKETS | | | | | | TOTAL RECEIVED |
	BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	
	0	0	0	0	0	0	

MORE ? NO

OUTPUT TO PRINTER (Y OR N) > N

        Option 5 performs   the Prepaid Fee   search. The user   may search for

those who   have prepaid   or for those who have not. Specific   dollar   values

are not used for record retrieval. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS SEARCH ROUTINE PERFORMS THE PREPAID FEE QUERY / RETRIEVAL

TYPE ZERO (0) TO EXIT
TYPE ONE (1) FOR LISTING OF THOSE WHO HAVE NOT PREPAID
TYPE TWO (2) FOR LISTING OF THOSE WHO HAVE   PREPAID

ENTER OPTION > 2

SEARCH FOR PREPIAD FEE GREATER THAN ZERO FOUND   97 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

REGISTRATION ATTENDEE LIST
============================

ENTRY DATE	NAME COMPANY	FORMS RECEIVED
		FEDD ALIEN
8/ 1/1984	AGEE , LOU NASA LANGLEY RESEARCH CENTER	Y N

PREPAID REG. FEE	EXTRA TICKETS						TOTAL RECEIVED
	BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	
15.00	22	0	0	0	0	0	37.00

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

Option 6 performs the Entry Date search. The user may search for records within a range of dates or on a specific date. A low range value is first entered, and then a high range value is input. For searching a specific date the user must make the high range value the same as the date entered for the low range value. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 6

THIS PROGRAM PERFORMS THE ENTRY DATE SEARCH FOR THE ACEE
PROJECT CONFERENCE REGISTRATION DATA BASE

ENTER RANGE OF DATES FOR SEARCH - FIRST DATE ENTERED IS LOW VALUE IN RANGE

ENTER FIRST ENTRY DATE > 8/1/84

ENTER LAST ENTRY DATE > 8/12/84

SEARCH FOR ENTRY DATES BETWEEN 8/ 1/84 & 8/12/84   FOUND 26 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

REGISTRATION ATTENDEE LIST
==========================

ENTRY DATE	NAME COMPANY	FORMS RECEIVED ---------- FEDD ALIEN
8/ 1/1984	AGEE , LOU NASA LANGLEY RESEARCH CENTER	Y N

PREPAID REG. FEE	EXTRA TICKETS --- BLAKE BOEING 7000 ISLAND TOUR TOUR SOCIAL TUES WED				LUNCHEONS		TOTAL RECEIVED ----------
15.00	22	0	0	0	0	0	37.00

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

     Option 7 performs the Lunches search. The user may search on the Tuesday lunch or on the Wednesday lunch. Records containing zero values for those fields will not be retrieved. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 7

THIS SEARCH ROUTINE PERFORMS THE LUNCH QUERY / RETRIEVAL

TYPE ZERO (0) TO EXIT
TYPE ONE (1) FOR SEARCH ON LUNCH FOR TUESDAY
TYPE TWO (2) FOR SEARCH ON LUNCH FOR WEDNESDAY

ENTER OPTION > 2

SEARCH FOR WEDNESDAY LUNCH FOUND 1 RECORDS.

PLEASE STAND BY ... TERMINAL OUTPUT NOW BEING GENERATED.

REGISTRATION ATTENDEE LIST
===========================

ENTRY DATE	NAME COMPANY	FORMS RECEIVED ---------- FEDD ALIEN
8/ 1/1984	AGEE , LOU NASA LANGLEY RESEARCH CENTER	Y N

PREPAID REG. FEE	EXTRA TICKETS						TOTAL RECEIVED
	BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	
15.00	22	0	0	0	0	1	37.00

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

      Option 8 performs the Forms Received search. The user may search on the Fedd form or on the Alien form. A further option is provided for the user to search either on those who have submitted the desired form or on those who have not submitted the desired form. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 8

THIS SEARCH ROUTINE PERFORMS THE FORMS RECEIVED QUERY / RETRIEVAL

TYPE ZERO (0) TO EXIT
TYPE ONE (1) FOR SEARCH ON FEDD FORM
TYPE TWO (2) FOR SEARCH ON ALIEN FORM

ENTER OPTION > 1

PLEASE ENTER A Y FOR A SEARCH ON THOSE WHO HAVE SUBMITTED THE DESIRED FORM
OR AN N FOR A SEARCH ON THOSE WHO HAVE NOT SUBMITTED THE DESIRED FORM.

ENTER OPTION > N

SEARCH FOR FEDD FORM HAVING VALUE OF N FOUND   50 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

REGISTRATION ATTENDEE LIST
============================

```
                                              FORMS
                                              RECEIVED
                                              ----------
ENTRY DATE  NAME
            COMPANY                           FEDD ALIEN
----------  ------------------------------    ----------

7/12/1984   ANDREWS            , STANLEY T.      N     Y
            BOEING COMMERCIAL AIRPLANE COMPANY


            EXTRA TICKETS
PREPAID     ---------------------------------           TOTAL
   REG.  BLAKE   BOEING 7000              LUNCHEONS    RECEIVED
   FEE   ISLAND  TOUR   TOUR   SOCIAL  TUES   WED
-------  -------------------------------------------   --------

          0       0      0       0      0      0
```

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

11.0   LSAST CONFERENCE REGISTRATION FILE

The LSAST Conference Registration file contains conference registration information, attendee information, and registration fees and totals. Capability is provided to generate mailing labels and badge identification labels. Data is stored in the following data fields.

INPUT DATE	LAST NAME	FIRST NAME, M.I.
ENTRY DATE	TITLE	COMPANY
NUMBER AND STREET	CITY	STATE
BUILDING OR MISCELLANEOUS	ZIP CODE	AREA CODE
PHONE NUMBER	EXTENSION	CITIZENSHIP
SPEAKER	REGISTRATION FEE	SOCIAL
DINNER	DINNER FEE	TOTAL RECEIVED
	ATTEND	

The LSAST Conference Registration file program main menu appears as follows:

```
PROGRAM MAIN MENU FOR THE LSAST-1984 CONFERENCE REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
=================================

1.  Input   Menu
2.  Update  Menu
3.  Delete  Menu
4.  Report  Menu
5.  Search  Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

Each of these options is discussed in detail in the following sections.

11.1   INPUT OPTION

When the Input option Is selected from the main menu, the LSAST Conference Registration file Input menu Is displayed as follows:

INPUT MENU FOR THE LSAST-1984 CONFERENCE REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
===

0.   Return to Master Menu
1.   Input to Conference Registration File
2.   Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

11.1.1   INPUT TO CONFERENCE REGISTRATION FILE

Option 1 allows the user to input records into the conference file data base area. An input screen Is automatically generated for a new record to be input until the user enters a carriage return at a blank input screen. The input screen appears as follows:

```
          LSAST-1984 CONFERENCE INPUT / UPDATE SCREEN
          =============================================

INPUT DATE          LAST NAME               FIRST NAME, M.I.        ENTRY DATE
>..........<        >...................<   >...................<   >..........<

TITLE                                   COMPANY
>..............................<        >..........................................<

NUMBER AND STREET                          CITY                     STATE
>..................................<       >............        <   >........<

BUILDING OR MISCELLANEOUS                       ZIP CODE
>..................................<  >...............<

AREA CODE     PHONE NUMBER   EXTENSION       CITIZENSHIP              SPEAKER
>...<         >........<     >........<      >...............<        >.<

REGISTRATION FEE      SOCIAL    DINNER   DINNER FEE   TOTAL RECEIVED  ATTEND
>.......<             >...<     >..<     >.......<    >..........<    >.<
```

After input has been completed, the following messages will appear on the terminal screen:

'PLEASE NOTE :::: NEW ITEMS IN DATA BASE !!!!
 DATA FILE MUST BE SORTED IN ORDER TO SEARCH & RETRIEVE RECORDS.'

The user will then be returned to the input menu.

11.1.2   SORTING AND HOUSEKEEPING ROUTINE

Option 2 performs the sorting and housekeeping for the conference file data base. The file is sorted by Last Name and First Name. Records that have been marked for deletion by the delete routine may be internally purged by running the housekeeping option. An option is provided for performing both the sort and housekeeping operations. No input is required from the user. Several messages will be displayed indicating which tasks have been completed. The following examples illustrate all three options in this routine.

Example 1 - Option 1 - Sort File

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM PERFORMS FILE HOUSEKEEPING:
SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS

          THIS IS A SLOW ROUTINE !

(0)   EXIT
(1)   SORT FILE
(2)   HOUSEKEEPING (PURGE) FILE
(3)   PERFORM BOTH SORT & PURGE ON FILE

ENTER OPTION > 1

PLEASE STAND BY ... SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!!!!!!!!!!!!!!

ALL DONE !!!!

Example 2 - Option 2 - Housekeeping (Purge) File

ENTER OPTION > 2

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS ...

ALL DONE !!!

Example 3 - Option 3 - Perform Both Sort and Purge

ENTER OPTION > 3

PLEASE STAND BY ... SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!!!!!!!!!!!!!!

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS ...

ALL DONE !!!!

After the desired option has been performed, the user will be returned
to the program main menu.

11.2   UPDATE OPTION

When the Update option is selected from the main menu, the LSAST Con-
ference Registration file Update menu appears as follows:

UPDATE MENU FOR THE LSAST-1984 CONFERENCE REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
=================================
0.   Return to Master Menu
1.   Update Conference File
2.   Sorting & Housekeeping Routine

SELECT OPION BY ENTERING NUMBER (RETURN TO QUIT) >

11.2.1   UPDATE CONFERENCE FILE

Option 1 allows the user to update records within the conference

- page 167 -

file data base. In order to retrieve the desired record, the user must enter the appropriate Last Name. If the desired record is found, it will be displayed in an update screen identical to the input screen illustrated in section 11.1.1 of this document. When multiple records are found having the same Last Name, only the first record found will be displayed in the input / update screen. To retrieve the subsequent records, type an '=' at the prompt 'LAST-NAME?>'. If no records are retrieved, 'ITEM NOT FOUND' will be displayed at the terminal screen and the user must either enter another Last Name or enter a carriage return in order to return to the Update menu. The following example illustrates this exit path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

LAST-NAME?> RUBINS

ITEM NOT FOUND

LAST-NAME?> ** return **

11.2.2   SORTING AND HOUSEKEEPING ROUTINE

Option 2 performs the same sorting and housekeeping routine discussed in detail in section 11.1.2 of this document.

11.3   DELETE OPTION

When the Delete option is selected from the main menu, the LSAST Conference Registration file Delete menu appears as follows:

DELETE MENU FOR THE LSAST-1984 CONFERENCE REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

0. Return to Master Menu
1. Delete record in Conference File

2. Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

11.3.1 DELETE RECORD FROM CONFERENCE FILE

Option 1 allows the user to delete records from the conference file data base. To retrieve the desired record, the user must enter the appropriate Last Name. If multiple records exist in the data base with the desired Last Name, the user must then enter the appropriate First Name. If multiple records exist having identical First and Last Names, selected fields from each record along with their assigned record numbers will be displayed and the user must then enter the record number of the record that is to be deleted. After entering the record number, or if the First Name entered was a unique one, all of the fields of the selected record will then be displayed and the user must indicate whether the record is the correct one for deletion. If the record is to be deleted, a message reminding the user that the sort and housekeeping routine must be run to internally purge the record will be displayed at the terminal screen. The user may then select another record for deletion, or type 'QUIT' to return to the program main menu. If the selected record is not to be deleted, the user may select another record for deletion or type 'QUIT' to return to the main menu. No other messages will be displayed. Refer to the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM WILL DELETED SELECTED RECORD FROM DATA BASE
          TYPE   QUIT   TO RETURN TO DELETE MENU

ENTER LAST NAME > HARRIS

ENTER FIRST NAME M.I. > REBEKAH L.

SEARCH IN PROGRESS
PLEASE STAND BY ...

