

# MPW Differences: QR4—Final

## *Release Notes Supplement*

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### Product and Documentation Changes

- The MPW QR4 Release Notes document has a section named: “Important Features of this Disk—Read this...”. This section describes the purpose of the PQR4 folder and lists its contents. This information is not contained in the MPW 3.2 Release Notes.
- The MPW 3.2 Release Notes document has a section named: “Important Note for Users of The Debugger V2 & MacNosy.” This section gives instructions for patching the MPW Shell. In MPW QR4, this patch has been incorporated into the Shell, and the corresponding section of the document has been deleted.
- The MPW 3.2 Release Notes document has a section named “Erratum,” which describes an error in the file {MPW}PEXamples:TESampleGlue.a. This error has been corrected in QR4, and the corresponding section of the document has been deleted.
- Documentation was omitted in the MPW 3.2 Release Notes for a new option to `DumpObj`. The option is `-co`, and it causes the generation of disassembled code only. The MPW.Help files in QR4 and PQR4 include this option.

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### Fixed Bugs

The following bug fixes have been made since MPW 3.2. This information duplicates that in the MPW text file, “Fixed Bugs,” that can be found in the QR4 Notes folder. The items listed are the bugs themselves, not the fixes.

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### MPW Shell

- The MPW heap was fragmented at start-up.
- Markers were lost when editing files.
- Scripted calls for Copy, Clear, Cut, and Paste were significantly slowed down when files had large numbers of markers.

- A bus error would result from attempts to use the third-party products *The Debugger V2* & *MacNosy*.

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## Tools

- The `-v` option of `Choose` did not work.
- Under System 7, if `GetFileName` was running in the background and was then switched to the foreground following a prompt from the Notification Manager, the computer would lock up.
- `GetListItem` had a limit on the size of the item strings, and would on occasion cause a crash when the limit was exceeded.