DATATREE™

INFORMATION MANAGEMENT SYSTEM

IBM PC	SAGE
IBM DISPLAYWRITER	RADIO SHACK II, 16
DEC RAINBOW	OSBORNE EXECUTIVE
NEC/APC	

What is DATATREE?

DATATREE is "...a powerful, easy-to-use, file management system. DATATREE helps you organize, search, update, sort, and print out detailed information. With it you may format and maintain a wide variety of data, including client lists, mailing lists, bibliographies, job estimates, patient records, and inventories of business and personal items. DATATREE lets you keep important information organized, up-to-date, and at your fingertips."

Quote from Apple's Special Delivery Software catalog. March, 1982.

INSTANT MAIL MANAGEMENT

DATATREE is ready to use to MANAGE YOUR MAILING lists -- instantly -- with these features built into the DATATREE program.

A complete, ready to use, NAME AND ADDRESS FILE, including phone number and additional information. You may add fields to this file to turn it into a client, vendor, prospect, or receivable file.

- MAIL LABEL FEATURE for selecting and printing mailing labels.
- MAIL MERGE facility to insert name and address information into a standard letter to create individually addressed letters.
- LIST FEATURE to print a phone directory sorted by last name.

EACH DATATREE SYSTEM INCLUDES

ON-LINE TUTORIALS for the first time user. All you need do is watch the screen and press the return key when you are ready to proceed. The AUTOMATIC TUTORIAL will "run itself", pausing after each "keystroke" with one or more lines of commentary on the bottom of the screen explaining what is happening on the screen. The Tutorial is a SELF-PACED method of instruction.

A Comprehensive Technical Manual.

MAIN FEATURES

EASY DESIGN OF SCREEN FORMS with full screen editing. Fields may be added, changed or deleted at any time. The user moves the cursor with arrow keys to place the field name or change the position of the field on the screen. One form (template) may have many pages.

TREE STRUCTURED MENUS make DATATREE easy to use. One may traverse the menus in seconds. No need to memorize all available commands. Main menus include 'Field Maintenance', 'File Maintenance', 'Volume Manager', 'Utilities' and 'Report'. HELP is directly available from all of the menu pages.

The records you want are available quickly and easily. The DATATREE SELECT function allows great flexibility to choose records which meet certain criteria from a file.

You may select on many fields at once, with 'AND' or 'OR' selection. You may select ranges of values and may include or exclude endpoints of the range specified.

SEARCH for any sequence of characters in any field by using the WILDCARD feature when selecting records. You may also use a special SIMILAR ALGORITHM to search for data when you are not sure of the spelling.

A special FIND function uses the B-tree index to QUICKLY RETRIEVE SINGLE RECORDS from a file based on a key such as ID-number, lastname, or invoice number. The user supplies the data searched for and the field to search.

Display your records in BROWSE format (one record per line, as many fields as will fit across the screen or printer) or in the 'template' format (one record per screen).

You may combine the Browse feature with PARTIAL FIELD SELECTION to produce tabular sorted listings. You may quickly print out a list of last names and telephone numbers sorted by last name.

Information in DATATREE is indexed using B-Trees. ANY NUMBER OF FIELDS MAY BE INDEXED.

Files may be MAINTAINED IN SEVERAL SORTED ORDERS SIMULTANEOUSLY. Records are quickly accessed. A SCHOOL may easily produce separate lists of students: one sorted by last-name (student directory),

one sorted by student-ID (master record), and one sorted by class (class directory) without resorting the file.

The MULTIPLE LEVEL SORT will sort information to any number of levels, either ascending or descending at each level. For example, reports may be sorted by store, by department, by sales person, and by item number.

A VOLUME MANAGER is included to easily maintain sets of database files on separate volumes (disk memory areas). You have the ability to list database volumes, list database files on any volume, and ability to initialize new volumes as database volumes. DATATREE works with hard disks and supports subsidiary volumes.

DATATREE can USE DATA FROM OTHER PROGRAMS. You may ABSORB p-System text files into DATATREE.

You may also SPLIT AND APPEND database files with DATATREE.

DATA FEATURES

INTRAFIELD EDITING: No need to retype data when you just want to make a change. You may delete or add characters within a data field while adding or changing records.

PROMPTED DATA ENTRY with ERROR CORRECTION. Order in which fields are presented for data entry may be set by user.

Individual file PASSWORD PROTECTION.

BELL WARNING for user errors.

Ability to print multiple copies of the record template for use as data entry forms.

DATATREE stores upper and lower case data.

RANGE CHECKING is used to help the user avoid making errors.

GROUP RECORD DELETION using selection criteria.

