

Jasik Designs

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March 17, 1994

Dear Mac II Nosy/Debugger User,

Enclosed is the latest release of *The Debugger V2/94* and *MacNosy* and some accompanying notes on them. **This release is (one) complete, and (two) a replacement for any previous version.**

For those of you who purchased *The Debugger* prior to December 1, 1993, this is your last free update. To receive updates and support in 1994, fill out the enclosed invoice and return it to me before June 1, 1994 with authorization to bill your credit card or a check for \$130 (payable to a US Bank). You can simplify my life by using e-mail to send in your update fees.

The 3/16/94 version of *The Debugger* is now the 'Reference version' for patches that I will be uploading to AppleLink and Internet. Send in your update fees so you get them.

Tech Support for *The Debugger* is available via phone, Applelink (D1037), or CompuServe (70277,776).

Site (multiple copy) Licenses are available through Jasik Designs. The pricing is \$225 per copy times the number of copies (programmers using the product) Plus sales tax and \$10 shipping.

General

Site Licensees - The floppy contains a stuffed copy of this cover letter in MS Word 4 format.

Is your address label correct?? Is *The Debugger/MacNosy* meeting your needs, if not complain to me.

INIT notes & Other incompatibilities

xDbgr_Startup **MUST** be placed in the Extensions folder on System 7.

DPI on the Fly - move to it to Extensions and make an Alias to it for use as a Control Panel.

DiskLocker's (*DiskLock*, etc) appear to foul up the operation of *The Debugger*.

MicroSoft Mail must load **after** *The Debugger*.

Do NOT use any form for 'Mr Bus Error', 'evenBetterBus error', etc., as it conflicts with *The Debugger*.

After Dark users should be using version 2.0V or later, it should load **after** *The Debugger*.

NOW utilities Startup Mgr - **disable the options:** 'protect screen from erasure' & 'display invisible INITs'

INIT_ADB is an INIT to activate the 'interrupt' (Command-power) key on the IIsi and Mac LC machines. It is in the folder: 'Misc INITs & Source'.

Retrospect Remote and *CCNotify* have been reported as incompatible with *The Debugger*.

Installation Procedure

This update is shipped as a Self Extracting Archive (.sea) file. Double click on it to unpack the files.

If you have MPW, then I strongly suggest that you use the 'Install Debugger' script .

To manually install *The Debugger*, do the following:

Copy the files in the "put files in System fldr" to your System folder. **You must do this step.**

Copy or create a ROM .snt for your machine (default in Dbgr/Nosy files is for a \$067C ROM (Mac IIci/IIfx, ...))

You must do this for AV and Power Macintoshes.

Boot the mac, and validate that the new version is operational.

If you are using Version 3 of MacApp, then merge the IBS mods into the IBS folder.

If you are using IBS, then reinstall it, using the IBS_Install script.

System Compatibility

The Debugger and *MacNosy* have been tested on Systems 6.0.5, 6.0.7, 7.0 , 7.0.1, 7.1, & 7.1.2.

Miscellaneous Notes

- You may now **change command key equivalents** in The Debugger via the '=Menu' command in the .dsi file. See the documentation in ROM.dsi for details. Now you can close windows with Cmd-W !!
- You may need to use **Set_Dbgr_Dir** if you are playing with **System 7.5**

Metrowerks DR2 patch files are on the disk.

Failure to install them will result in a bus error in The Debugger while it is reading the .SYM file.

PPC development - If at all possible, use Metrowerks

Apple's SDK suite of tools is slow and generates a poor quality .SYM file. (excessive type info, ...)

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But now, you can get a MacTech Magazine subscription bundled with CodeWarrior for the same price as everyone sells CodeWarrior alone. For more information, contact **MacTech Magazine** at 310/575-4343

New Features and Fixes, etc. (see the "Change History" file for a complete list)

The file 'Change Summary- 12/30 to 3/16/94' contains a summary of changes since the last update.

The "Change History" file contains a complete list of changes in chronological order.

MacApp 3.1 Object Inspector - Apple has included my mods into MacApp 3.1f1c1 and later versions. The mods to make it work on the Power Macs are in progress.

The Debugger now debugs PowerPC (Native mode) programs. Most debugger features are available.

Nosy does not know about PEF (Power Executable Format) libraries, but YADP does.

xDbgr_Startup - allows one to give The Debugger upto 5800K. This was done for ASLM users.

If you are debugging APPLications, 900K to 1500K should be sufficient.

PPCTraceEnabler goes in Extensions on Power Macs Only.

It is a bug fix version of the ProcessManagerSupport Library supplied by Apple.

Check out Adam Wildavsky's Leak detector for MacApp programs in the TTidyApplication folder.

- Source level debugging of ASLM (Apple Shared Library Mgr) V1.1 libraries is supported.

The INST1_Bkpt flag has no effect, but you may set breakpoints in a .dsi file.

You can debug Multi-seg Libraries. If the resource type to be debugged is NOT = 'code', then SYM file name must be of the form 'LibraryName.rrrr.SYM' where rrrr is the Resource type.

ASLM Tasks are deleted when all segments are unloaded.

- add DBG_SLM flag so you can conveniently turn debugging of ASLM code ON/OFF

Known Problems

- The text drawing routines put garbage on the user's screen when using Step Continuous.
- When doing a Shutdown on some PowerBook 170's one gets a spurious BusError in *The Debugger*.
- Attempting to set a breakpoint at an address > 16Meg that is not in a task will not work.
- Using MMU protection with programs built with Model FAR causes spurious errors, see DTN #7.
- Using the Think C Debugger in combination with *The Debugger* causes programs to stop at the end of The Debugger's patch to _LoadSeg as the TC Debugger sets LoadTrap (byte at \$12D).
- ***The Debugger* does not work with System 7 VM**
- Do not try to use a Syquest with the R45 INIT as a boot disk, *The Debugger* will screw up.

Future (Work in Progress) I will be working on the following for the next release (June 1994):

- Get the CD-ROM tutorial finished and shipped (YES, I really mean it!)
- Complete the debugger features for the PowerPC, etc.

Steve Jasik's top 5 reasons for doing a mailing on March 18th

Got tired of telling users that his Debugger & 'Ram Doubler' aren't compatible.

It was time to go public with features of The Debugger in Native mode.

Patch file got so big that it wouldn't fit on the release disk.

Son was home from college to help with stuffing envelopes, and licking stamps

It is that time of year (to bill the users)

Sincerely,

Steve Jasik **AppleLink: D1037 Compuserve ID: 76004,2067 Internet: macnosy@netcom.com**