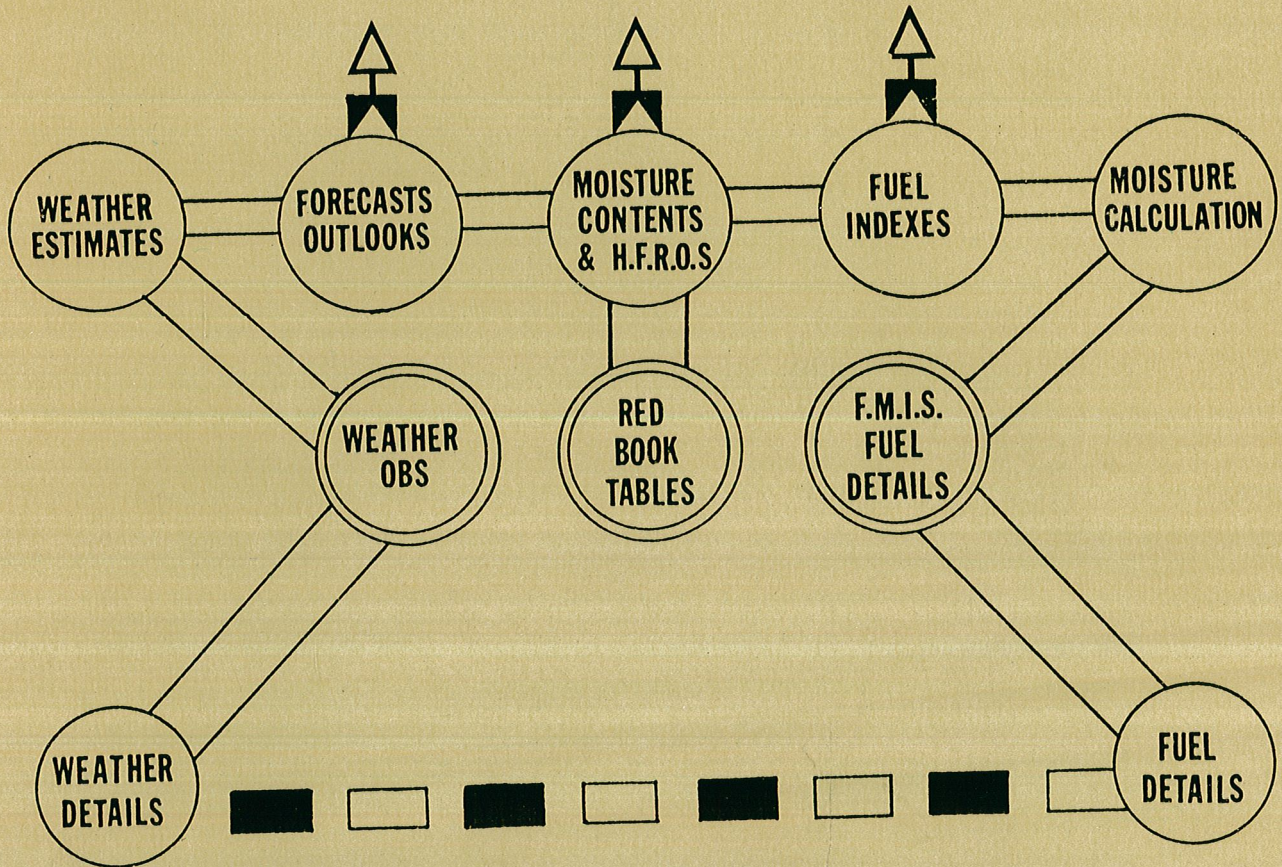
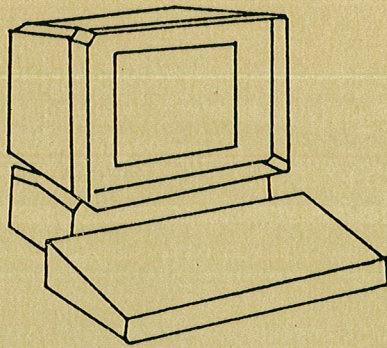