You have the ability to RESTORE DELETED RECORDS until file is packed ("krunched").

REPORTING FEATURES

A VERSATILE REPORT PROGRAM Is Part Of The DATATREE System At No Extra Cost.

PRINTS MAILING LABELS 1, 2, or 3 across. Test labels printed for printer alignment.

Reports may include subtotals and grand TOTALS. COUNTS and AVERAGES, as well as "sub- counts" and "sub-averages", are also available.

Both numeric and dollar CROSS TOTALS ARE AVAILABLE as well as grand cross totals. User may specify names for cross total column headings.

REPORTS MAY BE GROUPED by any field.

You may format FOR PRE-PRINTED FORMS such as checks, invoices, or inventory labels.

A PRINT TEXT FILES function is available that enables you to print multiple copies of text files.

SCREEN FEATURES

INDEXED FIELDS ARE MARKED with a '*' in the template.

Optional one character MNEMONIC KEY may be used to easily reference a field.

ALPHANUMERIC, NUMERIC, DOLLAR and DATE field types. For fields of type "date", the mo/da/yr format will be enforced for entered data.

AUTODATE Feature: Records may be automatically updated with the current date.

PROGRAM FEATURES

The program is one file (DATATREE.CODE), which will run on any volume.

One letter keypress from main menus without typing 'RETURN" standard throughout DATATREE.

You may execute DATATREE in RAM disk for nearly instantaneous response to user input.

Works with hard disks.

DATATREE disks are not copy protected.

UTILITIES

You may back up database files to another location with another name from within DATATREE.

A subset of the p-System FILER FUNCTIONS are also available from within DATATREE.

Ability to change file parameters such as sizes and other user specified maximums: records per file, characters per record, number of fields, etc., even after data is already in the file.

OUTPUT FEATURES

You may DIRECT OUTPUT to the console, printer, or to a disk file from any menu within DATATREE.

You may also SEND SPECIAL "SET UP" CHARACTERS (including escape and other control characters) to the printer, ENABLING PRINTER FEATURES from within DATATREE.

TUTORIAL AND SCRIPT CREATION

Ability to CREATE AND DELETE TUTORIAL FILES. You may create an individualized series of Tutorials targeted to specific audiences using specific data.

AUTOMATIC SCRIPT FILES available — the ability to save a sequence of input keystrokes in a file and then run DATATREE automatically to recreate the same process.

Tutorial and script files are plain text files containing NO "FUNNY" CHARACTERS, and are completely editable.

SPECIFICATIONS

    1020 characters per record.
    32,000 records per file.
    40 character field names. One character field
        mnemonics.
    255 characters per field.
    No limit on fields per page.
    No limit on pages per form.
    Files may have up to 10 character names and
        volumes may have 7.

HISTORY OF DATATREE

DATATREE was begun in Jerome, Arizona, between 1978 and 1981. The initial program was in AlphaBasic on an Alpha Micro multiuser computer system. It was converted into Alpha-UCSD Pascal I.5 and then to the Apple-UCSD Pascal II.1. Later, it was updated to Apple Pascal I.1.

In March of 1982, Apple computer released DATATREE in the Special Delivery Software catalog. Over 1,000 copies of DATATREE were sold.

Beginning in June, 1982, the DATATREE program was converted to UCSD Pascal IV.1 on the Sage II, 68000 microcomputer.

Since Apple's release of DATATREE, ACSG has been adding major enhancements and new features. On July 1, 1983, ACSG released Version II.0 of DATATREE.

BETA TEST SITES. Several users have requested to be considered as Beta test sites for DATATREE. If you would like to be considered as a possible test site for advanced versions of DATATREE please call us.

QUOTES ABOUT THE DATATREE I.5 SYSTEM

"...Upon evaluating the DATATREE program we immediately saw the great sales potential of this package. The program itself is very well designed and the documentation is among the best we have seen at Apple from outside vendors. So much so that several people inside Apple are currently using the program for their own work."

> Ron Williams, Manager
> Software Evaluation
> Apple Computer, Inc.

"In my opinion DATATREE is useful, apparently reliable and has exceptionally good human factors. In particular, a substantial effort was clearly devoted to the preparation of tutorial materials. I was particularly impressed with the tutorial manual which I believe could be used effectively without any prior computer experience."

> C.A. Irvine
> V. P. Engineering
> Softech Microsystems

"It is certainly a significant product which should find a place in the growing market for small computer software in general and UCSD P-System compatible software in particular. ...I certainly could use this software in my own growing business."

> Carl Helmers
> Founding Editor
> BYTE Magazine....