```
2 RECORDS WERE FOUND :: LAST NAME = HARRIS
AND FIRST NAME = REBEKAH L.

$RECNO    COMPANY                                    CITY          STATE
   141    PRIME COMPUTER, INC.                       NATICK        MA
   142    IBM                                        RESTON        VA

ENTER RECORD NUMBER TO BE DELETED > 142

 THE FOLLOWING HAS BEEN FOUND:

LAST NAME >HARRIS                     FIRST NAME >REBEKAH L.

CITIZENSHIP >USA

TITLE >MARKETING ANALYST - PRE-SALE     COMPANY > IBM

STREET >3535 DIGITAL STREET                  CITY >RESTON          STATE >VA

BUILDING OR MISC. >BUILDING 909, FLOOR 2

ZIP CODE >23678               AREA CODE >703    PHONE NUMBER >533-7272

EXTENSION >7273          REGISTRATION FEE > 100.00    ATTEND >Y

DINNER TICKETS >1       DINNER FEE >  25.00    SPEAKER >N    SOCIAL >1

TOTAL RECEIVED >    125.00     ENTRY DATE >12/17/1984      INPUT DATE > 1/23/1985

 DELETE THIS RECORD (Y OR N) > Y

 PLEASE NOTE ::: RECORD DELETED ... MUST RUN HOUSEKEEPING TO PURGE RECORD

 THIS PROGRAM WILL DELETE SELECTED RECORD FROM DATA BASE
         TYPE    QUIT   TO RETURN TO DELETE MENU

ENTER LAST NAME > QUIT
```

11.3.2   SORTING AND HOUSEKEEPING ROUTINE

Option 2 performs the same sorting and housekeeping routine dis-
cussed in detail in section 11.1.2 of this document.

11.4   REPORT OPTION

When the Report option is selected from the main menu, the LSAST Con-
ference Registration file Report menu appears as follows:

REPORT MENU FOR THE LSAST-1984 CONFERENCE REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

0. Return to the Master Menu
1. Registration List Report
2. Mailing or Conference List
3. Conference Sign-In Sheet
4. Financial Report
5. Badge Sticker Report

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All options generate specially formatted reports of the conference file data base. The reports are for printer output only and will not be displayed at the terminal screen. After generating each report, the user will be returned to the Report menu.

Option 1 generates the Registration List report. Records may be sorted by various fields, which are listed within the routine. If the user chooses to have the report sorted by name, subsequent options for excluding certain groups of records in the report will be provided. When the report is sorted by a field other than Name, these options are not included. Below are two examples illustrating the user options entered in generating this report. The first example illustrates building the report sorted by name. The second example illustrates building the report sorted by company. See Appendix H-1 for an example of the Registration List report output format.

Example 1 - Report Sorted By Name

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM PROVIDES A REPORT FOR THE LSAST-1984 CONFERENCE REGISTRATION
WITH THE FOLLOWING OPTIONS AVAILABLE:

```
(0) EXIT
(1) SORT BY NAME
(2) SORT BY COMPANY
(3) SORT BY STATE
(4) SORT BY REGISTRATION FEE
(5) SORT BY ENTRY DATE
(6) SORT BY TITLE

ENTER OPTION > 1

ENTER OPTION FOR LISTING:    (0)   ENTIRE DATA BASE
                             (1)   LANGLEY PERSONNEL ONLY
                             (2)   RECORDS OTHER THAN LANGLEY PERSONNEL

                                   ENTER OPTION > 1

126 RECORDS FOUND AND SORTED.    OUTPUT BEING FORMATTED.

  OUTPUT TO :
      0)  NO OUTPUT !!!
      1)  SCOUT  PROJECT OFFICE / LARC, NASA
      2)  VOUGHT CORPORATION    / DALLAS, TX
      3)  PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

  OUTPUT TO :
      0)  START OVER
      1)  LQP C - SINGLE   SHEET
      2)  LQP D - SINGLE   SHEET
      3)  LQP E - SINGLE   SHEET
      4)  LQP F - SINGLE   SHEET
      5)  ETI      SYSTEM  PRINTER / H

ENTER OPTION NUMBER > 5

ENTER NUMBER OF COPIES > 1

      (MAX.  OF  5)
      (0  TO  ABORT)

FILE BEING RE-SORTED IN ORIGIANL FORM.
ALL FINISHED !!! GOING BACK TO REPORT MENU !
```

Example 2 - Report Sorted By Company

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM PROVIDES A REPORT FOR THE LSAST-1984 CONFERENCE REGISTRATION
WITH THE FOLLOWING OPTIONS AVAILABLE:

```
(0) EXIT
(1) SORT BY NAME
(2) SORT BY COMPANY
(3) SORT BY STATE
(4) SORT BY REGISTRATION FEE
(5) SORT BY ENTRY DATE
(6) SORT BY TITLE

ENTER OPTION > 2

405  RECORDS FOUND AND SORTED.  OUTPUT BEING FORMATTED.

OUTPUT TO :
     0)  NO OUTPUT !!!
     1)  SCOUT  PROJECT OFFICE / LARC, NASA
     2)  VOUGHT CORPORATION    / DALLAS, TX
     3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

OUTPUT TO :
     0)  START OVER
     1)  LQP C - SINGLE   SHEET
     2)  LQP D - SINGLE   SHEET
     3)  LQP E - SINGLE   SHEET
     4)  LQP F - SINGLE   SHEET
     5)  ETI      SYSTEM  PRINTER / H

ENTER OPTION NUMBER > 5

ENTER NUMBER OF COPIES > 1

     (MAX.  OF  5)
     (0  TO  ABORT)

FILE BEING RE-SORTED IN ORIGINAL FORM.
ALL FINISHED !!! GOING BACK TO REPORT MENU !
```

     Option 2 generates the Mailing or Conference Listing of the conference file data base. Two formats are available: the Mailing format and the Conference format. The Mailing format displays the business address of each record with spacing so that the report may be used to generate mailing labels. The Conference format includes the title and business phone number in addition to the business address. A test group may be spooled which contains only ten (10) records. This will enable the user to properly align the labels to be used before the entire group must be spooled. See Appendix

H-2 for an example of the output format for this report. Refer to the fol-

lowing example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM PROVIDES A LISTING TO BE SPOOLED FOR PRINTER
OUTPUT OF ALL LSAST-1984 CONFERENCE ATTENDEES AND HAS
TWO FORMATS AVAILABLE   (TYPE ZERO (0) TO QUIT):

(1) MAILING   FORMAT - INCLUDES NAME, COMPANY, AND COMPANY ADDRESS
                        FOR LABELS, SPOOL TO SCOUT LQP A

(2) CONFERENCE FORMAT - INCLUDES THE ITEMS FROM MAILING FORMAT,
                        PLUS TITLE, BUSINESS AREA CODE, AND PHONE NO.

ENTER OPTION > 2

ENTER NUMBER TO SELECT OPTION: (0) ENTIRE FILE
                                 (1) ATTENDEES ONLY
                                 (2) NON-ATTENDEES
                                 (3) TEST GROUP (10)

ENTER OPTION > 2

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

OUTPUT TO :
     0) NO OUTPUT !!!
     1) SCOUT PROJECT OFFICE / LARC, NASA
     2) VOUGHT CORPORATION   / DALLAS, TX
     3) PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

OUTPUT TO :
     0) START OVER
     1) LQP C - SINGLE   SHEET
     2) LQP D - SINGLE   SHEET
     3) LQP E - SINGLE   SHEET
     4) LQP F - SINGLE   SHEET
     5) ETI   SYSTEM PRINTER / H

ENTER OPTION NUMBER > 5

ENTER NUMBER OF COPIES > 1

     (MAX. OF 5)
     (0 TO ABORT)

        Option 3 generates a special sign-in sheet for the conference file

data base. The report is designed for 8.5 x 11 paper and should be spooled

to a printer using that size paper. An option for excluding certain groups

of records is included as well as an option for a conference date to be

printed at the head of the sign-in sheet. See Appendix H-3 for an example of

the sign-in sheet report output format. See the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM PROVIDES A SPECIALLY FORMATTED SIGN IN SHEET FOR
THE LSAST-1984 CONFERENCE AND IS TO BE SPOOLED TO A LETTER
QUALITY PRINTER (LQP).  PRINTERS E, F, I, AND P ARE THE
LQP PRINTERS BEST SUITED FOR THIS REPORT.

THE FOLLOWING OPTIONS ARE AVAILABLE:

(0)  QUIT              (2)  LANGLEY PERSONNEL ONLY
(1)  ENTIRE FILE       (3)  RECORDS OTHER THAN LANGLEY PERSONNEL

ENTER OPTION > 3

PLEASE ENTER THE NUMBER FOR THE DESIRED DATE TO BE PRINTED
AT TOP OF REPORT:   (4) DECEMBER 4, 1984
                    (5) DECEMBER 5, 1984
                    (6) DECEMBER 6, 1984

ENTER NUMBER > 6

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

OUTPUT TO :
        0)   NO OUTPUT !!!
        1)   SCOUT  PROJECT OFFICE / LARC, NASA
        2)   VOUGHT CORPORATION    / DALLAS, TX
        3)   PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

OUTPUT TO :
        0)   START OVER
        1)   LQP C - SINGLE   SHEET
        2)   LQP D - SINGLE   SHEET
        3)   LQP E - SINGLE   SHEET
        4)   LQP F - SINGLE   SHEET
        5)   ETI        SYSTEM PRINTER / H

ENTER OPTION NUMBER > 1

ENTER NUMBER OF COPIES > 1
```

(MAX. OF 5)
(0 TO ABORT)

      Option 4 generates a financial report for the conference file data base with two formats available: a standard report with grand totals on the fields that contain numerical values, or a report sorted by company with subtotals provided for each company as well as grand totals. See Appendix H-4 for an example of the financial report output format. Refer to the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS PROGRAM GENERATES A REPORT OF THE LSAST-1984 CONFERENCE
REGISTRATION DATA BASE WITH FINANCIAL TOTALS.  IT IS TO
BE SPOOLED FOR PRINTER OUTPUT, AND HAS TWO FORMATS:

(0) EXIT / QUIT
(1) FINANCIAL REPORT WITH GRAND TOTALS ONLY
(2) FINANCIAL REPORT SORTED BY COMPANY, WITH
    SUBTOTALS FOR EACH COMPANY AND GRANDTOTALS

ENTER OPTION > 2

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

OUTPUT TO :
    0)  NO OUTPUT !!!
    1)  SCOUT  PROJECT OFFICE / LARC, NASA
    2)  VOUGHT CORPORATION   / DALLAS, TX
    3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

OUTPUT TO :
    0)  START OVER
    1)  LQP C - SINGLE    SHEET
    2)  LQP D - SINGLE    SHEET
    3)  LQP E - SINGLE    SHEET
    4)  LQP F - SINGLE    SHEET
    5)  ETI      SYSTEM  PRINTER / H

ENTER OPTION NUMBER > 5

ENTER NUMBER OF COPIES > 1

    (MAX. OF  5)
```

(0 TO ABORT)

Option 5 generates the Badge Sticker report in which only the Name and Company will be printed for the use of badge identification. A test group may be spooled containing only ten (10) records in order for the user to properly align the label paper being used before an entire group of records is spooled. An option for a single badge to be printed is also included. The user must enter the Last Name and First Name to retrieve the appropriate record. The following examples illustrate these options. See Appendix H-5 for an example of the Badge Sticker report output format.

Example 1 - Test Group

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS PROGRAM GENERATES A REPORT TO PRINT
NAMES AND COMPANIES ONLY FOR BADGE STICKERS.
THE OUTPUT MUST BE SPOOLED TO LQP A IN THE
SCOUT PROJECT OFFICE.

PLEASE ENTER A ZERO (0) TO QUIT, ONE (1) TO CONTINUE
      ENTER OPTION > 1

ENTER OPTION FOR REPORT: (1) ENTIRE FILE
                          (2) TEST GROUP (10)
                          (3) ONE BADGE

              ENTER OPTION > 2

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

OUTPUT TO :
      0) NO OUTPUT !!!
      1) SCOUT PROJECT OFFICE / LARC, NASA
      2) VOUGHT CORPORATION   / DALLAS, TX
      3) PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

OUTPUT TO :
      0) START OVER
      1) LQP C - SINGLE   SHEET
      2) LQP D - SINGLE   SHEET
      3) LQP E - SINGLE   SHEET

```
            4)   LQP F - SINGLE    SHEET
            5)   ETI      SYSTEM  PRINTER / H

ENTER OPTION NUMBER > 2

ENTER NUMBER OF COPIES > 1

       (MAX. OF  5)
       (0  TO  ABORT)


Example 2 - Single Badge


SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS PROGRAM GENERATES A REPORT TO PRINT
NAMES AND COMPANIES ONLY FOR BADGE STICKERS.
THE OUTPUT MUST BE SPOOLED TO LQP A IN THE
SCOUT PROJECT OFFICE.