# Fire Behaviour System User Manual



This manual contains -

A. Using reliance

B. Using the Fire Behaviour System

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Page

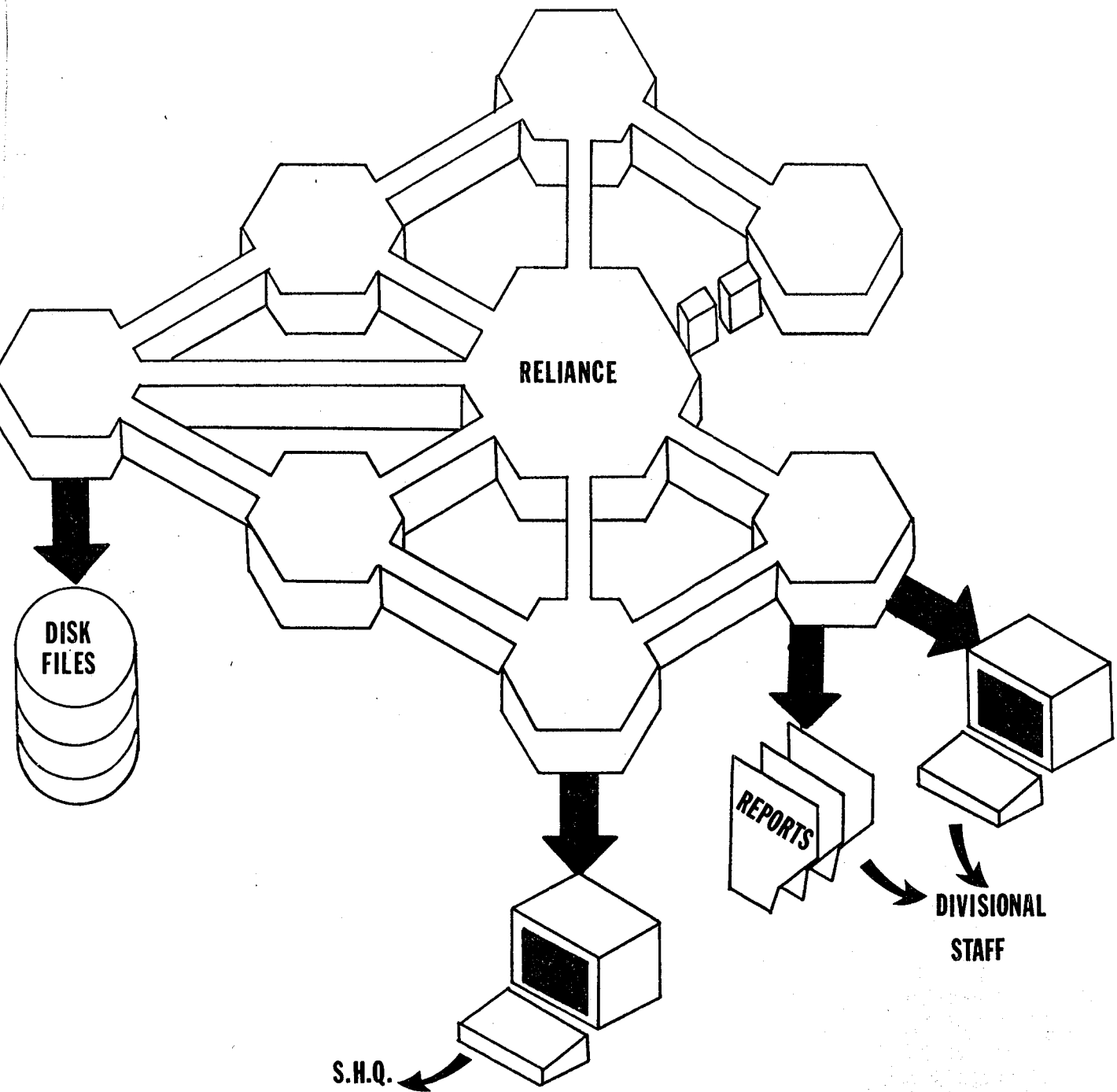
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A. USING RELIANCE



CONTENTS

1. INTRODUCTION TO RELIANCE.
2. USING THE COMPUTER.
3. INITIAL SCREENS.

## 1. INTRODUCTION TO RELIANCE

RELIANCE is a powerful suite of programs which runs on the PERKIN-ELMER computer in S.H.Q. The main advantages of the RELIANCE are that it:

- (a) is based on using a menu-style approach, which gives the user a range of choices;
- (b) has within its framework most of the necessary components of a modern, comprehensive software package. This allows both the user and data processing professional a range of useful upgrade paths to select, which can all be invoked relatively easily, compared to the more traditional approaches of MTM (Multi-Terminal Monitor).

These options include:

- (i) fully integrated file handling
- (ii) a dictionary of all items of storage
- (iii) developing new screens for different requirements of each user
- (iv) running jobs either on-line or batch
- (v) useful function keys on all Perkin-Elmer terminals
- (vi) complete support of PERKIN-ELMER staff.
- (vii) easy to use HELP facility available

The Forests Department has successfully implemented a range of application programs for varying users. These programs include:

GENERAL LEDGER, PINE LOGGING, SUNDRY DEBTORS, TRAINING, PHONE SYSTEM, PUBLICATIONS AND LABEL SYSTEM, PLANT, RECORDS, RESEARCH WORKING PLANS and FIRE BEHAVIOUR SYSTEM.

Currently under development are the HARDWOOD LOGGING, SEED STORE and SAFETY STATISTICS systems. All the above systems, which have been running on the computer for 12 months, have minimal problems and have general approval from a range of users.

Using RELIANCE does not mean using a computer is a breeze, however it does mean many of the problems associated with using MTM simply disappear.

