

To: Lisa Users  
From: Rich Page  
Date: September 23, 1982  
Subj: Monitor Release 11.2

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## Overview

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The changes in this release are as follows:

- 1) Lisabug now provides the facility to time (and count) portions of a program.
- 2) The Drivers have been modified to support the microsecond timer needed by Lisabug.
- 3) The A(pple command in sysmgr has been improved.
- 4) The O(kff command with the reboot option has been modified in the Sysmgr.

## Disk

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R11.2:

MON.LOADER	10	1-Sep-82	6	512	Datafile
CONFIG.DATA	1	22-Sep-82	16	512	Datafile
BOOTFILES.DATA	1	13-Aug-82	17	512	Datafile
LISABUG.OBJ	64	23-Sep-82	18	512	Datafile
LISABUG2.OBJ	25	22-Sep-82	82	512	Datafile
DRIVERS.OBJ	18	24-Sep-82	107	512	Datafile
MS.OBJ	4	20-Aug-82	124	512	Datafile
UARTDRVR.OBJ	2	23-Apr-82	128	512	Datafile
LOADER.OBJ	25	21-May-82	130	512	Datafile
TWGDRVR7.OBJ	3	13-Aug-82	155	512	Datafile
MONITOR.OBJ	35	22-Sep-82	158	512	Datafile
MONITOR.SYMBOLS	11	1-Sep-82	193	512	Datafile
MON.MISCINFO	1	12-Jun-80	204	192	Datafile
MON.STARTUP	4	8-Oct-81	205	512	Textfile
MONSTART1.OBJ	3	4-Jun-81	209	512	Datafile
SYSMGR.OBJ	37	23-Sep-82	212	512	Datafile
FILER.OBJ	123	22-Jul-82	249	512	Datafile
FORMATTER.OBJ	15	14-Aug-82	372	512	Datafile

## Lisabug

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Lisabug allows the user to create up to 10 timing buckets. Using the microsecond timer in Drivers, time is accumulated in each bucket and is saved along with a count of the number of times the bucket was entered.

The typical sequence would be as follows:

- 1) Enter the debugger for a given process and create one or more timing buckets (with the TB command).
- 2) Set a break point to stop execution at some point.
- 3) Go.
- 4) When the breakpoint is reached print the timing summary (with the PT command).
- 5) Use the End Timing command to remove all buckets.

The new commands are as follows:

BT expr

The Begin Timing specifies the process number. If the Begin Timing command is not given the current process is assumed. A process number of zero can be used to indicate domain 0.

TB addr1 addr2

A Timing Bucket is created from addr1 to addr2.

PT

Print Timing summary. There are five columns printed as follows:

- 1) Bucket number
- 2) Total time in this bucket
- 3) Number of times this bucket was entered
- 4) Starting address for this bucket
- 5) Ending address for this bucket

ET

End Timing prints the timing summary and removes all of the timing buckets.

KB expr

Kill Bucket can be used to remove a single bucket.

RT

Reset Times will reset the timing and count tables leaving the current definition of the buckets intact.

NOTES:

- 1) All addresses are in the same process.
- 2) The process number is defined by either the BT command or the first TB, PT, KB or RT command. If the process number is not given in the BT command the current process is assumed.

Sysmgr

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The Sysmgr has been modified so that the connection with the Apple is more reliable. To establish the

connection with the Apple do the following:

- 1) Type 'A'
- 2) Type 'Y'
- 3) Boot the Apple with either  
the WAKEUP disk or  
a Monitor boot disk and type A
- 4) After the Apple is booted type <CR>

The Sysmgr has been modified such that if you turn off your machine with the reboot option without the date/time set, the Sysmgr will no longer start the clock for you. This means that if the clock is not set your machine will not automatically reboot.