PLEASE ENTER A ZERO (0) TO QUIT,  ONE (1) TO CONTINUE
       ENTER OPTION > 1

ENTER OPTION FOR REPORT:  (1) ENTIRE FILE
                          (2) TEST GROUP (10)
                          (3) ONE BADGE

ENTER OPTION > 3

ENTER LAST NAME FOR BADGE > HARRIS

ENTER FIRST NAME, M.I. FOR BADGE > JACK E.

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

OUTPUT TO :
       0)   NO OUTPUT !!!
       1)   SCOUT  PROJECT OFFICE / LARC, NASA
       2)   VOUGHT CORPORATION    / DALLAS, TX
       3)   PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 3

OUTPUT TO :
       0)   START OVER
       1)   LQP C - SINGLE    SHEET
       2)   LQP D - SINGLE    SHEET
       3)   LQP E - SINGLE    SHEET
       4)   LQP F - SINGLE    SHEET
       5)   ETI      SYSTEM  PRINTER / H

ENTER OPTION NUMBER > 1
```

ENTER NUMBER OF COPIES > 1

    (MAX. OF 5)
    (0 TO ABORT)

11.5   SEARCH OPTION

When the Search option is selected from the main menu, the LSAST Conference Registration file Search menu appears as follows:

SEARCH MENU FOR THE LSAST-1984 CONFERENCE REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

  0. Return to the Master Menu
  1. Title Search
  2. Company Search
  3. Last Name Search
  4. State Search
  5. Registration Fee Search
  6. Dinner Fee Search
  7. Entry Date Search
  8. Input Date Search
  9. Speaker Search
10. Citizenship Search
11. Dinner Attendee Search

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All searches retrieve records that meet certain criteria and display them at the terminal screen with the option to spool the report for printer output. When the search has been completed, the user will be returned to the Search menu.

Options 1, 2, 3, 4, and 10, the Title, Company, Last Name, State, and Citizenship searches all are partial searches and operate similarly. For example, when performing a Company search, a search on the string 'NG' would retrieve those records with a Company of 'BOEING' and 'HANGAR DIVISION'. The following example illustrates the Company search, option 2.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS SEARCH ROUTINE PERFORMS THE COMPANY QUERY / RETRIEVAL

ENTER COMPANY TO BE SEARCHED ON > BOEI

PLEASE STAND BY ... SEARCH NOW IN PROGRESS

COMPANY SEARCH FOR BOEI   FOUND   6 RECORDS

1/22/85   PAGE   1

LSAST-1984 CONFERENCE REGISTRATION REPORT
===

NAME	TITLE	
COMPANY	CITIZENSHIP	
STREET	CITY	STATE
BUILDING OR MISCELLANEOUS	ZIP CODE	SPEAKER
AREA CODE PHONE NUMBER EXTENSION ENTRY DATE	REG. FEE DINNER FEE	TOTAL

GATES   , RICHARD M.
BOEING AEROSPACE COMPANY
P.O. BOX 3999   SEATTLE   WA
MAIL STOP 8C-58   98124-2499   Y
206   773-5197   11/13/1984   20.00   14.00   34.00

LAMBERTY   , BERNARD J.
BOEING AEROSPACE COMPANY
P.O. BOX 3999   SEATTLE   WA
MAIL STOP 8M/13   98124   N
206   773-1969   11/19/1984   20.00   14.00   34.00

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

        Searches 5, 6, and 9, the Registration Fee, Dinner Fee and Speaker

searches operate similarly. The user may search on those who have or have

not paid the Registration fee or Dinner fee, or on those who are or are not

listed as speakers. The following example illustrates the Registration Fee

search, option 5.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS SEARCH ROUTINE PERFORMS THE REGISTRATION FEE QUERY / RETRIEVAL

```
TYPE ZERO (0) TO EXIT
TYPE ONE  (1) FOR LISTING OF THOSE WHO HAVE NOT PAID REGISTRATION
TYPE TWO  (2) FOR LISTING OF THOSE WHO HAVE     PAID REGISTRATION

ENTER OPTION > 1

SEARCH FOR REGISTRATION FEE OF ZERO (0) FOUND    207 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

1/22/85                                                  PAGE   1

               LSAST-1984 CONFERENCE REGISTRATION REPORT
               ==========================================


NAME                                      TITLE
COMPANY                                   CITIZENSHIP
STREET                                    CITY              STATE
BUILDING OR MISCELLANEOUS                 ZIP CODE          SPEAKER
AREA CODE  PHONE NUMBER  EXTENSION  ENTRY DATE REG. FEE  DINNER FEE  TOTAL

FELSHER           , HAL C.

360 DAWSON LANE                           JERICHO           NY
                                          11753             N
   0                              12/18/1984

VILLARREAL        , CARLOS

820 WEST SCHUNIOR                          EDINBURG          TX
                                          78539             N
512       383-1520                12/18/1984

MORE? N

OUTPUT TO PRINTER (Y OR N) > N
```

Option 7 performs the Entry Date search. A range of dates may be searched on as well as a single date. The first date is entered is the low value in the range, and the second date is the high value. To search on a single date, the user must enter the same date for the high value that was entered for the low value. Refer to the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 7
THIS PROGRAM PERFORMS THE ENTRY DATE SEARCH FOR THE LSAST-1984
```

CONFERENCE REGISTRATION DATA BASE

ENTER RANGE OF DATES FOR SEARCH - FIRST DATE ENTERED IS LOW VALUE IN RANGE.

(FOR EXAMPLE - MM/DD/YY)

ENTER FIRST ENTRY DATE > 10/01/84

ENTER LAST ENTRY DATE > 1/ 4/85

SEARCH FOR ENTRY DATES BETWEEN 10/ 1/84 & 1/ 4/85
FOUND   359 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

1/22/85   PAGE   1

LSAST-1984 CONFERENCE REGISTRATION REPORT
==

NAME   TITLE
COMPANY   CITIZENSHIP
STREET   CITY   STATE
BUILDING OR MISCELLANEOUS   ZIP CODE   SPEAKER
AREA CODE   PHONE NUMBER EXTENSION ENTRY DATE REG. FEE DINNER FEE TOTAL

FELSHER   , HAL C.

360 DAWSON LANE   JERICHO   NY
                                         11753   N
   0   12/18/1984

VILLARREAL   , CARLOS

820 WEST SCHUNIOR   EDINBURG   TX
                                         78539   N
512   383-1520   12/18/1984

MORE? NO

OUTPUT TO PRINTER (Y OR N) > N

        Option 8 performs the Input Date search which allows the user to

search on a single date only. The user must enter the date in the format

'MM/DD/YY'. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 8
THIS PROGRAM PERFORMS THE INPUT DATE SEARCH FOR THE LSAST-1984

CONFERENCE REGISTRATION DATA BASE

INPUT DATE FORMAT EXAMPLE: MM/DD/YY

ENTER INPUT DATE FOR SEARCH > 11/14/84

SEARCH FOR INPUT DATE 11/14/84 FOUND   12 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

1/22/85   PAGE   1

NAME		TITLE	
COMPANY		CITIZENSHIP	
STREET		CITY	STATE
BUILDING OR MISCELLANEOUS		ZIP CODE	SPEAKER
AREA CODE PHONE NUMBER EXTENSION	ENTRY DATE	REG. FEE DINNER FEE	TOTAL
NEWTON , RON			
AEROJET TECHSYSTEMS COMPANY			
P.O. BOX 13222		SACRAMENTO	CA
BLDG. 2001, DEPT. 9990		95813	N
916 355-2506	11/14/1984	20.00 14.00	34.00
HILL , J. E.			
LOCKHEED MISSILES & SPACE COMPANY			
1111 LOCKHEED WAY		SUNNYVALE	CA
ORG. 62-42, BLDG. 130		94088-3504	N
408 742-9012	11/14/1984	20.00 14.00	34.00

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

    Option 11, the Dinner Attendee search, compiles a special report of

either those who are attending the dinner or of those who are not attending

the dinner. A total of attendees or non-attendees is provided at the end

of the report. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 11

THIS SEARCH ROUTINE PERFORMS THE DINNER QUERY / RETRIEVAL

A TOTAL NUMBER OF THOSE ATTENDING THE DINNER WILL BE PROVIDED
IN THE REPORT.

```
TYPE ZERO (0) TO EXIT
TYPE ONE   (1) FOR LISTING OF THOSE WHO WILL     ATTEND THE DINNER
TYPE TWO   (2) FOR LISTING OF THOSE WHO WILL NOT ATTEND THE DINNER

ENTER OPTION > 1

SEARCH FOR DINNER ATTENDEES FOUND
164 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.
```

1/22/85   PAGE   1

LSAST-1984 CONFERENCE DINNER ATTENDEES REPORT
==

NAME	TITLE
COMPANY	
REGISTRATION FEE DINNER FEE	DINNER ATTENDEES

```
BENTON               , MAX D.
AEC-ABLE ENGINEERING COMPANY, INC.
  20.00               14.00              1


NEWTON               , RON
AEROJET TECHSYSTEMS COMPANY
  20.00               14.00              1


ASWANI               , MOHAN
AEROSPACE CORPORATION
  20.00               14.00              1


MORE? N

OUTPUT TO PRINTER (Y OR N) > N
```

12.0 ERBE CONFERENCE REGISTRATION FILE

The ERBE Conference Registration file contains conference regis-
tration information, registration fees and totals, and logo ordering infor-
mation. Data is stored in two data files in this data base area: the Con-
ference file and the Logo Ordering file. Information for each file is stored
in the following fields.

