

For release:

**IMMEDIATE**

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**ASHTON-TATE SHIPS MACINTOSH SOFTWARE UPDATES:  
Full Impact -- First Mac Spreadsheet with XCMD-like Capability  
FullWrite Professional-- Multi-lingual Dictionaries; Improved Performance**

SAN JOSE, Calif., March 22, 1989 -- Ashton-Tate Corporation (NASDAQ: TATE) today announced the release of Full Impact 1.1, a free upgrade that includes XMacro capabilities which allow users to add custom features, functions and commands to their Full Impact applications. By writing an XMacro developers and users can create resource programs that can be referenced by the Full Impact FullTalk macro language.

Simultaneously, the company announced FullWrite Professional 1.1, also a free update, that allows users to access foreign language dictionaries from within a document. Additionally, the company said the overall stability of FullWrite Professional has been greatly improved, especially with respect to the creation and editing of complex documents.

"The Full Impact XMacro capability opens new horizons to programmers and others who are building applications -- and all users will ultimately reap the benefits of custom functions," said Lane Freestone, senior product manager for Full Impact. "As an example of what can be accomplished, a company's portfolio manager could use an XMacro to access a modem, automatically dial up the Dow Jones Retrieval Service, search for information about specific stocks, perform a calculation on the stocks within Full Impact using a call-back routine, and then present the result in a predetermined range of cells in the spreadsheet."

XM macros are similar to Apple Computer, Inc.'s Hypercard XCMDs, but were developed specifically for Full Impact. XM macros appeal to both sophisticated and novice Full Impact users. For example, developers can create libraries of XM macros to add functionality to Full Impact, or create simple XM macros to customize the command keys on the menu bar. In addition, using the XMacro feature allows direct access to the Macintosh toolbox.

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"FullWrite Professional's ability to produce documents with rich annotation has been significantly expanded," said FullWrite Professional's Senior Product Manager Lee Lensky. "For example in version 1.0, there was a ceiling on the number of sidebars, footnotes, and index entries for a given document. In version 1.1, users will be able to input an unlimited number of entries in any document." Lensky added that this was done in response to the rapidly growing number of book authors who are using FullWrite Professional in their work. In addition, FullWrite users will soon be able to access foreign language dictionaries to check the spelling of foreign words or phrases at any time during editing.

### **1.1 Upgrade Details**

All Full Impact and FullWrite Professional registered users will automatically receive the 1.1 upgrades free of charge. If not registered, users can call (213) 329-9989 to register and order the upgrades.

The Full Impact 1.1 upgrade includes the XMacro feature with several sample files, source code in several development environments and languages that include all the necessary header and linking commands to quickly create XMacros, internationalization of the United States product, and other performance enhancements.

The FullWrite Professional 1.1 upgrade includes performance enhancements and multi-lingual capabilities which allow users to access foreign-language dictionaries in French, Italian, German, Swedish, Dutch and Spanish. The dictionaries, once installed, can be accessed through a "preferences" menu item called multi-lingual dictionary. The upcoming standalone dictionaries will include spell-checker, hyphenation and thesaurus (where available). The dictionaries will be available later this year directly from Ashton-Tate. The suggested retail price and how to order the dictionaries are to be announced.

### **Full Impact**

Full Impact is Ashton-Tate's full-featured, multi-function spreadsheet product that combines power and superior presentation/business report capabilities to take advantage of the Macintosh design philosophy. A product for the new generation of Macintosh systems, Full Impact solidifies Ashton-Tate's position as a premiere supplier of software for the Macintosh marketplace and underscores its commitment to the Macintosh as a new corporate microcomputing standard.

Combining analytical power with optimum presentation and business report capabilities, Full Impact maximizes the standard Macintosh graphic interface. The "presentation spreadsheet" includes a text processor to create paragraphs as large as one page, superior formatting and graphics capabilities, extensive macro language support, and a wide range of import/export capabilities. The product's suggested retail price is \$395, and is available at Ashton-Tate's 5,550 authorized dealers in the U.S. and Canada.

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### **FullWrite Professional**

FullWrite Professional is the first second-generation word processor designed to take advantage of the latest Macintosh architecture. It offers real-time WYSIWYG (what-you-see-is-what-you-get) editing, page layout and graphic design and import capabilities.

The product guides users through the entire document creation process, from initial concept through the printed page. "Document integrated outlining," which automatically updates an outline as a document evolves, helps during the brainstorming stage to structure documents. Page layout features with a built-in draw environment enables users create graphics as they write and automatically wrap text around them. Sophisticated group productivity features allow members of work groups to write posted notes for comments to each other within documents. FullWrite Professional's suggested retail price is \$395.

### **Macintosh Division**

Ashton-Tate's Macintosh Division develops and markets business applications software for Apple Computer, Inc.'s Macintosh family of personal computers. Product offerings include FullWrite Professional, a state-of-the-art word processor; Full Impact, a second-generation presentation spreadsheet; dBASE Mac, a complete relational database management system; and FullPaint, a drawing package.

Ashton-Tate Corporation markets best-selling business application software for Macintosh, DOS and OS/2 environments. Products are available in six major categories: database management systems, word processing, graphics, decision support integrated software, spreadsheets and desktop publishing. The Tate Publishing division offers third-party software applications as well as books and periodicals. The company also markets a comprehensive line of service and support programs for individuals, corporations, and government agencies.

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**Editor's Note** -- Ashton-Tate's Macintosh Division is located at:

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