## 2. USING THE COMPUTER

### Description

The terminal has a keyboard similar to a typewriter, with a TV screen in a cabinet behind it. The printer is usually located near the terminal and has paper feeding into and out of its cabinet.

### 2.1 Keyboard

If you have a look at the keyboard, you will notice a few differences between it and a standard typewriter keyboard:

2.1.1 RETURN key (blue key on the lower right hand side of the board).

At the end of every line you type in, you must press the RETURN key. This will send what you have typed in up to the computer

2.1.2 FUNCTION keys (row of twelve blue keys across the top

of the keyboard).

These keys have instructions 'pre-recorded' on them (mostly program callsigns) to save having to type in the whole instruction; all you do is press the desired function key. (No need to press RETURN key when using function keys - RETURN is automatic).

Each function key has two different 'pre-recorded' instructions stored on them with a tag over the keys to say which key is which. You can use whatever is stored on function keys 1 to 12 (F1 to F12 for short) by just pressing the appropriate key; however you must press the SHIFT key at the same time as the appropriate key to use what is stored on F17 to F28.

\*N.B.

Function key F1 will always, under RELIANCE, take you back one level.

Function key F2 will wipe you out of RELIANCE completely.

### 2.1.3 BACK-SPACE key (blue key on upper right-hand side of the keyboard).

If you are typing in a line and you make a mistake, use the BACK-SPACE key to move the "cursor" (blinking white square that shows you where you are up to) back to where you made the error - correct it - then type in the rest of the line again. You can also use the cursor buttons to control the direction of the cursor.

## 2.2 Screen

The brightness of the screen may be adjusted using the knob at the bottom right-hand corner of the screen cabinet.

## 2.3 Switching On

### 2.3.1 Terminal

The power switch is located at the rear of the screen cabinet on the lower left-hand side as you face the screen.

### 2.3.2 Printer

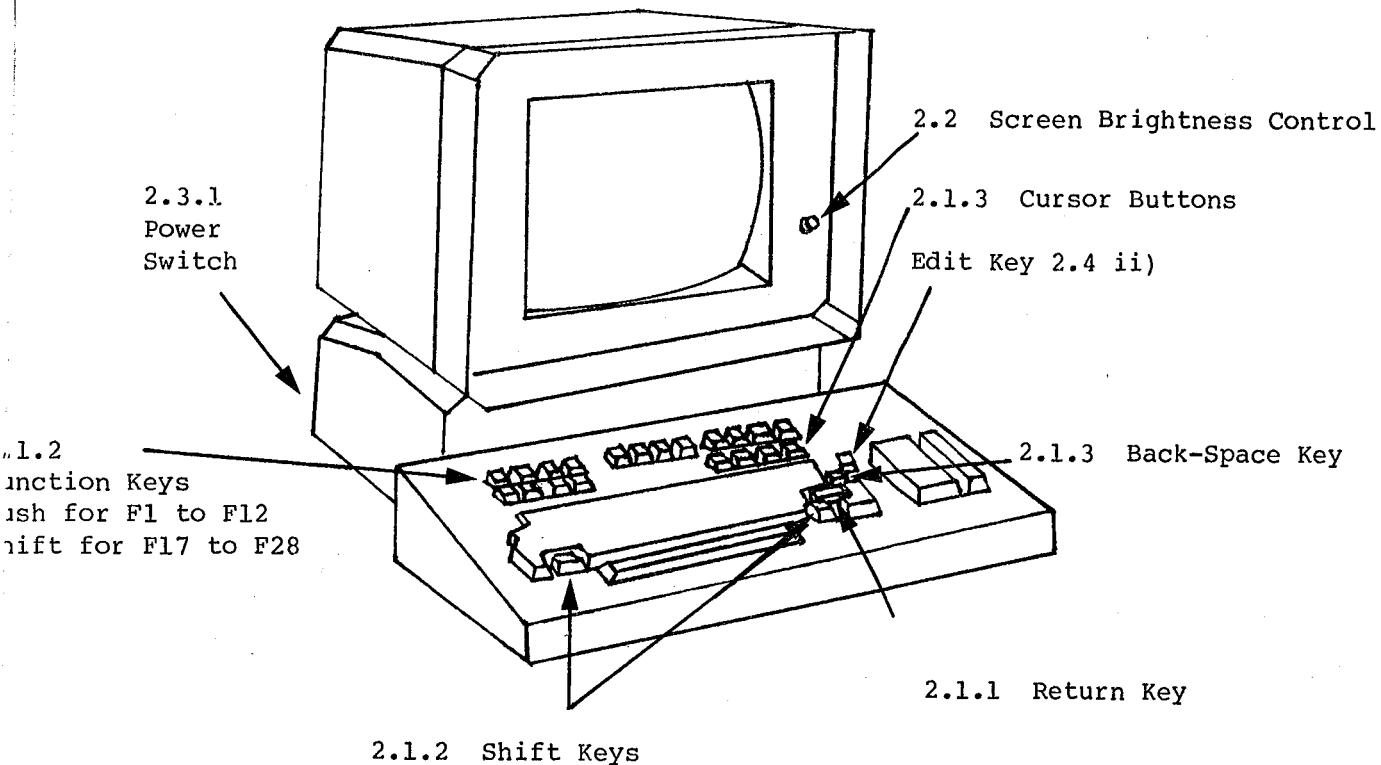
The power switch is located at the rear of the machine, upper left-hand side as you face the front of the printer.