Data fields for the Conference file:

ENTRY DATE	LAST NAME	FIRST NAME, M.I.
INPUT DATE	TITLE	COMPANY
BUILDING OR MISCELLANEOUS	CITIZENSHIP	STREET
CITY	STATE	ZIP CODE
AREA CODE	PHONE NUMBER	EXTENSION
KSC TOUR	CAR PASS	DINNER
SOCIAL	BREAKFASTS (1 & 2)	WHOLE PACKAGE
PREPAID FEE		TOTAL RECEIVED

Data fields for the Logo Ordering file:

LAST NAME	FIRST NAME, M.I.	ORGANIZATION
MISC. ADDRESS	STREET	CITY
STATE / COUNTRY	ZIP CODE	AREA CODE
PHONE NUMBER	EXTENSION	LOGO A ORDER
LOGO B ORDER	LOGO B PAID	LOGO C-F ORDER
LOGO C-F PAID	LOGO G ORDER	LOGO G PAID
LOGO H ORDER	LOGO H PAID	LOGO I-N / COMMENTS
	ENTRY DATE	

The ERBE Conference Registration file program main menu appears as follows:

```
LAUNCH REGISTRATION PROGRAM MAIN MENU FOR ERBE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
=================================

1.  Input   Menu
2.  Update  Menu
3.  Delete  Menu
4.  Report  Menu
5.  Search  Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

Each of these options is discussed in detail in the following sections.

12.1   INPUT OPTION

When the Input option is selected from the main menu, the ERBE Conference Registration file Input menu is displayed as follows:

```
LAUNCH FILE INPUT MENU FOR THE ERBE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
=================================

0.  Return to Master Menu
1.  Input to Conference Registration File
2.  Input to LOGO Order Accounting File
3.  Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

12.1.1   INPUT TO CONFERENCE REGISTRATION FILE

Option 1 allows the user to input records into the conference file data base. An input screen is automatically generated for a new record to be input until the user enters a carriage return at a blank input screen.

The Input screen appears as follows:

```
            ERBE LAUNCH REGISTRATION INPUT / UPDATE SCREEN
            =================================================

   ENTRY DATE            LAST NAME           FIRST NAME, M.I.      INPUT DATE
   >..........<       >...............<      >...............<    >..........<

              TITLE                                   COMPANY
   >...............................<       >...................................<

         BUILDING OR MISCELLANEOUS                      CITIZENSHIP
   >..........................................<      >...............<

              STREET                             CITY              STATE
   >.......................................<   >...................<   >..<

      ZIP CODE          AREA CODE      PHONE NUMBER     EXTENSION
   >...............<     >...<         >........<       >........<
   KSC    CAR                     BREAKFASTS     WHOLE    PREPAID      TOTAL
   TOUR   PASS   DINNER  SOCIAL    1     2      PACKAGE     FEE       RECEIVED
   >...< >...<   >...<   >...<   >...< >...<    >...<    >........<   >........<
```

After input has been completed, the following messages will appear on the terminal screen:

'PLEASE NOTE ::: NEW ITEMS IN DATA BASE !!!!

DATA FILE MUST BE SORTED IN ORDER TO SEARCH & RETRIEVE RECORDS'

The user will then be returned to the input menu.

12.1.2   INPUT TO LOGO ORDER ACCOUNTING FILE

Option 2 allows the user to input records into the Logo Order file data base. Input operations for this file are identical to those for the Conference file, described in section 12.1.1. The input screen for the Logo Order file appears as follows:

```
              ERBE LOGO ORDERING FILE INPUT / UPDATE SCREEN
              ================================================

LAST NAME >...................< FIRST NAME M.I. >...................<

ORGANIZATION >..........................................< ENTRY DATE >.........<
  MISC. ADDRESS >........................................<
  STREET >.........................................<
  CITY >...............................< STATE / COUNTRY >...................<
ZIP CODE >...................< AREA CODE >...< PHONE >........< EXT. >........<

              ORDER      PAID
LOGO A        >...<    >  FREE <
LOGO B        >...<    >.......<
LOGO C-F      >...<    >.......<
LOGO G        >...<    >.......<
LOGO H        >...<    >.......<

LOGO I-N / COMMENTS:
>.........................................................................<
```

        After input has been completed, the following messages will appear on

the terminal screen:

'PLEASE NOTE ::: NEW ITEMS IN DATA BASE !!!!

DATA FILE MUST BE SORTED IN ORDER TO SEARCH & RETRIEVE RECORDS'

The user will then be returned to the input menu.

12.1.3   SORTING AND HOUSEKEEPING ROUTINE

        Option 3 performs the sorting and housekeeping for the Conference

file and Logo Ordering file data base areas. The files are sorted by Last

Name and First Name. Records that have been marked for deletion by the

delete routine may be internally purged within the Conference file. This is

not necessary for the Logo Ordering file. No input is required from the

user. Several messages will be displayed indicating which tasks have been

completed. The following examples illustrate all four options available in

this routine.

Example 1 - Option 1 - Sort Conference File

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM PERFORMS FILE HOUSEKEEPING:
SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS
        THIS IS A SLOW ROUTINE !

(0)   EXIT
(1)   SORT CONFERENCE FILE
(2)   HOUSEKEEPING (PURGE) CONFERENCE FILE
(3)   PERFORM BOTH SORT & PURGE ON CONFERENCE FILE
(4)   SORT LOGO ORDER FILE

ENTER OPTION > 1

PLEASE STAND BY ... SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!!!!!!!!!!!!!

ALL DONE !!!!

Example 2 - Option 2 - Housekeeping (Purge) Conference File

ENTER OPTION > 2

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS ...

ALL DONE !!!!!

Example 3 - Option 3 - Perform Both Sort and Purge on Conference File

ENTER OPTION > 3

PLEASE STAND BY ... SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!!!!!!

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS ...

ALL DONE !!!!

Example 4 - Option 4 - Sort Logo Order File

ENTER OPTION > 4

PLEASE STAND BY ... SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!!!!!!!!!!

ALL DONE !!!!

After the desired option has been performed, the user will be returned
to the program main menu.

12.2   UPDATE OPTION

When the Update option is selected from the main menu, the ERBE Con-
ference Registration file Update menu appears as follows:

LAUNCH REGISTRATION UPDATE MENU FOR THE ERBE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

```
0.   Return to Master Menu
1.   Update Conference File
2.   Update LOGO Order File
3.   Sorting & Housekeeping Routine
```

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

12.2.1   UPDATE CONFERENCE FILE

Option 1 allows the user to update records within the Conference
file data base. In order to retrieve the desired record, the user must enter
the appropriate Last Name. If the desired record is found, it will be dis-
played in an update screen identical to the input screen illustrated in
section 12.1.1 of this document. When multiple records are found having
the same Last Name, only the first record found will be displayed in the
input / update screen. To retrieve the subsequent records, type an '=' at
the prompt 'LAST-NAME?>'. If no records are retrieved, 'ITEM NOT FOUND' will
be displayed at the terminal screen and the user must either enter another

Last Name or enter a carriage return in order to return to the Update menu.
The following example illustrates this exit path.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

LAST-NAME?> HARRIS

ITEM NOT FOUND

LAST-NAME?> ** return **

12.2.2   UPDATE LOGO ORDER FILE

Option 2 allows the user to update records within the Logo Order
file data base. The update operations for this routine are identical to
those for the update of the Conference file, described in section 12.2.1 of
this document. Records are updated in an update screen identical to the
input screen illustrated in section 12.1.2 of this document. Refer to
section 12.2.1 of this document for details on the update routine and an
example of the exit path.

12.2.3   SORTING AND HOUSEKEEPING ROUTINE

Option 3 performs the same sorting and housekeeping routine dis-
cussed in detail in section 12.1.3 of this document.

12.3   DELETE OPTION

When the Delete option is selected from the main menu, the ERBE Con-
ference Registration file Delete menu is displayed as follows:

LAUNCH REGISTRATION DELETE MENU FOR THE ERBE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

0. Return to Master Menu

1. Delete record in Conference File
2. Delete record in LOGO Order File
3. Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

12.3.1   DELETE RECORD FROM CONFERENCE FILE

Option 1 allows the user to delete records from the Conference file data base. To retrieve the desired record, the user must enter the appropriate Last Name. If multiple records exist in the data base having the desired Last Name, the user must then enter the appropriate First Name. If multiple records exist having identical First and Last Names, selected fields from each record along with their assigned record numbers will be displayed and the user must then enter the record number of the record that is to be deleted. After entering the desired record number, or if the First Name entered was a unique one, all of the fields of the selected record will then be displayed and the user must indicate whether the record is the correct one for deletion. If the record is to be deleted, a message reminding the user that the sort and housekeeping routine must be run to internally purge the record will be displayed at the terminal screen. The user may then select another record for deletion, or type 'QUIT' to return to the program main menu. If the selected record is not to be deleted, the user may select another record for deletion or type 'QUIT' to return to the main menu. No other messages will be displayed. Refer to the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM WILL DELETE SELECTED RECORDS FROM DATA BASE
        TYPE   QUIT   TO RETURN TO MAIN MENU

ENTER LAST NAME > SMITH

ENTER FIRST NAME M.I. > JACOB, P.

- page 192 -

SEARCH IN PROGRESS

PLEASE STAND BY ...

2 RECORDS WERE FOUND ::: LAST NAME = SMITH
            AND FIRST NAME = JACOB, P.

$RECNO	COMPANY	CITY	STATE
10	PRIME COMPUTER, INC.	NATICK	MA
11	IBM	BOSTON	MA

ENTER RECORD NUMBER TO BE DELETED > 11

THE FOLLOWING HAS BEEN FOUND:

LAST NAME >SMITH   FIRST NAME >JACOB, P.   CITIZENSHIP >USA

TITLE >CUSTOMER SERVICE   COMPANY >IBM

STREET >222 BYTE AVENUE   CITY >BOSTON

STATE >MA ZIP CODE >31345   AREA CODE >655 PHONE NO. >204-9897 EXT.
>9899

PREPAID FEE > 100.00   KSC TOUR >1

CAR PASS >1   DINNER >1   WHOLE PACKAGE >

SOCIAL > 0   BREAKFASTS: 1 >   2 >

TOTAL RECEIVED >   100.00

DELETE THIS RECORD (Y OR N) > Y

PLEASE NOTE ::: RECORD DELETED ... MUST RUN HOUSEKEEPING TO PURGE RECORD

THIS PROGRAM WILL DELETE SELECTED RECORD FROM DATA BASE
          TYPE   QUIT   TO RETURN TO MAIN MENU

ENTER LAST NAME > QUIT

12.3.2   DELETE RECORD FROM LOGO ORDER FILE

        Option 2 allows the user to delete selected records from the Logo

Order file. The operation of this routine is identical to the delete routine

for the Conference file, described in section 12.3.1 of this document. This

routine does internally purge the record as soon as the user declares that

it is to be deleted, unlike the Conference file delete routine which requires

the housekeeping routine to be run in order to purge the records marked for deletion. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM WILL DELETE SELECTED RECORDS FROM THE DATA BASE
          TYPE   QUIT   TO RETURN TO MAIN MENU

ENTER LAST NAME > SMITH

ENTER FIRST NAME M.I. > JACOB, P.

SEARCH IN PROGRESS

PLEASE STAND BY ...

2 RECORDS WERE FOUND :: LAST NAME = SMITH

             AND FIRST NAME = JACOB, P.

          15

ORGANIZATION   =WYLE LAB.
CITY   =HAMPTON
STATE-COUNTRY   =VA

          16

ORGANIZATION   =PRIME COMPUTER, INC.
CITY   =NATICK
STATE-COUNTRY   =MA

ENTER RECORD NUMBER TO BE DELETED > 15

 THE FOLLOWING HAS BEEN FOUND:

LAST NAME >SMITH   FIRST NAME >JACOB, P.

ORGANIZATION >WYLE LAB.

STREET >1122 RESEARCH DRIVE   CITY >HAMPTON

STATE >VA   ZIP CODE >23666   AREA CODE >804

PHONE NO. >865-1111 EXT. >1112   ENTRY DATE > 1/31/1985

LOGO I-N / COMMENTS:

DELETE THIS RECORD (Y OR N) > Y

THIS PROGRAM WILL DELETE SELECTED RECORDS FROM THE DATA BASE
        TYPE   QUIT   TO RETURN TO MAIN MENU

ENTER LAST NAME > QUIT

12.3.3   SORTING AND HOUSEKEEPING ROUTINE

        Option 3 performs the same sorting and housekeeping routine dis-

cussed in detail in section 12.1.3 of this document.