OTHER PRODUCTS

FILETREE	PRETTYPRINTER
DATATREE I.5	PASCAL UTILILTY DISK
fig-FORTH	CONFLICT MATRIX

FILETREE: Forms and File Management System. This is a Pascal program which is a simple forms and file management system. The user may customize screens, add/change/delete data, fields, and files, and select records. A compiled listing of SOURCE CODE is provided. This product is NOT intended to be a program interface to DATATREE, nor a complete file manager, but rather a learning tool and set of program procedures by which one might gain insight into Pascal programming. 2,528 lines of Pascal SOURCE CODE written in UCSD Pascal. Includes disk.

PRETTYPRINTER: A Pascal program formatter. Use this program to turn your Pascal programs into properly indented and consistently formatted listings. 1,343 lines of Pascal SOURCE CODE written in UCSD Pascal. Includes disk.

DATATREE I.5 as it appeared in the Apple Special Delivery Software Catalog March, 1982. For the APPLE II+, IIe, FRANKLIN, and BASIS. Easy to use and easy to teach. DATATREE I.5 does not contain all the features of DATATREE II.0 which are listed here.

Will run on Corvus hard disk. Operating system: Apple · Pascal I.1.

PASCAL UTILITY DISK: A set of programmer utility programs to aid in software development. Source code is included.

fig-FORTH for the Sage: fig-FORTH source adapted to the UCSD P-System 68000 assembler will be available soon. This is a standard macro-assembly, producing object code identical to that distributed by the Forth Interest Group. Available on P-System 5 1/4" disks for Sage II, IBM/PC, and universal media. It remains Public Domain.

CONFLICT MATRIX for Student Scheduling: A program to generate a square conflict matrix from course master and student course election data, to assist in scheduling classes. Operating system CP/M, 8" Single Density Disk. Will be available under UCSD Pascal in several disk formats. Please call for more information.

CUSTOM SOFTWARE

We will customize DATATREE to produce an Application System to your specifications. This service is for you if you already HAVE A SPECIFIC MARKET AND YOU NEED SOFTWARE. We are able to CUSTOMIZE individual applications such as pharmacy, hotel/motel, or ADD SPECIAL FEATURES to DATATREE very quickly AT SMALL EXPENSE to you.

We also do PROGRAM CONVERSIONS in many different languages and dialects. If you have a SOFTWARE PACKAGE you would like CONVERTED TO ANOTHER LANGUAGE or operating system, please call us. WE OFFER MACHINE INDEPENDENCE for your software system. One version will run on UCSD P-System, CP/M, and MSDOS.

CONSULTING

We offer CONSULTING in a variety of areas based on our experience over the last five years in software and software marketing. We are open to a variety of types of contract work. Call us.

INFORMATION

DATATREE is a user oriented program, easy to learn, understand, and use. The documentation is excellent and there are TUTORIAL WALKTHROUGHS for self- instruction. DATATREE was designed for the user with little or no computer experience.

DATATREE addresses the PFS-like market with an affordable, easy to use, and more sophisticated product than PFS.

DATATREE IS AVAILABLE on a wide variety of machines INCLUDING the IBM/PC, IBM DISPLAYWRITER, RADIO SHACK MODEL II, and 16, DEC RAINBOW, OSBORNE EXECUTIVE, and the NEC-APC. We are adding more computers every day. Call for prices and information.

DATATREE currently runs under the UCSD p-SYSTEM.

ORDER FORM

PRODUCT DESCRIPTION	PRICE	QUANTITY	AMOUNT
DATATREE II.0 INFORMATION SYSTEM .... $249.00 Tutorial Walkthrough, Technical Manual.		_____	_____
FILETREE Source Code File System $49.00		_____	_____
PRETTYPRINTER $49.00		_____	_____
Both FILETREE and PRETTYPRINTER $89.00		_____	_____
DATATREE I.5 (for APPLE II, IIe) $75.00		_____	_____
fig-FORTH FOR THE SAGE $49.00		_____	_____
SHIPPING AND HANDLING:		$5.00	$5.00
TOTAL:		_____	_____

DISK FORMAT: SAGE 40 Track 5 1/4" ____   APPLE PASCAL I.1 ____
SAGE 80 Track 5 1/4" ____   IBM/PC 5 1/4" ____
UNIVERSAL MEDIA 5 1/4"   ____
P-SYSTEM 8" SSSD ____

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P. O. BOX 40878   WEEKDAYS: 11:00 A.M. - 4:30 P.M.
TUCSON, AZ. 85717 (MOUNTAIN TIME)

☐ PLEASE ENTER MY NAME ON YOUR MAILING LIST.

YOUR NAME: _____
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