## 2.4 To Print a Screen

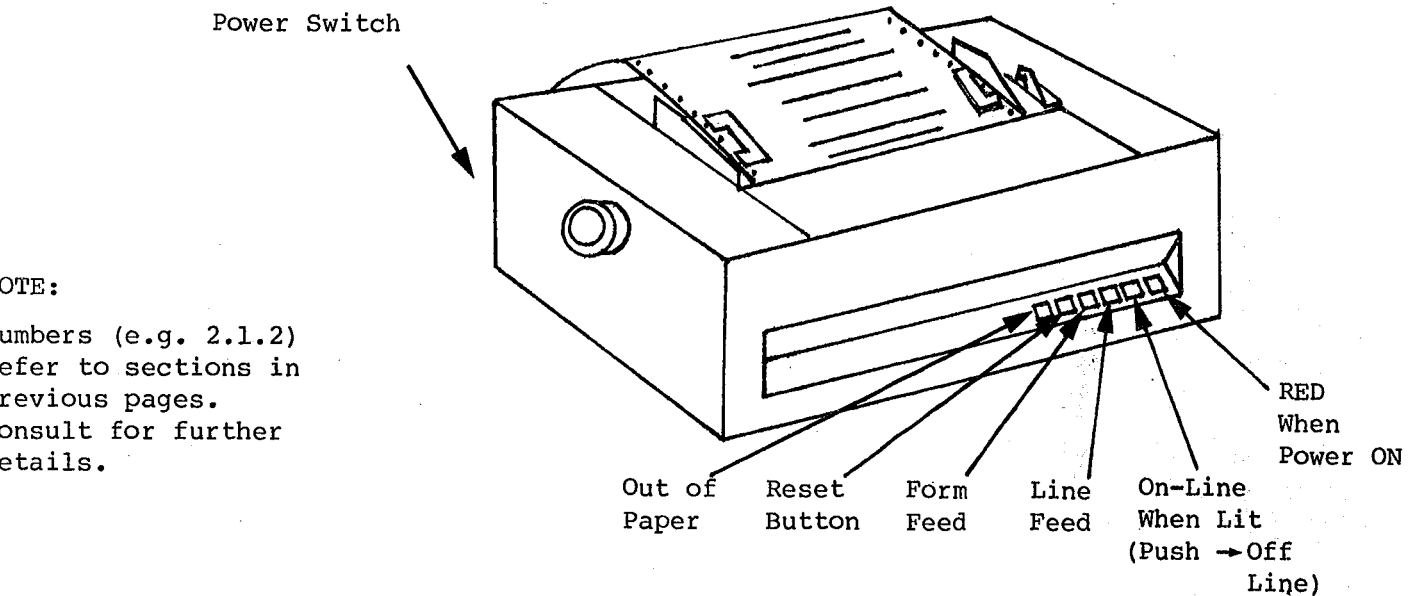
To print out on paper what is currently on the screen:

- i) Turn on the printer (press RESET button on front of printer if necessary).
- ii) Press EDIT key (black key on upper right-hand corner of the keyboard).  
Terminal should beep when you press this key.
- iii) Press function key F5 (has a 'P' on top), printer should begin to print at this point.
- iv) Press EDIT key again when you're finished to get out of the edit mode (terminal will not beep this time).

TYPICAL TERMINAL



TYPICAL PRINTER





3. INITIAL SCREENS

Screens appear in the following order when you turn the computer on:

3.1 Screen 1

Copyright The Perkin-Elmer Corporation 1982. All rights reserved.

. . . . .  
. ENVIRONMENT CONTROL MONITOR .  
. . . . .

To use the local computer system...  
for MTM enter: MTM  
for Reliance enter: RELIANCE identifier

To use a remote computer system via PENnet...  
for MTM enter: MTM (system name)  
for Reliance enter: RELIANCE identifier (system name)  
... and then press RETURN

To this screen you need merely type in REL to enter Reliance.