12.4   REPORT OPTION

        When the Report option is selected from the main menu, the ERBE Con-

ference Registration file report menu is displayed as follows:

LAUNCH REGISTRATION REPORT MENU FOR THE ERBE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
==================================

0.   Return to the Master Menu
1.   Registration List Report
2.   Mailing or Conference List
3.   Conference Sign-In Sheet
4.   Logo Ordering File Report

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

        Options 1 through 3 generate specially formatted reports of the

Conference file data base and provide printer output only. No reports are

displayed at the terminal screen. Option 4 generates listing of the Logo

Ordering file and does provide terminal screen output with optional printer

output available. After each report option has been completed, the user

will be returned to the Report menu.

        Option 1 provides a report on the Conference file which may be sorted

by various data fields. A list of the available sort options is generated

within the report routine. After running the report, the system automati-

cally sorts the Conference file back in its original order. See Appendix I-1 for an example of the output format. Refer to the following example illustrating terminal actions performed in running this routine.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM PROVIDES A REPORT FOR THE ERBE LAUNCH REGISTRATION
WITH THE FOLLOWING OPTIONS AVAILABLE:

(0) EXIT
(1) SORT BY NAME
(2) SORT BY COMPANY
(3) SORT BY STATE
(4) SORT BY PREPAID FEE
(5) SORT BY ENTRY DATE
(6) SORT BY TITLE

ENTER OPTION > 2

 13 RECORDS FOUND AND SORTED. OUTPUT BEING FORMATTED.

OUTPUT TO :

     0) NO OUTPUT !!!
     1) SCOUT PROJECT OFFICE / LARC, NASA
     2) VOUGHT CORPORATION   / DALLAS, TX
     3) PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > ** return **

FILE BEING RE-SORTED IN ORIGINAL FORM.

ALL FINISHED !!! GOING BACK TO REPORT MENU !

        Option 2 provides a listing of the Conference file showing selected fields of each record which may be used for mailing labels or attendee reports. See Appendix I-2 for an example of the output format for this report. The following example illustrates the terminal actions used in running this routine.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2
THIS PROGRAM PROVIDES A LISTING TO BE SPOOLED FOR PRINTER

OUTPUT OF ALL ACEE CONFERENCE ATTENDEES AND HAS
TWO FORMATS AVAILABLE   (TYPE ZERO(0) TO QUIT):

(1) MAILING   FORMAT - INCLUDES NAME, COMPANY, AND COMPANY ADDRESS

(2) CONFERENCE FORMAT - INCLUDES THE ITEMS FROM MAILING FORMAT,
                        PLUS TITLE, BUSINESS AREA CODE, AND PHONE NO.

ENTER OPTION > 1

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

OUTPUT TO :

       0)   NO OUTPUT !!!
       1)   SCOUT PROJECT OFFICE / LARC, NASA
       2)   VOUGHT CORPORATION   / DALLAS, TX
       3)   PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > ** return **

        Option 3 provides a report of the Conference file in the form of a

sign-in sheet which is designed to be spooled to a Letter Quality Printer

using 8.5 x 11 size paper. See Appendix I-3 for an example of the output

format for the sign-in sheet. Refer to the following example for terminal

actions performed in running this routine.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM PROVIDES A SPECIALLY FORMATTED SIGN-IN
SHEET FOR THE ACEE PROJECT CONFERENCE AND IS TO BE
SPOOLED TO A LETTER QULAITY PRINTER (LQP). PRINTERS E,
F, I, AND P ARE THE LQP PRINTERS BEST SUITED
              FOR THIS REPORT.

THE FOLLOWING OPTIONS ARE AVAILABLE: (0)   QUIT
                                        (1)   SPOOL DATA BASE

             ENTER OPTION > 1

PLEASE STAND BY ... OUTPUT BEING FORMATTED.

 OUTPUT TO :

       0)   NO OUTPUT !!!
       1)   SCOUT PROJECT OFFICE / LARC, NASA
       2)   VOUGHT CORPORATION   / DALLAS, TX
       3)   PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > ** return **

Option 4 provides a listing of the entire Logo Ordering file data base. The total number of records contained in the file is displayed on the terminal screen, followed by the listing of the file records. Printer output is optional. Refer to the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS ROUTINE WILL PROVIDE A LISTING OF THE ENTIRE ERBE LOGO
ORDERING FILE. PLEASE TYPE A 1 TO CONTINUE OR A 0 TO
QUIT.

ENTER NUMBER > 1

PLEASE STAND BY ... TERMINAL OUTPUT NOW BEING FORMATTED.

THERE ARE CURRENTLY 19 RECORDS IN THE LOGO ORDERING FILE.

1/31/85   PAGE   1

                ERBE LOGO ORDERING FILE REPORT LISTING
                ======================================

NAME
ORGANIZATION   LOGO A: ORDER
LOGO B: ORDER   PAID   LOGOS C-F: ORDER PAID
LOGO G: ORDER   PAID   LOGO H: ORDER   PAID
LOGOS I-N / COMMENTS

COX   , JOHN W.
SED   1
   1   1
   0   1

DREWRY   , JOSEPH W.
ASD   1
   0   0
   0   0

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

12.5   SEARCH OPTION

When the Search option is selected from the main menu, the ERBE Conference Registration file Search menu appears as follows:

LAUNCH REGISTRATION SEARCH MENU FOR THE ERBE PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
=================================

```
0.  Return to the Master Menu
1.  Title Search
2.  Company Search
3.  Last Name Search
4.  State Search
5.  Prepaid Fee Search
6.  Entry Date Search
7.  Breakfasts Search
8.  Input Date Search
```

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All search options provide reports on selected groups of records from the Conference file data base. Terminal output is provided with optional printer output. After each search option has been completed, the user will be returned to the Search menu.

Options 1 through 4 , the Title search, Company search, Last Name search, and State search are all partial searches and operate in an identical fashion. A Title search for 'S' would retrieve records having titles such as 'COMPUTER SPECIALIST' and 'SOFTWARE ANALYST'. The following example illustrates option 1, the Title search.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS SEARCH ROUTINE PERFORMS THE TITLE QUERY / RETRIEVAL

ENTER TITLE TO BE SEARCHED ON > S

PLEASE STAND BY ... SEARCH NOW IN PROGRESS

TITLE SEARCH FOR S   FOUND   1 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

1/31/85   PAGE   1

ERBE PROJECT LAUNCH REGISTRATION
=================================

NAME   TITLE
COMPANY
STREET
CITY   STATE   ZIP
-------------------------------   ------------------------------

Freeman   , Michael   Supervisor
Klate Holt
2658 N. Armistead Ave.
Hampton   VA   23666

OUTPUT TO PRINTER (Y OR N) > N

        Option 5 performs the Prepaid Fee search, in which the user may search

for records having a prepaid fee of zero or greater than zero. See the

following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS SEARCH ROUTINE PERFORMS THE PREPAID FEE QUERY / RETRIEVAL

TYPE ZERO (0) TO EXIT
TYPE   ONE (1) FOR LISTING OF THOSE WHO HAVE NOT PREPIAD
TYPE   TWO (2) FOR LISTING OF THOSE WHO HAVE   PREPAID

ENTER OPTION > 1

SEARCH FOR PREPAID FEE OF ZERO (0) FOUND   12 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

ERBE PROJECT LAUNCH REGISTRATION
==================================

NAME   TITLE
COMPANY
STREET
CITY   STATE   ZIP
----------------------------------   -------------------------------

Adelson   , Harold, E.
TRW - DSSG
One Space Park
Redondo Beach   CA   90278

CAMPBELL   , BRUCE
ASTRO RESEARCH CORPORATION

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

      Option 6 performs the Entry Date search. The user may   search   on   a

range of dates, the first date entered being the low value in the range   and

the second date entered being the high value in the range. In   order   to

search on a single date, the user must enter the same date for the   high

value that was entered for the low value. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 6

THIS PROGRAM PERFORMS THE ENTRY DATE SEARCH FOR THE ERBE
PROJECT LAUNCH REGISTRATION DATA BASE

ENTER RANGE OF DATES FOR SEARCH - FIRST DATE ENTERED IS LOW VALUE IN RANGE

ENTER FIRST ENTRY DATE > 10/1/84

ENTER LAST ENTRY DATE > 1/30/84

SEARCH FOR ENTRY DATES BETWEEN 10/ 1/84 & 1/30/85 FOUND 11 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

ERBE PROJECT LAUNCH REGISTRATION
================================

NAME   TITLE
COMPANY
STREET
CITY   STATE   ZIP
---------------------------------   -------------------------------

CAMPBELL   , BRUCE
ASTRO RESEARCH CORPORATION

HEDGEPETH   , JOHN M.
ASTRO RESEARCH CORPORATION

MORE? N

 OUTPUT TO PRINTER (Y OR N) > N

        Option 7 performs the Breakfasts search in which the user may search

for records having nonzero values in the First Breakfast field or in the

Second Breakfast field. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 7

THIS SEARCH ROUTINE PERFORMS THE BREAKFAST QUERY / RETRIEVAL

TYPE ZERO (0) TO EXIT
TYPE ONE (1) FOR SEARCH ON FIRST BREAKFAST
TYPE TWO (2) FOR SEARCH ON SECOND BREAKFAST

ENTER OPTION > 2

SEARCH FOR SECOND BREAKFAST FOUND   1 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

ERBE PROJECT LAUNCH REGISTRATION
====================================

NAME   TITLE
COMPANY
STREET
CITY   STATE   ZIP
----------------------------------   ------------------------------

Freeman   , Michael   Supervisor
Klate Holt
2658 N. Armistead Ave.
Hampton   VA   23666

OUTPUT TO PRINTER (Y OR N) > N

        Option 8 performs the Input Date search In which the user   may search

on a single date only. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 8

THIS PROGRAM PERFORMS THE INPUT DATE SEARCH FOR THE ERBE
PROJECT CONFERENCE REGISTRATION DATA BASE

ENTER INPUT DATE FOR SEARCH > 12/ 4/84

SEARCH FOR INPUT DATE 12/ 4/84   FOUND   11 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

ERBE PROJECT LAUNCH REGISTRATION
====================================

NAME   TITLE
COMPANY
STREET
CITY   STATE   ZIP
----------------------------------   ------------------------------

CAMPBELL   , BRUCE
ASTRO RESEARCH CORPORATION

HEDGEPETH   , JOHN M.

ASTRO RESEARCH CORPORATION

MORE? N

OUTPUT TO PRINTER (Y OR N) > N

-

APPENDICES

TRW   PROJECT   CCR   FILE   :   DOCUMENT AFFECTED :: 27

MAIL LOG CCR SEARCH PRINTOUT

A-1

CCR NUMBER	DATE ISSUED	INITIATOR	DOCUMENT AFFECTED	CURRENT STATUS	DISPOSITION
ECR 227	6/23/1982	TRW/CARMAN	X427507 & X427506	APPROVED	TRW APPROVED 08/31/82 LARC APPROVED 12/01/82

DESCRIPTION : APERTURE, MFOV-REF ACR; APERTURE, WFOV-REF ACR (DESIGN & FAB
FIELD STOPS TO CONVERT TO TIROS FIELDS OF VIEW)
REMARKS   : CLASS I - LARC APPROVAL REQUIRED

| ECR 260 | 10/ 7/1982 | TRW/DOHLIN | D425527 & D425522 | DISAPPROVED | TRW APPROVED 10/22/82 LARC DISAPPROVED 01/26/83 |

DESCRIPTION . CAGING ASSEMBLY

REMARKS   : CLASS II - FOR LARC REVIEW

| ECR 313 | 1/13/1983 | TRW/VARIANO | BEC 208902-1027-1 | DISAPPROVED | TRW DISAPPROVED 01/26/83 LARC ACTION N/A |

DESCRIPTION : CONTAMINATION COVER ASSY - MACHINE SHOULDER SCREWS TO PERMIT
PLACING WASHER BETWEEN BELL CRANK AND MOUNTING SURFACE
REMARKS   : CLASS I - LARC APPROVED REQUIRED

ERBE   PROJECT   CCR   FILE : CANCELLED / WITHDRAWN

CCR NUMBER	DATE ISSUED	INITIATOR	DOCUMENT AFFECTED	CURRENT STATUS	DISPOSITION
6090	9/14/1983	GSFC/KOWALSKI	ERBE-S TOCC SOFTWARE	CANCELLED	GSFC APPROVED 09/14/83 LARC ACTION PENDING TIROS ACTION PENDING

DESCRIPTION : ERBE-S HOUSEKEEPING SAMPLING RATE CHANGE

REMARKS   : SUPERSEDED BY 6090A

| 7174 | 10/22/1981 | LARC/COX | IDD | CANCELLED | |

DESCRIPTION : ERBE/ERBS IDD WEIGHT CHANGE

REMARKS   : REPLACED BY 7181

| 7178 | 3/ 5/1982 | LARC/WILLIAMS | UIIS | WITHDRAWN | LARC APPROVED 03/08/82
TIROS ACTION PENDING |

DESCRIPTION : UPDATE TO TIROS-N UIIS, REV. H DATED APRIL 22, 1981

REMARKS   . WITHDRAWN BY LARC AT CCB MEETING 12/08/82

| 7179 | 3/ 5/1982 | LARC/WILLIAMS | UIIS | WITHDRAWN | LARC APPROVED 03/08/82
TIROS ACTION PENDING |

DESCRIPTION : UPDATE TO TIROS-N UIIS, REV. G DATED AUGUST 4, 1981

REMARKS   : WITHDRAWN BY LARC AT CCB MEETING 12/08/82

| 7180 | 3/25/1982 | LARC/WILLIAMS | UIIS | CANCELLED | LARC APPROVED 03/29/82
TIROS ACTION PENDING |

DESCRIPTION : ERBE/TIROS-N UNIQUE INTERFACE WEIGHT CHANGE

REMARKS   : REPLACED BY 7180A DATED 05/27/82

PROJECTS CORRESPONDENCE FILE :: REFERENCE NUMBER :: 7

INDEX PROJECT DOCDATE	SOURCE AUTHOR REFERENCE NUMBER	DESCRIPTION	FILE CODE FILE FOLDER DOCUMENT FILE
15947 ERBE 2/12/1985	ERBE WOERNER E00457	ANNUAL WALKTHROUGH INSPECTION	019000
16474 ERBE 3/14/1985	OAO HESTER ERBE-MO-85-27	SCCR DISPOSITION	011000
16503 ERBE 3/18/1985	ERBE HOLLAND 85-E00477	ERBE/SAGE II MICS REVIEW FOR FEBRUARY REPORT	151050
16810 ERBE 4/ 8/1985	TRW ETHINGTON SR273103	NAS1-15900, SHIPPING REQUEST - ERBE RESIDUAL PARTS	012700 15900
17521 ERBE 5/30/1985	OAO HESTER ERBE-MO-85-57	SCCR DISPOSITION	011000
17694 ERBE 6/ 5/1985	OAO TAYLOR ERBE-OGC-85-07	NAS1-17708, TECHNICAL PROGRESS REPORT	151040 17708
17712 ERBE 6/11/1985	ERBE WILLIAMS E00570	UNPURCHASED PHILATELLIC COVERS	159200
17671 ERBE 6/12/1985	ERBE BROOME E00573	NAS1-15900, RECOMMENDATIONS OF THE ERBE AFEB FOR THE ELEVENTH PERIOD OF CONTRACT EFFORT	150000 15900
17739 ERBE 6/13/1985	ERBE WILLIAMS E00576	NAS1-15900, CLOSEOUT ISSUES	150000 15900
17743 ERBE 6/13/1985	ERBE WILLIAMS E00575	UNPURCHASED PHILATELIC COVERS	159200

MAIL LOG CORRESPONDENCE SEARCH PRINTOUT

B-1

PROJECT   CORRESPONDENCE   LOG   FOR   5/ 7/1985

INDEX PROJECT	SOURCE AUTHOR REFERENCE NUMBER	DESCRIPTION	FILE CODE FILE FOLDER DOCUMENT FILE
17890 UARS	HALOE PAYTON HALOE-04-091	DATA MODE TEST	110000 HALOE U-244
17891 UARS	HALOE PAYTON HALOE-04-090	CAL MODE TEST - INITIAL CALIBRATION WHEEL CHARACTERIZATION TEST	110000 HALOE U-243

PROJECT   CORRESPONDENCE   LOG   FOR   6/ 7/1985

INDEX PROJECT	SOURCE AUTHOR REFERENCE NUMBER	DESCRIPTION	FILE CODE FILE FOLDER DOCUMENT FILE
17892 ODP	MSFC LUCAS	LETTER OF REQUEST FOR ASSISTANCE IN IDENTIFYING CANDIDATES FOR THE POSITION OF DIRECTOR, ADMINISTRATIVE OPERATIONS OFFICE, MSFC	012500 MSFC

PROJECT   CORRESPONDENCE   LOG   FOR   6/14/1985

INDEX PROJECT	SOURCE AUTHOR REFERENCE NUMBER	DESCRIPTION	FILE CODE FILE FOLDER DOCUMENT FILE
17895 ODP	NASA/HQS EDELSON	NOTIFICATION THAT NASA WILL ENTER INTO DISCUSSIONS WITH LMSC THAT MAY LEAD TO AN AGREEMENT TO FLY LARGE ANTENNA EXPERIMENTS ON THE SHUTTLE IN 1989	161000 HQS

MECHANICAL DRAWINGS PRINTOUT (SEARCH)

C-1

DRAWING REPORT - BRIEF
============================

| LARC NUMBER | REV. | TITLE | NEXT ASSEMBLIES |
TRW NUMBER	L.R.		
LD 817405	A(L)	MIRROR MOUNT, ALIGNMENT	425391
425388	R		
LD 817408	A(L)	MIRROR ASSY, ALIGNMENT	425325
425391	R		
LD 817437	A	CELL, GRADED SEAL GLASS TO SAPPHIRE, INSTRUMENT	427769
424053			
817456		HALOE-INSTRUMENT ASSY	
424000			
LC 817518	C(L)	HOOD, ALIGNMENT CUBE, SUNSENSOR	427140
427142	R		
LD 817605	D(L)	ENERGY CONTAINMENT ASSEMBLY	423880
427745	R		
LD 817609	C(L)	TUBE, CONTAINMENT	427745
427749	R		
LD 817612	B(L)	TRAP, CONTAINMENT	427745
427752	R		
LC 818564	A(L)	RING, ALIGNMENT	427270
423833	R		
LE 818587		INTERFACE CONTROL DRAWING-HALOE INSTRUMENT	
425385			

PARTS   INVENTORY   LIST   FOR   LARC   DRAWING   LE   817346
REVISION A(L)
TRW REFERENCED DRAWING :   425325   NEXT ASSEMBLIES :   424000
TITLED :   BIAXIAL GIMBAL ASSY, HALOE INSTR.
PROCESSES :   PR 7-2   PR 12-6   PR 4-7   PR 9-18   PR 4-5   PR 7-3   PR 2-8   PR 9-261

ITEM	PART NUMBER	DESCRIPTION	MATERIAL ('*' AT DETAIL DWG/SPEC LEVEL)	CATEGORY	REQD	HAVE
40	MS25281-F4	CLAMP	NYLON	POLYMERIC	5	10
41	MS25281-F3	CLAMP	NYLON	POLYMERIC	8	25
42	819480-1	PYRO PC HOUSING	NYLON	POLYMERIC	2	2

PARTS   INVENTORY   REPORT
=========================

DESCRIPTION	DRAW NO.	PART NUMBER	MATERIAL ('*' AT DETAIL DWG/SPEC LEVEL)	CATEGORY	REQD	HAVE
VITON SHRINK TUBING	818534	(RT1146) MIL-R-46846	SEE ELECT MTRLS LIST	*	0	0
RETAINER	817354	-1	6061 AL ALY, QQ-A-250/11	INORGANIC	2	0
CLAMP	817360	-1	6061 AL ALY, QQ-A-250/11	INORGANIC	1	0
RETAINER	817361	-1	6061 AL ALY, QQ-A-250/11	INORGANIC	1	0
RETAINER	817363	-1	6061 AL ALY, QQ-A-250/11	INORGANIC	1	0
CLAMP	817365	-1	6061 AL ALY, QQ-A-250/11	INORGANIC	1	0
CLAMP	817366	-1	6061 AL ALY, QQ-A-250/11	INORGANIC	1	0
SUPPORT	817369	-1	6061 AL ALY, QQ-A-250/11	INORGANIC	1	0
PIN	817371	-1	347 CRES/QQ-S-763	INORGANIC	1	0
SPACER	817373	-1	6061 AL ALY, QQ-A-250/11	INORGANIC	1	0
LEVER	817374	-1	347 CRES/QQ-S-763	INORGANIC	1	0
				INORGANIC	11	

HALOE MATERIAL LISTING

CATEGORY : PROCESS

MECHANICAL SPECIAL MATERIALS LISTING PRINTOUT

C-4

MATERIAL	CONDITION	AMT. CODE	DESCRIPTION	DRWG NO.	PART NUMBER
				APPLICATION	
			CLEANING AND CONTAMINATION CONTROL	423849	HALOE-13-005
			CLEANING AND CONTAMINATION CONTROL	423853	HALOE-13-005
			CLEANING AND CONTAMINATION CONTROL	423830	HALOE-13-005
			CLEANING AND CONTAMINATION CONTROL	423831	HALOE-13-005
			CLEANING AND CONTAMINATION CONTROL	423832	HALOE-13-005
			CLEANING AND CONTAMINATION CONTROL	423834	HALOE-13-005
			CLEANING AND CONTAMINATION CONTROL	423842	HALOE-13-005
			BONDING KAPTON HEATERS	427140	M600369
			BONDING KAPTON HEATERS	427772	M600369
			BONDING KAPTON HEATERS	423822	M600369
			CHEM FILM FOR AL & AL ALLOYS	819354	MIL-C-5541, CLASS 1A
			CHEM FILM FOR AL &AL ALLOYS	819480	MIL-C-5541, CLASS 1A
			CHEM FILM FOR AL & AL ALLOYS	819917	MIL-C-5541, CLASS 1A
			CHEM FILM FOR AC & AL ALLOYS	425329	MIL-C-5541,CLASS 1A
			HEAT TREATMENT OF STAINLESS STEELS	423873	PR 11-7
			HEAT TREATMENT OF STAINLESS STEELS	423773	PR 11-7
			MARKING OF PARTS AND ASSEMBLIES	425337	PR 12-6
			MARKING OF PARTS AND ASSEMBLIES	C425316	PR 12-6
			MARKING OF PARTS AND ASSEMBLIES	C425324	PR 12-6
			AL AND AL ALLOYS COATING	425373	PR 2-27
			AL AND AL ALLOYS COATING	425383	PR 2-27
			AL AND AL ALLOYS COATING	425384	PR 2-27
			AL AND AL ALLOYS COATING	427266	PR 2-27