3.2 Screen 2

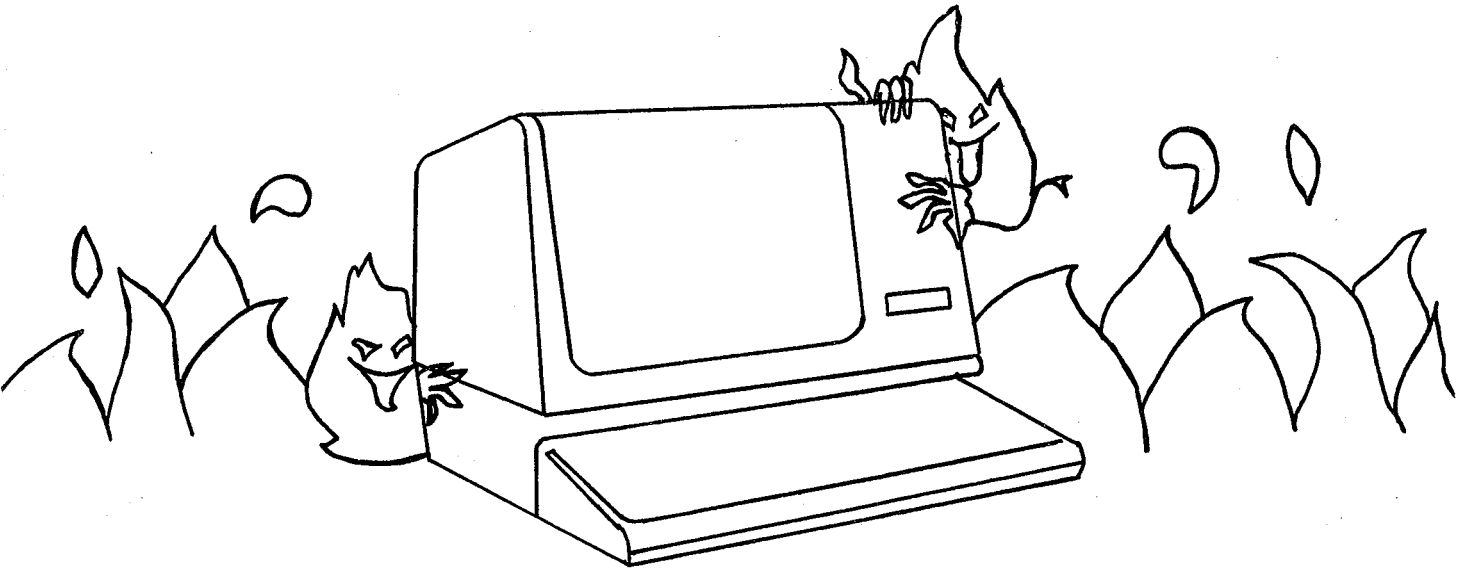
F O R E S T S D E P A R T M E N T  
R E L I A N C E S Y S T E M  
S I G N O N S C R E E N  
\* \* \* P R O D U C T I O N E N V I R O N M E N T \* \* \*  
ENTER USER IDENTIFIER (ID.) -----  
ENTER USER PASSWORD  
TO EXIT TO E.C.M. PRESS F2  
OR ENTER EX & PRESS SEND.  
FOR HELP ENTER HE & PRESS  
SEND. --

To this screen you need only type in your RELIANCE user ID.  
and password, which should be on a Function Key.

3.3 Screen 3

SYSTEM	CODE	SYSTEM	CODE	SECURITY
GENERAL LEDGER	AA	TELEPHONE	AI	
PINE LOGGING	AB	TRAINING COURSES	AJ	
SUNDRY DEBTORS	AC	RECORDS	AK	
LABELS	AD	GENERAL LEDGER ENQUIRIES	AL	
PLANT	AE	PINE LOGGING ESTIMATES	AM	
INFORMATION	AF	PUBLICATIONS	AN	
1984/85 BUDGETS	AH	FIRE BEHAVIOUR	AP	
		SELECTION		

To this screen you need type in a 2 character selection. Typing in **AP** would bring up the Fire Behaviour menu.

B. USING THE FIRE BEHAVIOUR SYSTEM

The Fire Behaviour system is a suite of programs developed jointly by Protection Branch and Computer Services and produced for the benefit of Forests Department Divisional staff during the fire season.

CONTENTS

1. INITIAL SCREENS
2. DAILY MAINTENANCE
  - 2.1 Breakdown of Daily Procedures
3. SEASONAL MAINTENANCE
4. IRREGULAR MAINTENANCE
5. SYSTEM PROBLEMS

1. INITIAL SCREENS

This is the first screen one sees in the Fire Behaviour System and is the means which offers the user a range of choices to enter:

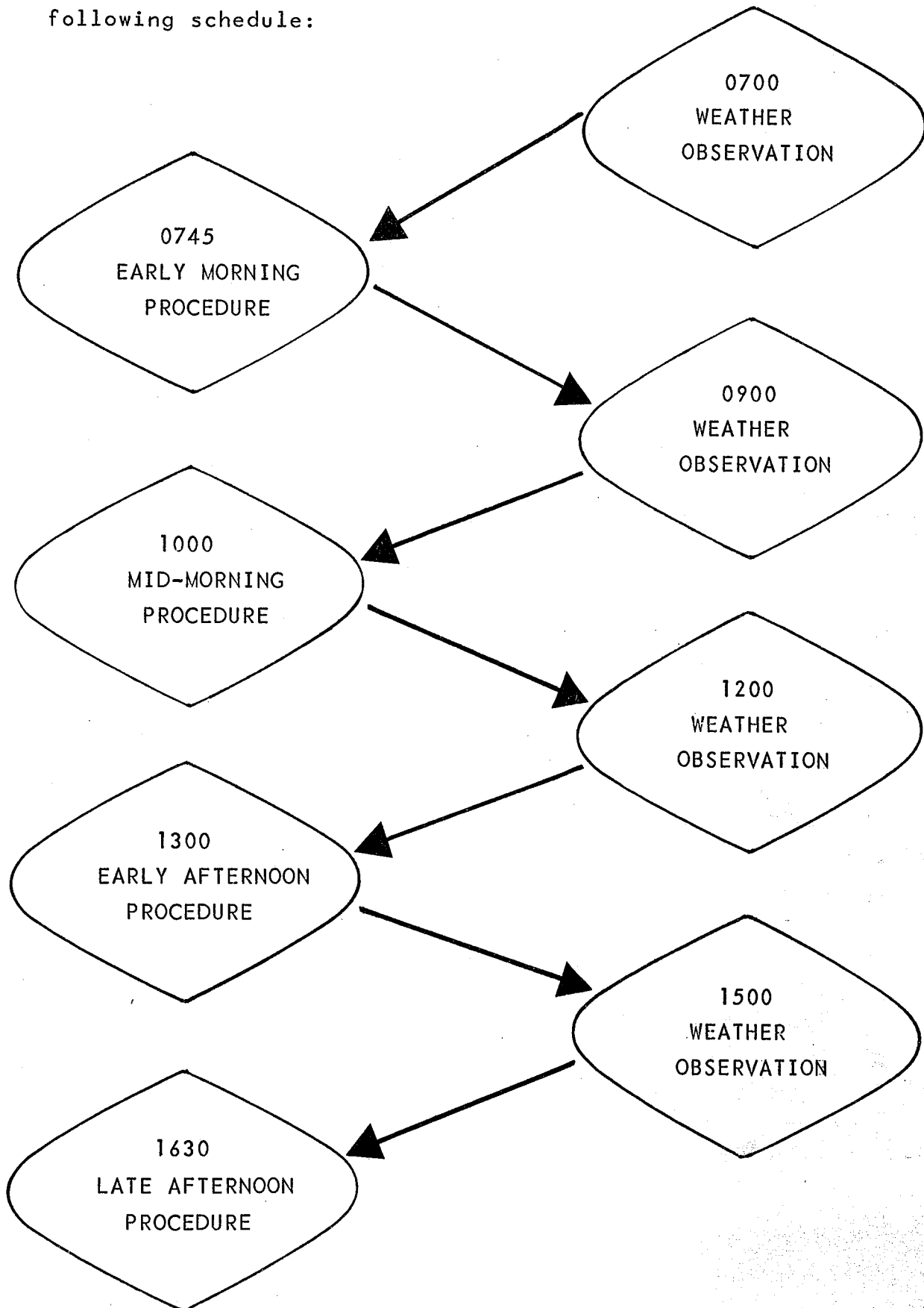
## \* \* \* FIRE BEHAVIOUR SYSTEM \* \* \*

TRANSACTION TYPE	CODE	TRANSACTION TYPE	CODE
DAILY OPERATIONS		AD HOC OPERATIONS	
WEATHER OBS. MAINTENANCE	1	SEASONAL MAINTENANCE	7
EARLY MORNING PROCEDURE	2	IRREGULAR MAINTENANCE	8
MID MORNING PROCEDURE	3		
EARLY AFTERNOON PROCEDURE	4		
LATE AFTERNOON PROCEDURE	5		
BREAKDOWN OF DAILY PROCEDURES	6	F1 = EXIT AND F2 = E.C.M.	
		SELECTION (HE=HELP)	--

Usually Divisional staff need only be concerned about daily operations (see pages 10-11). However seasonal maintenance (see page 12) should be entered at the start of the fire season. Irregular maintenance (see page 13) is only done on an ad hoc basis to supplement the information produced by the daily operations.

2. DAILY OPERATIONS

Most Divisional staff needs to use the system based on the following schedule:

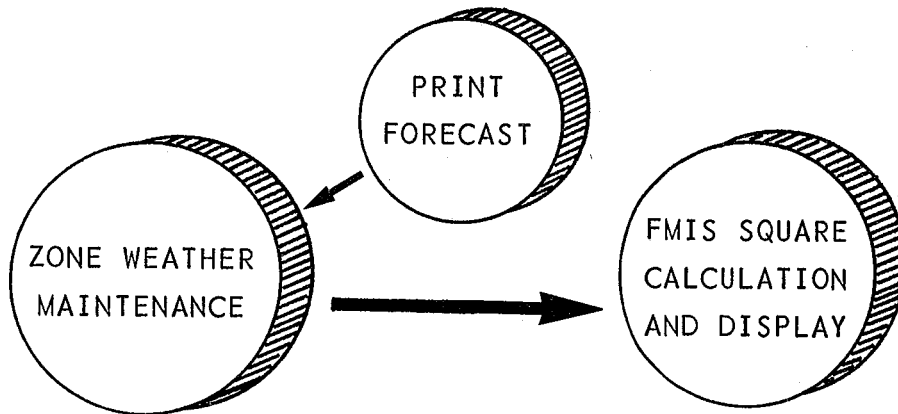




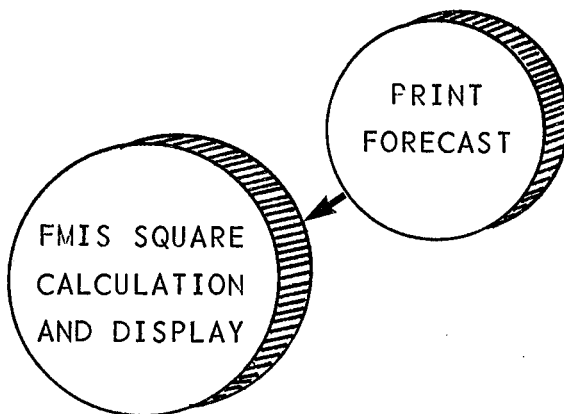
## 2.1 Breakdown of Daily Procedures

Each procedure is broken into a number of parts, each of which can be run individually:

### EARLY MORNING PROCEDURE



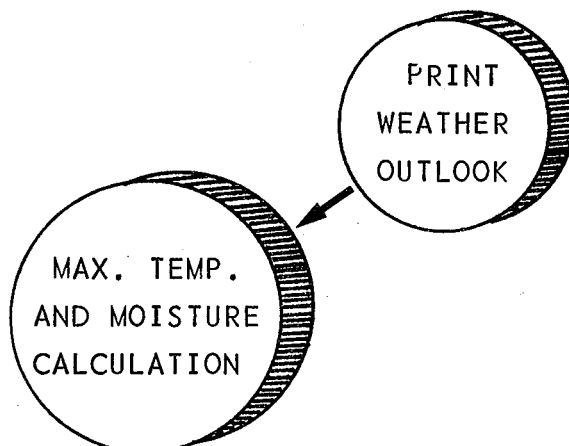
### MID-MORNING PROCEDURE



### EARLY AFTERNOON PROCEDURE

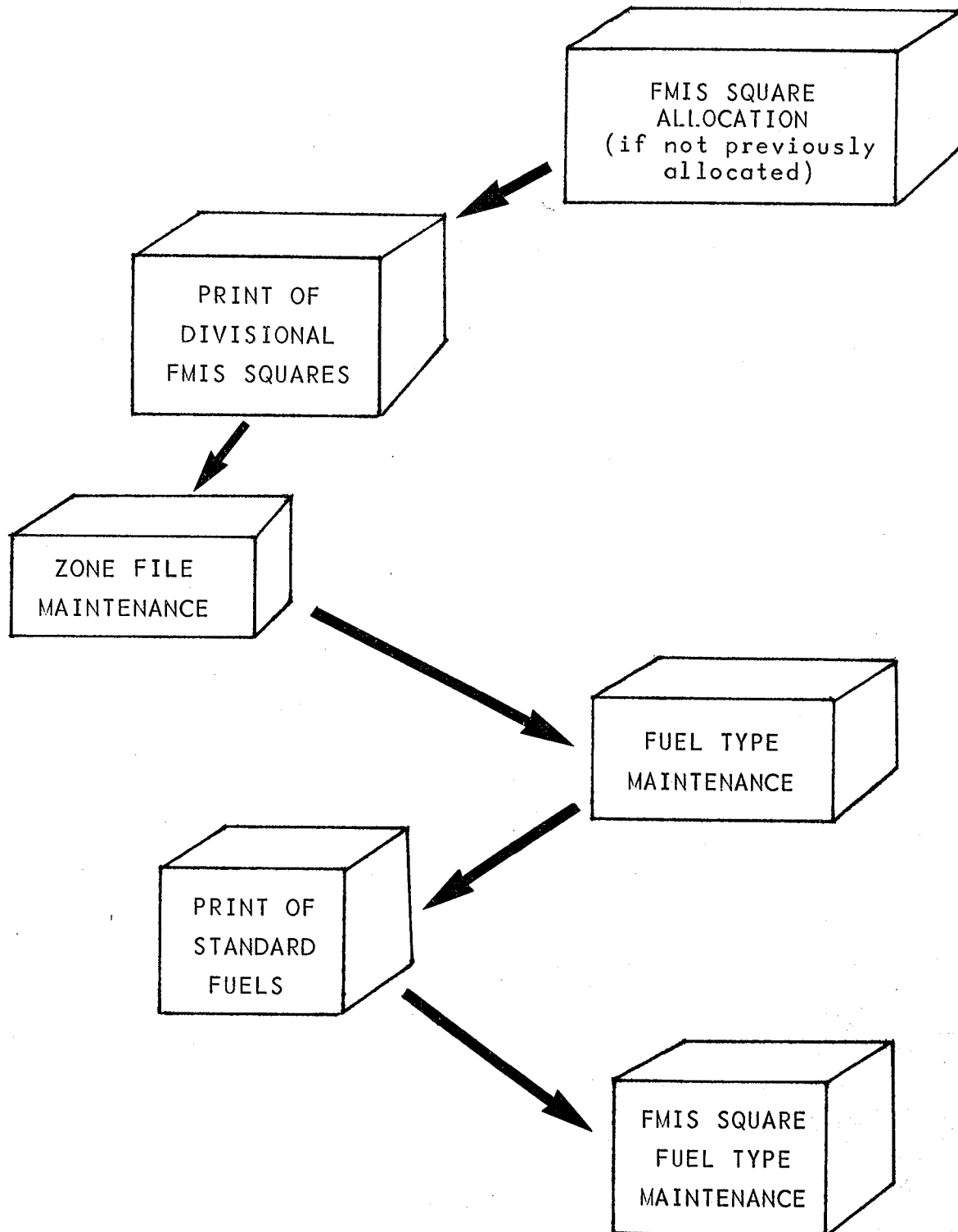


### LATE AFTERNOON PROCEDURE



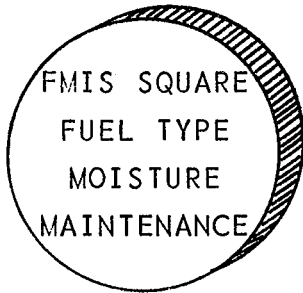
3. SEASONAL MAINTENANCE

Before the start of each fire season staff need to follow the schedule below where appropriate:



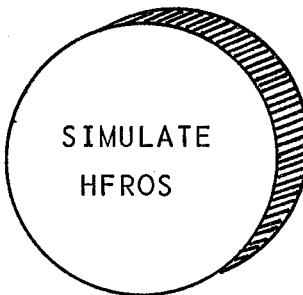
4. IRREGULAR MAINTENANCE

During the fire season staff may have the need to supplement the information produced by the daily maintenance aspect of the system. The following programs have been made available for your use as you wish:



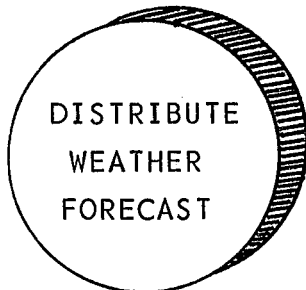
used for

Entering and updating S.M.C. & P.M.C. values & fuel type onto the block file. This enables A.F.F. for each fuel type within any particular FMIS square to be used in calculating H.F.R.O.S.



used to

Determine a HFROS for any area by first calculating the moisture content based on yesterday's minimum S.M.C. for standard fuel types & forecast weather in the given zone.



used to

Distribute the daily area forecast and amendments to weather zones for use by Divisions.



used to

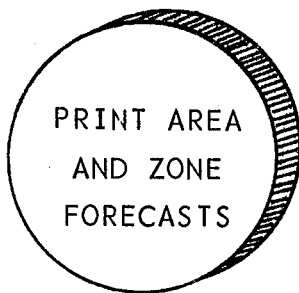
Create, delete and alter zone file, e.g. change location and/or name of zone. Also change season from spring to autumn.

4. Irregular Maintenance (continued)



used to

Add or delete a weather observation point. Largely used by Divisions at start of fire season.



used to

Give Area and Zone forecasts on the screen. The user can then print the screen, using the standard print procedure.

5. TERMINAL AVAILABILITY

The Fire Behaviour System will be available 24 hours a day,  
7 days a week - EXCEPT for the following periods:

MONDAY - TUESDAY - WEDNESDAY between 1715 - 2000 hours  
THURSDAY - FRIDAY between 1830 - 2000 hours

During these times the machine goes down for backups of data files, which is necessary to secure information.

6. TERMINAL PROBLEMS

Any problem with terminal malfunctioning can be reported to:

Computer Services Operations Staff, S.H.Q., Extensions 232 & 274.

Weekdays

Glyn or Julie will be on site from 0700 - 2000 hours.

Weekends and Public Holidays

Revert to Manual System.

7. FIRE BEHAVIOUR SYSTEM PROBLEMS

Weekdays

When system fails to give you correct information, or some unusual message appears on the screen, contact Protection S.H.Q.  
Jean - 299 or Wendy 349.

Weekends and Public Holidays

Revert to Manual System.



8. TERMINAL AND SYSTEM PROBLEMS - TIME REQUIRED FOR SOLUTION

Problems will be fixed in as short a time as is feasible. When the problem isn't fixed immediately, you can be assured a solution is being worked out and you will be informed of the outcome as soon as possible.