LARC DRAWING. LE   817347   REVISION: A(L)
DRAWING TITLE: DRIVE ASSY BIAXIAL GIMBAL ASSY
TRW REFERENCED DRAWING: 425328
A=SCC SUSCEPT. B=AL STOCK<=.125 C=ANNEALED D=S.T. EXPOSED   E=PROTECTED F=RELEASE>.03# G=FAILSAFE REQD.
H=FAILSAFE DONE I=PART CONTAINED J=RELEASED>.03#   K=M.L.P. REQD L=M.L.P. DONE   M=FRACTURE CRIT'L

PART NUMBER	NAME	QUANTITY	A	B	C	D	E	F	G	H	I	J	K	L	M	COMMENT
425330-1	MODULE ASSY	1	*	-	-	-	-	-	-	-						
425330-2	MODULE ASSY	1	*	-	-	-	-	-	-	-						
425333-1	SPUR GEAR	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
425334-1	COUPLING	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
425335-1	RESERVOIR	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
425336-1	RETAINER	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
425337-1	RETAINER	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
425358-1	SHIM	0	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
425358-2	SHIM	0	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
AP48AS-28 (BERG)	PINION GEAR	2	TBD								Y	-	-	-		ANALYSIS 10
425363-1	PINION GEAR	2	TBD								Y	-	-	-		ANALYSIS 10
425364-1	RETAINER	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
425395-1	RESERVOIR	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
425361-1	COVER	2	*	-	-	-	-	-	-	-	N	N	Y	N		ANALYSIS 10B
C425323-1	POTENTIOMETER	1	15	-	-	-	-	-	-	-	N	N	Y	N		ANALYSIS 10C
C425324-1	BEARING, BALL DUPLEX	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
C425326-1	MOTOR	2	*	-	-	-	-	-	-	-	N	N	Y	N		ANALYSIS 10A
C425327-1	HARMONIC DRIVE	2	*	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
4432 (PIC)	SCREW, SHOULDER	2	1	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
L2-1 (PIC)	CLAMP	6	1	-	-	-	-	-	-	-	N	Y	-	-		
4410 (PIC)	SCREW, SHOULDER	4	1	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
C5-33 (PIC)	PIN, SPIRAL	4														NEW PART
C5-35 (PIC)	PIN, SPIRAL	2														NEW PART
NAS620C10	WASHER, FLAT	12	1	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
NAS1352N04-4	SCREW, CAP, SOC HD	20	1	-	-	-	-	-	-	-	N	Y	-	-		
NAS1352N04-6	SCREW, CAP, SOC HD	18	1	-	-	-	-	-	-	-	N	Y	-	-		
NAS1351N3-6	SCREW, CAP, SOC HD	12	1	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
NAS1352N08-8	SCREW, CAP, SOC HD	20	1	-	-	-	-	-	-	-	Y	-	-	-		ANALYSIS 10
NAS620C4	WASHER, FLAT	36	1	-	-	-	-	-	-	-	N	Y	-	-		
NAS620C8	WASHER, FLAT	20	1	-	-	-	-	-	-	-	N	Y	-	-		
BRAYCO MICRONIC	LUBRICANT	0	LUB	-	-	-	-	-	-	-	-	-	-	-	N	NON-STRUCTURAL
C425323-2	POTENTIOMETER	1	*	-	-	-	-	-	-	-	N	N	Y	N		ANALYSIS 10 C
-3(PR 4-34)	100.14.7:11.8.5.0 MIX	0	POL	-	-	-	-	-	-	N	Y	-	-	N		
818751-1	COVER, ACCESS	2														NEW PART
NAS1352N08-6	SCREW, CAP, SOC HD	2														NEW PART

DRAWING REPORT - BRIEF
===========================

DRAWING #   TITLE
----------   ---

D424103-1   RADIOMETER PREAMP - CF2 C/2

D424103-2   RADIOMETER PREAMP - H20/03

D424103-3   RADIOMETER PREAMP - C02

D424110-1   GAS CH PREAMP HG CD TE (NO)

D424110-2   GAS CH PREAMP IN AS (CH4)

D424110-3   GAS CH PREAMP IN AS (HCL)

D424110-4   GAS CH PREAMP IN AS (HF)

D424114-1   GAS CH PREAMP - HG CD TE (NO), IN AS (CH4 & HC1)

D424114-2   GAS CH PREAMP, IN AS (HF)

S/S   HALOE INSTRUMENT SPREAD SYSTEM

ELECTRICAL DRAWINGS REPORT

E-1

PARTS   INVENTORY LIST FOR DRAWING : D424151

TITLED : POWER CONDITIONING A3A1 BOARD

ITEM	PART NUMBER	MANUFACTURER	GENERIC NUMBER	CATEGORY	REQD	HAVE	TYPE	APPROVAL INFORMATION	LOCATION
15	D428463			MAGNETIC PT	2	0	P		
	DESCRIPTION: INDUCTOR, FLYBACK								
40	D428462			MAGNETIC PT	2	0	P		
	DESCRIPTION: INDUCTOR COMMON MODE								
45	1H258-001Z-410	SILICON GENERAL	SG1524J/883B	MICROCIRCUITS	2	16	G		L5 S4
	DESCRIPTION: REGULATOR								

7/ 5/85   PAGE   4

PARTS INVENTORY REPORT
========================

GENERIC NUMBER	PART NUMBER	MANUFACTURER	DRAWING #	LOCATION	CATEGORY	REQD	HAVE	TYPE
1N967B	1D060-009Z-413	CONTINENTAL	SPARES 400	L4 S5	DIODES	0	12	P
1N4944A	1D070-002V-266	UNITRODE	SPARES 400	L4 S5	DIODES	0	19	P
	1D101-003Z-413		SPARES 400	L4 S6	DIODES	0	12	P
LED 183	1D147-001V-013	GE	SPARES 400	L4 S6	DIODES	0	22	P
JANTXV1N5811	1D177-006Z-413	UNITRODE	SPARES 200	L1 S1	DIODES	0	5	G

						0		

FIPPS STANDARD REPORT

F-1

DOCUMENT NO. REVISION	TITLE	COPY ON FILE	PRO- PRIE TARY	APPLICABLE ERBE	HALOE	REVIEW NAME DATE GSFC	NAME DATE LARC	APPROVAL APPROVED FOR USE AT LARC	COMPARABLE LARC SUBSTITUTE	REMARKS
FIPP 7-13-07 B/C1	CONTINUITY TESTING OF MULTILAYER PWB'S	N	Y		X					FOR IN-HOUSE PWB CON-STRUCTION
FIPP 7-23-01 A5	DIELECTRIC WITHSTANDING VOLTAGE TESTING OF MPWB BY MANUAL METHOD	N	Y		X					FOR IN-HOUSE PWB CON-STRUCTION
FIPP 9-180-0102 G	INSTALL./REMOVAL, TEST-ING, & SOLDER. OF FEED-THRU CERAMIC FILTER CAP.	Y	N	X	X					
YP-17C-09	FUNTIONAL TEST PROCE-SURE FOR COARSE SUN SENSOR ASSEMBLY	Y	N		X					
YP-17F-02 A	HALOE EMPTY CELL LEAK TEST PROCEDURE	Y	N		X					
YP-17F-03	HALOE WEDGED WINDOW ALIGNMENT TEST PROCEDURE	Y	N		X					
YP-17P-19	PHOTOVOLTAIC DETECTOR TEST PROCEDURE	Y	N		X					

REGISTRATION ATTENDEE LIST

ENTRY DATE	NAME COMPANY		FORMS RECEIVED FEDD ALIEN		PREPAID REG. FEE	EXTRA TICKETS						TOTAL RECEIVED
						BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES WED		
8/20/1984	BANNINK	, ENGBERT	Y	N		0	0	0	0	0	0	
8/20/1984	BOMBARD	, RICHARD	Y	N		0	0	0	0	0	0	
8/20/1984	CRESSEY	, D.R.	Y	N		0	0	0	0	0	0	
8/20/1984	CROWE	, W.C.	Y	N		0	0	0	0	0	0	
8/20/1984	CROY	, G.M.	Y	N		0	0	0	0	0	0	
8/20/1984	CUSHMAN	, J.B.	Y	N		0	0	0	0	0	0	
8/20/1984	DALLEN	, J.B.	Y	N		0	0	0	0	0	0	
8/20/1984	DREISBACH	, R.L.	Y	N		0	0	0	0	0	0	
8/20/1984	ENSMINGER	, R.	Y	N		0	0	0	0	0	0	
8/20/1984	FIMBRE	, JIM	Y	N		0	0	0	0	0	0	
8/20/1984	GARRES	, F.J.	Y	N		0	0	0	0	0	0	
8/20/1984	GRATTON	, S.	Y	N		0	0	0	0	0	0	
8/20/1984	HANSON	, J.F.	Y	N		0	0	0	0	0	0	

7/ 5/85   PAGE   1

ABBOTT   , RICK
PRINCIPAL STAFF ENGINEERING
BEECH AIRCRAFT CORPORATION
9709 EAST CENTRAL AVENUE
WICHITA   KS 67201
316 689-6935

AGEE   , LOU
CONFERENCE COORDINATOR
NASA LANGLEY RESEARCH CENTER

HAMPTON   VA 23665
804 865-3081

ALLDREDGE   , JOEL W.

BOEING COMMERCIAL AIRPLANE COMPANY
P.O. BOX 3707
SEATTLE   WA 98124
   0

ALLEN   , JAMES
TECHNICAL DIRECTOR
FIBERITE COMPOSITE MATERIALS
501 W. THIRD STREET
WINONA   MN 55987
507 454-3611

ALLEN   , MARK R.

BOEING MILITARY AIRPLANE COMPANY
P. O. BOX 3707
SEATTLE   WA 98124
   0

REGISTRATION ATTENDEE LIST
============================

ENTRY DATE	NAME COMPANY	FORMS RECEIVED FEDD	ALIEN	PREPAID REG. FEE	EXTRA TICKETS BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	TOTAL RECEIVED
8/20/1984	WIDMAYER , E., JR.	Y	N		0	0	0	0	0	0	
8/20/1984	WINEGAR , J.S.	Y	N		0	0	0	0	0	0	
				0.00	0	0	0	0	0	0	0.00
7/30/1984	WINGFIELD , ROBERT DOW CHEMICAL COMPANY	N	N		0	0	0	0	0	0	
7/31/1984	WOOD , H. A. NASA HEADQUATERS - RJT	Y	N		0	1	0	0	0	0	
6/25/1984	WOOD , HOWARD A. WRIGHT-PATTERSON AFB	Y	N		0	1	0	0	0	0	
7/18/1984	WOOD , STANTON FEDERAL AVIATION ADMINISTRATION	Y	N		0	0	0	0	0	0	
8/20/1984	YECKEL , W.C.	Y	N		0	0	0	0	0	0	
7/18/1984	ZINN , ANDREW D. ROCKWELL INTERNATIONAL	Y	N		0	0	0	0	0	0	
				350.00	22	24	0	0	0	0	372.00

ACEE CONFERENCE SIGN-IN SHEET

NAME AND ORGANIZATION	CITIZENSHIP	SIGNATURE
ABBOTT , RICK BEECH AIRCRAFT CORPORATION	-----------	---------------------
AGEE , LOU NASA LANGLEY RESEARCH CENTER	-----------	---------------------
ALLEN , JAMES FIBERITE COMPOSITE MATERIALS	-----------	---------------------
ALZASSE , PAUL DU PONT COMPANY	-----------	---------------------
ANDERSEN , U.J. BOEING	-----------	---------------------
ANDERSON , ROBERT L. HERCULES INCORPORATED	-----------	---------------------
ANDERSON , THOMAS W. LOCKHEED CALIFORNIA COMPANY	-----------	---------------------
ARMENDAREZ , C. F. LOCKHEED-CALIFORNIA COMPANY	-----------	---------------------
ARNOLD , JACK N. RAYTHEON	-----------	---------------------
ASAHARA , MICHAEL N. SR. FEDERAL AVIATION ADMINISTRATION	-----------	---------------------
BAILIE , J. A. LOCKHEED MISSILES & SPACE CO.	-----------	---------------------
BAIR , JIM CESSNA AIRCRAFT DIVISION	-----------	---------------------
BANNINK , ENGBERT	-----------	---------------------

ACEE CONFERENCE SIGN-IN SHEET

7/ 5/85   PAGE   1

CONFERENCE ATTENDEE LIST
============================

NAME
COMPANY

ALLDREDGE   , JOEL W.
BOEING COMMERCIAL AIRPLANE COMPANY

ANDERSON   , HAROLD E.
BOEING COMMERCIAL AIRPLANE COMPANY

ANDERSON   , O. JAMES
BOEING COMMERCIAL AIRPLANE COMPANY

ARENBURG   , ROBERT T.
BOEING AEROSPACE COMPANY

ARKINS   , TOM
BOEING MILITARY AIRPLANE COMPANY

ARNQUIST   , J. L.
BOEING AEROSPACE COMPANY

BAKER   , EDWIN T.
BOEING COMMERCIAL AIRPLANE COMPANY

BEAL   , BILLY LEE
BOEING MILITARY AIRPLANE COMPANY

REGISTRATION ATTENDEE LIST
============================

ENTRY DATE	NAME COMPANY	FORMS RECEIVED FEDD ALIEN	PREPAID REG. FEE	EXTRA TICKETS BLAKE ISLAND	BOEING TOUR	7000 TOUR	SOCIAL	LUNCHEONS TUES	WED	TOTAL RECEIVED
7/31/1984	ANDERSON , ROBERT L. HERCULES INCORPORATED	Y N	70.00	0	0	0	0	0	0	70.00
7/31/1984	CROWLEY , W. I. ROCKWELL INTERNATIONAL	Y N		0	0	0	0	0	0	
6/28/1984	DOYAL , FRANK H. AVCO AEROSTRUCTURES DIVISION	Y N		0	0	0	0	0	0	
7/18/1984	JAMES , ARTHUR M. LOCKHEED-CALIFORNIA COMPANY	Y N	70.00	0	0	23	0	0	0	93.00
7/16/1984	KLOTZSCHE , MAX DOUGLAS AIRCRAFT COMPANY	Y N	70.00	0	0	0	0	0	0	70.00
6/29/1984	MCMAHON , PAUL E. CELANESE CORPORATION	Y N	70.00	0	0	0	0	0	0	70.00
7/10/1984	RANDOLPH , ROBERT E. HERCULES INCORPORATED	Y N	70.00	0	0	0	0	0	0	70.00
7/23/1984	SJOSTEDT , ROB GOLDWORTHY ENGINEERING INCORPORATED	Y N	70.00	0	1	0	0	0	0	70.00
7/13/1984	WARD , J. P. ROHR INDUSTRIES, INCORPORATED	Y N	70.00	0	0	0	0	0	0	70.00

LSAST-1984 CONFERENCE REGISTRATION REPORT
==

NAME	TITLE	
COMPANY	CITIZENSHIP	
STREET	CITY	STATE
BUILDING OR MISCELLANEOUS	ZIP CODE	SPEAKER
AREA CODE PHONE NUMBER EXTENSION ENTRY DATE	REG. FEE DINNER FEE	TOTAL

ABOIM   , DR. CARLOS A.
ANCO ENGINEERS   BRAZILIAN
9937 JEFFERSON AVE   CULVER CITY   CA
                                            90230   N
213   204-5050   12/ 4/1984   20.00   14.00   34.00

ACHARD   , ROBERT T.
U.S. AIR FORCE
AFWAL/FIBCB   WRGHT PAT AFB   OH
                                            45433   N
513   255-2582   10/29/1984

AGNEW   , DONALD L. (DON)
EASTMAN KODAK COMPANY
121 LINCOLN AVENUE   ROCHESTER   NY
R/E, DEPT. 394, 2-4 LP   14650   N
716   724-5377   11/20/1984   20.00   14.00   34.00

AGRAWAL   , DR. J.
INTELSAT
490 L'ENFANT PLAZA SW   WASHINGTON   DC
                                            20024   Y
      0   8/31/1984

AYIN   , DR. D. L.
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
77 MASSACHUSETTS AVENUE   CAMBRIDGE   MA
MAIL CODE 33-407   02139   Y
617   253-3626   8/31/1984   20.00   20.00

LSAST-1984 CONFERENCE ATTENDEE LIST

ALLEN   , CHERYL L.

NASA LANGLEY RESEARCH CENTER
MAIL STOP 364

HAMPTON   VA   23665
804 865-3666

ANDREWS   , ROBERT

HARRIS CORPORATION, GASD

MELBOURNE   FL
   0

ASHLEY   , PROFESSOR HOLT

STANFORD UNIVERSITY
DURAND BUILDING, ROOM 369
DEPT. OF AERONAUTICS & ASTRONAUTICS
STANFORD   CA   94305
415 497-4136

AUSTIN   , FRED

GRUMMAN AEROSPACE CORP.
MAIL CODE A07-25

BETHPAGE   NY   11714
516 575-5073

BRUNNER   , GARY D.

GOODYEAR AEROSPACE CORPORATION
BUILDING 4H

LITCHFIELD PR AR   85340-0085
602 932-7512

LSAST-1984 CONFERENCE SIGN-IN SHEET
DECEMBER 6, 1984

NAME / ORGANIZATION   SIGNATURE / CITIZENSHIP

ABOIM   , DR. CARLOS A.   ---------------------------
ANCO ENGINEERS   ---------------------------

ACHARD   , ROBERT T.   ---------------------------
U.S. AIR FORCE   ---------------------------

AGNEW   , DONALD L. (DON)   ---------------------------
EASTMAN KODAK COMPANY   ---------------------------

AGRAWAL   , DR. J.   ---------------------------
INTELSAT   ---------------------------

AKIN   , DR. D. L.   ---------------------------
MASSACHUSETTS INSTITUTE OF TECHNOLOGY   ---------------------------

AKLE   , W.   ---------------------------
TRW   ---------------------------

ALFF   , WILLIAM   ---------------------------
LOCKHEED MISSILES & SPACE COMPANY   ---------------------------

ALLEN   , BIBB B.   ---------------------------
HARRIS CORPORATION, GASD   ---------------------------

AMOS   , DR. ANTHONY K.   ---------------------------
AIR FORCE OFFICE OF SCIENTIFIC RES.   ---------------------------

ANDREAS   , ROBERT J.   ---------------------------
HARRIS CORPORATION, GASD   ---------------------------

ANDREWS   , ROBERT   ---------------------------
HARRIS CORPORATION, GASD   ---------------------------

ARAYA   , ROBERTO   ---------------------------
UCLA   ---------------------------

LSAST SIGN-IN SHEET

LSAST-1984 CONFERENCE REGISTRATION REPORT
===

NAME	TITLE	
COMPANY	CITIZENSHIP	
STREET	CITY	STATE
BUILDING OR MISCELLANEOUS	ZIP CODE	SPEAKER
AREA CODE PHONE NUMBER EXTENSION ENTRY DATE	REG. FEE DINNER FEE	TOTAL

SUITE 800	22209	N
703 558-7900 11/20/1984	20.00	20.00

MCGOOGAN   , JOSEPH T.
WALLOPS FLIGHT FACILITY

                                          WALLOPS ISLE , VA
MAIL CODE 970.W   23337   Y
    0   8/31/1984

PARSONS   , CHESTER L.
WALLOPS FLIGHT FACILITY

                                          WALLOPS ISLE , VA
                                          23337   Y
    0   11/26/1984

                                          --------   --------   ----------
WALLOPS FLIGHT FACILITY   0.00   0.00   0.00

TAMMA   , DR. K.
WEST VIRGINIA UNIVERSITY
P.O. BOX 6101   MORGANTOWN   , WV
DEPT. OF MECHANICAL & AEROSPACE ENG.   26506   N
304   293-4111   12/18/1984
                                          =======   =======   =========
                                          3960.00   2030.00   5,994.00

ABOIM   , DR. CARLOS A.
ANCO ENGINEERS

ACHARD   , ROBERT T.
U.S. AIR FORCE

ADAMS   , RICHARD R.
NASA LANGLEY RESEARCH CENTER

ADELMAN   , HOWARD M.
NASA LANGLEY RESEARCH CENTER

AGNEW   , DONALD L. (DON)
EASTMAN KODAK COMPANY

AGRAWAL   , DR. J.
INTELSAT

AKIN   , DR. D. L.
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

AKLE   , W.
TRW

ALFF   , WILLIAM
LOCKHEED MISSILES & SPACE COMPANY

ALLEN   , BIBB B.
HARRIS CORPORATION, GASD

ALLEN   , CHERYL L.
NASA LANGLEY RESEARCH CENTER

ALLEN, JR.   , JOHN L.
NASA LANGLEY RESEARCH CENTER

AMOS   , DR. ANTHONY K.
AIR FORCE OFFICE OF SCIENTIFIC RES.

ANDERSON   , DR. MELVIN S.
NASA LANGLEY RESEARCH CENTER

ANDERSON   , DR. WILLARD W.

ERBE PROJECT LAUNCH REGISTRATION
==================================

NAME COMPANY STREET CITY	TITLE STATE ZIP
Freeman Klate Holt 2658 N. Armlstead Ave. Hampton	VA 23666
LYON , JUD THE HOWLAND COMPANY INCORPORATED	
Adelson TRW - DSSG Ono Spuce Park Redondo Beach	CA 90278
JEANS , J. R. U.S. GOVERNMENT	
SCHMID , PAUL E. U.S. GOVERNMENT	
SHIELDS , DAVID U.S. GOVERNMENT	

ERBE REGISTRATION LIST

1-1

Adelson

TRW - DSSG
One Space Park
Redondo Beach   CA   90278
   0

CAMPBELL   , BRUCE

ASTRO RESEARCH CORPORATION

   0

Freeman
Supervisor
Klate Holt
2658 N. Armistead Ave.
Hampton   VA   23666
804   838-7619

HEDGEPETH   , JOHN M.

ASTRO RESEARCH CORPORATION

   0

JEANS   , J. R.

U.S. GOVERNMENT

   0

ERBE MAILING OR CONFERENCE LIST

ERBE LAUNCH SIGN-IN SHEET

NAME AND ORGANIZATION	CITIZENSHIP	SIGNATURE
Adelson TRW - DSSG	-----------	---------------------
CAMPBELL , BRUCE ASTRO RESEARCH CORPORATION	-----------	---------------------
Freeman Klate Holt	-----------	---------------------
HEDGEPETH , JOHN M. ASTRO RESEARCH CORPORATION	-----------	---------------------
JEANS , J. R. U.S. GOVERNMENT	-----------	---------------------
LYON , JUD THE HOWLAND COMPANY INCORPORATED	-----------	---------------------
RANSOM , JAMES AEROSPACE CORPORATION	-----------	---------------------
SCHMID , PAUL E. U.S. GOVERNMENT	-----------	---------------------
SHIELDS , DAVID U.S. GOVERNMENT	-----------	---------------------
STIEBER , MICHAEL E. COMMUNICATION RESEARCH CORPORATION	-----------	---------------------
SUSSMAN , JERRY U.S. GOVERNMENT	-----------	---------------------
TOLLISON , DANNY K. CONTROL DYNAMICS COMPANY	-----------	---------------------

ERBE SIGN-IN SHEET

End of Document